Draft Environmental Impact Statement

Lakeshore Nature Preserve
Outreach Center

University of Wisconsin-Madison
Madison, Wisconsin
Project #A-22-007 9950-2218

Prepared for:

The University of Wisconsin

July 19, 2024

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Ayres Project No. 52-0729.00
File:\\ayres_Active\23\UW Systems\UW Systems AE On-Call 2020\23-1825.81 UW Madison Preserve Outreach Center EIS\Deliverables\2 DEIS\Report\UW Lakeshore Nature Preserve Outreach Center DEIS Report.docx

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Acronyms and Abbreviations

ACM	asbestos-containing materials
AHI	Architecture and History Inventory
ARI	Archaeological Report Inventory
ASI	Archaeological Sites Inventory
ASF	assignable square feet
AST	aboveground storage tank
BITP/A	Broad Incidental Take Permit/Authorization for No/Low Impact Activities

BRRTS	Bureau of Remediation and Redevelopment Tracking System
cfs	cubic feet per second
DATCP	Department of Agriculture, Trade and Consumer Protection
DEIS	Draft Environmental Impact Statement
DFD	Division of Facilities Development
DOA	Wisconsin Department of Administration
EIS	Environmental Impact Statement
EPA	United States Environmental Protection Agency
ERR	Endangered Resources Review
F	Fahrenheit
ft	foot/feet
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FPM	UW-Madison Facilities Planning and Management
gpm	gallons per minute
GSF	gross square foot/feet
HVAC	heating, ventilation, and air conditioning
kW	kilowatt
lb	pound
LED	light emitting diode
L&S	College of Letters & Science
MSL	mean sea level
NAAQS	National Ambient Air Quality Standards
NHI	National Heritage Inventory
NRCS	Natural Resources Conservation Service
OSHA	Occupational Health and Safety Administration
ROD	Record of Decision
SHPO	State Historic Preservation Officer
SHWIMS	Solid and Hazardous Waste Information System
STEM	Science, Technology, Engineering, and Mathematics
USACE	United States Army Corps of Engineers
UST	underground storage tank
UW	University of Wisconsin
UW-Madison	University of Wisconsin-Madison
UWSA	University of Wisconsin System Administration
WDNR	Wisconsin Department of Natural Resources
WEPA	Wisconsin Environmental Policy Act
WHPD	Wisconsin Historical Preservation Database
WHS	Wisconsin Historical Society

I. Executive Summary

A. Summary of Project Description and Potential Impacts

General

The University of Wisconsin retained Ayres on behalf of The University of Wisconsin-Madison (UW-Madison) to prepare an Environmental Impact Statement (EIS) for the proposed Lakeshore Nature Preserve Outreach Center. The EIS will be prepared following the Wisconsin Environmental Policy Act (WEPA), Wisconsin Statutes 1.11, and UWSA guidelines (Board of Regents' Resolution 2508, November 6, 1981).

Project Description

The University of Wisconsin–Madison plans to construct an Outreach Center within the Lakeshore Nature Preserve, a 300-acre natural area along Lake Mendota's south shore. The need for this center was initially identified in the 2006 Lakeshore Nature Preserve Master Plan, which proposed a gathering place for students, faculty, staff, and visitors near Picnic Point. The 2015 Campus Master Plan further supported this concept, designating a site outside the historic stone entry wall. The chosen location offers favorable solar exposure and microclimatic conditions for a sustainable building.

The new facility will serve as a central hub for Preserve staff, facilitating collaboration with over 600 individual volunteers and 45 volunteer groups involved in land management. By streamlining coordination and providing a large meeting space, the Outreach Center aims to enhance efficiency and support the Preserve's teaching, research, and public outreach efforts.

The proposed project area includes the Outreach Center, geothermal facilities, parking, roads, a multimodal path, and relocation of a biofiltration basin. The Lakeshore Nature Preserve currently holds a "Conservancy" zoning designation in the City of Madison, and establishing the Outreach Center/Nature Center will require a conditional use review through the Madison Plan Commission.

The proposed Outreach Center, spanning approximately 9,000 gross square feet (GSF), will be located within the Lakeshore Nature Preserve on the UW-Madison campus. Its primary objective is to create a dedicated space for experiential, hands-on learning while expanding the research, teaching, and outreach capabilities of the Preserve. This center will be housed in a sustainable facility that incorporates resilient green building design elements.

Key features of the proposed Outreach Center include:

1. Preserve Staff Work Areas and Land Care Management Space: These functional areas will support the day-to-day operations of the Preserve.
2. Public-Facing Facilities: Designed to align with the University's mission, these facilities will include a 50-person multipurpose room and space for interpretive displays.
3. Restrooms: Conveniently accessible from both inside and outside the building.
4. Carbon-Neutral Building: The center will reflect the core values of the Lakeshore Nature Preserve and the University, emphasizing sustainability.
5. Geothermal Heating/Cooling: An environmentally friendly solution for maintaining comfortable indoor temperatures.
6. Stormwater Management: The design incorporates green roofs and stormwater reuse best practices to minimize runoff impact.
7. Consideration for Ancestral Land: Acknowledging the significance of the Ho-Chunk Nation's ancestral home.

The project also involves relocating a portion of University Bay Drive and shifting the parking lot between this new alignment and the proposed facility. The new road pavement will maintain a similar distance from

the Class of 1918 Marsh as the existing parking lot. Additionally, existing bioswales will be reconfigured to accommodate the building. Throughout this process, mapped wetlands and floodplains will be carefully considered.

Potential Impacts

Several unavoidable adverse environmental impacts will occur as the result of the proposed project. Short-term impacts include noise, dust, and pedestrian and vehicular traffic impacts from materials delivery and project implementation. Dust suppression can be used to minimize the dust that becomes airborne, and construction hours will be set to minimize the impact of noise pollution, but these adverse effects will likely not be eliminated.

During project construction, there will be interference with pedestrian and vehicular/bicycle traffic, including bus routes. The site clearing for the Preserve Outreach Center includes the relocation of a section of University Bay Drive, the existing bioswale, and relocation of Lot 130. Additional street work may be required for the water main connection. Construction methods and routing to reduce road impact will be reviewed during the final design phase.

In the long-term, approximately 0.92 acres of wooded land within the preserve will be cleared to accommodate the building, and it is estimated that up to 10,000 square feet of existing wetland may be impacted by construction of the facility and parking lot, including reconfiguration of University Bay Drive and the Howard Temin Lakeshore Path. A new wetland delineation will be performed to evaluate the current extent of wetlands in the project area and better quantify impacts for permitting purposes. Provided that wetland disturbance remains less than 10,000 square feet, mitigation would not be required by a General Wetland Permit. However, proposed bioswale improvements may also create new wetland area.

The proposed development, including reconstructed parking lot, will also impact approximately 1.5 acres of floodplain, although the building will be located outside of the 100-year floodplain boundary to dramatically reduce the chances of the building being flooded. The proposed project will need to follow general development standards in Ch. 28.121(7) and 28.123(3), Code of Ordinances, to be permitted by City of Madison. The application must include data sufficient to determine if the proposed development will cause either an obstruction to flow or an increase in regional flood height or discharge. At this time, detailed hydraulic analysis has not been performed, as a grading plan and other detailed civil engineering plans are in development. However, given that the impacted area of floodplain is to be redeveloped with a parking lot similar to the existing one, a significant impact to the floodplain is not anticipated.

Refer to Section IV for additional information, including beneficial impacts and mitigation measures to avoid additional adverse impacts.

B. Alternatives Considered

A No Action alternative was considered for this EIS. This alternative eliminates the need for a new Outreach Center, which was first identified in the 2006 Lakeshore Nature Preserve Master Plan, which introduced the concept of a “Preserve Station” and a gathering place for students, faculty, staff, and visitors at the base of Picnic Point. It was again supported in the 2015 Campus Master Plan with an identified site outside the historic stone entry walls to Picnic Point and near the existing parking facilities. A no-build alternative does not meet UW-Madison's programmatic needs. The preserve would continue to operate inefficiently from six dispersed locations over the campus and lack a centralized location to attract, welcome, and educate visitors to a major natural highlight of UW-Madison. Moreover, the current sharp curve alignment of University Bay Drive would remain unchanged, presenting a hazard for travelers and preserve visitors.

The design team studied multiple configurations to organize the required site components. Several alternatives for the new Outreach Center building placement were considered in the Advanced Plan, and the current proposal was selected to minimize impacts involving archaeological sites, floodplain

encroachment, wetlands, existing utilities, limiting site disturbance, safe access for visitors, accommodating future increases in visitation, and opportunities to restore authentic native landscapes. The unsatisfactory alternatives were not carried forward for further consideration during the EIS process because of the negative impacts that were apparent during early planning.

Although floodplain and wetland impacts could potentially be avoided by selecting an alternative site within or adjacent to the preserve, such as an existing parking lot, alternative site locations would not be located near the center of the preserve or in proximity to Picnic Point, one of the most visited components of the preserve. Similarly, alternative locations would lack the connectivity to key trails and paths, including the Howard Temin Lakeshore Path, and would not present an opportunity to improve the alignment of University Bay Drive.

C. Scoping Process Summary

A Scoping Letter to solicit input on the project's potential environmental impacts was sent electronically to selected parties and agencies with known or potential interest in the project on April 24, 2024, and a copy of the letter and attachments was hosted online at www.ayresprojectinfo.com. A copy of the Scoping Letter and distribution list of recipients is included in Appendix B. Concurrently, a Public Notice was published in the *Wisconsin State Journal* on April 24, 2024, for a 15-day comment period. *The Badger Herald* declined to respond to Ayres' request to publish a notice. A copy of the public notice is included in Appendix B. A public Scoping Meeting was held remotely via Microsoft Teams on May 8, 2024. A copy of the presentation and attendance list are included in Appendix C.

One written comment was received from a representative of the Friends of the Lakeshore Nature Preserve. The comment expressed support for the project, including potentially increased safety from reconfiguring the sharp curve of the roadway. The comment also expressed concern for the protection of the Class of 1918 Marsh during construction. Autoreply messages were also received from Governor Tony Evers and Daina Penkiunas of Wisconsin Historical Society but did not contain any comments regarding the proposed project.

D. Public Hearing Process Summary & Comments Received

Draft EIS

This Draft EIS will be made available for a 45-day public comment period and announced in the *Wisconsin State Journal* newspaper to present the draft findings of the Draft EIS and request public input before finalizing the EIS. Copies of this Draft EIS will be made available at UW-Madison's College Library and Madison Public (Central Branch) Library and online at www.ayresprojectinfo.com.

A Draft EIS public meeting will be held remotely via Microsoft Teams during the 45-day comment period. Appendix D is reserved for documentation of the Draft EIS meeting and comment period.

Final EIS

A Final EIS will be prepared following the completion of the Draft EIS comment period and will be made available online and at local libraries for a 30-day comment period.

A public hearing to present the Final EIS and receive comments will be held at the conclusion of the 30-day comment period.

Record of Decision

Following the Final EIS comment period, the Universities of Wisconsin will consider the comments received and issue a Record of Decision (ROD) for the project. The ROD will be circulated to key individuals and agencies involved in the EIS process.

E. List of Agencies Contacted

A complete list of those involved in the public comment periods of the EIS process can be found on the distribution list in Appendix B. Each recipient on the list was provided with access to copies of the DEIS or FEIS reports. Additionally, formal consultation was conducted with the following agencies during the EIS process:

- University of Wisconsin and Wisconsin Historical Society – Historical Review
- Wisconsin Department of Natural Resources – Endangered Resources Review

II. Description of Proposed Action

A. General Project Description

The University of Wisconsin–Madison plans to construct an Outreach Center within the Lakeshore Nature Preserve, a 300-acre natural area along Lake Mendota's south shore. The need for this center was initially identified in the 2006 Lakeshore Nature Preserve Master Plan, which proposed a gathering place for students, faculty, staff, and visitors near Picnic Point. The 2015 Campus Master Plan further supported this concept, designating a site outside Picnic Point's historic stone entry walls. The chosen general location offers favorable solar exposure and microclimatic conditions for a sustainable building.

The new facility will serve as a central hub for Preserve staff, facilitating collaboration with over 600 individual volunteers and 45 volunteer groups involved in land management. By streamlining coordination and providing a large meeting space, the Outreach Center aims to enhance efficiency and support the Preserve's teaching, research, and public outreach efforts.

The proposed project area includes the Outreach Center, geothermal facilities, parking, roads, a multimodal path, and relocation of a biofiltration basin. The Lakeshore Nature Preserve currently holds a "Conservancy" zoning designation in the City of Madison and establishing the Outreach Center/Nature Center will require a conditional use review through the Madison Plan Commission. Proposed new construction includes the addition of a new building, relocating Howard Temin Lakeshore Path, relocating University Bay Drive, relocating the bioswales, and relocation of Lot 130.

B. Detailed Project Information

Project Location

Coordinates: 43°08'50.3 N; 89°42'93.962" W (approximate center of project site)

Tax Parcel Info:

2534 Lake Mendota Drive, Madison WI 53705

Parcel ID: 070916100997

County: Dane

Owner: UNIV OF WIS REGENTS VAN HISE HALL # 1860

Acreage: 100.98

The project site is approximately 6 1/2 acres located within a larger parcel and is located within the 300-acre Lakeshore Nature Preserve on the south shore of Lake Mendota. The site is currently occupied by the Howard Temin Lakeshore Path, Parking Lot 130, University Bay Drive, and bioswales. The general site location and project area layout are shown on Figures 1 and 2, respectively (Appendix F).

Scope

The proposed Outreach Center, spanning approximately 9,000 gross square feet (GSF), will be located within the Lakeshore Nature Preserve on the UW-Madison campus. Its primary objective is to create a dedicated space for experiential, hands-on learning while expanding the research, teaching, and outreach capabilities of the Preserve. This center will be housed in a facility that incorporates resilient and sustainable green building design elements.

Key features of the proposed Outreach Center include:

- Preserve Staff Work Areas and Land Care Management Space: These functional areas will support the day-to-day operations of the Preserve.
- Public-Facing Facilities: Designed to align with the University's mission, these facilities will include a 50-person multipurpose room and space for interpretive displays.
- Restrooms: Conveniently accessible from both inside and outside the building.
- Carbon-Neutral Building: The center will reflect the core values of the Lakeshore Nature Preserve and the University, emphasizing sustainability.
- Geothermal Heating/Cooling: An environmentally friendly solution for maintaining comfortable indoor temperatures.
- Stormwater Management: The design incorporates green roofs and stormwater reuse best practices to minimize runoff impact.
- Consideration for Ancestral Land: Acknowledging the significance of the Ho-Chunk Nation's ancestral home.

The project also involves relocating a portion of University Bay Drive and shifting the parking lot approximately130 feet to the north. The new road pavement will maintain a similar distance from the Class of 1918 Marsh as the existing parking lot. Additionally, existing bioswales will be reconfigured to accommodate the building. Throughout this process, mapped wetlands and floodplains will be carefully considered.

Preliminary/conceptual project drawings are included in Appendix A.

Budget

The Outreach Center's funding relies entirely on gifts and grants, with a proposed budget of $16,500,000.

Schedule

Below is a summary of the targeted project schedule:

BOR/SBC Authority to Construct:	August 2024
Bid Date:	April 2025
Begin Construction:	June 2025
Substantial Completion:	August 2026
Occupancy:	Fall 2026

C. History, Background, Purpose, and Need

History and Background

The University of Wisconsin-Madison Lakeshore Nature Preserve is a 300-acre natural area which is situated on the south shore of Lake Mendota. It currently represents approximately one-third of the total acreage of the main campus and includes roughly four miles of Lake Mendota shoreline. The famed Howard Temin Lakeshore Path extends along the shoreline from the Limnology Building on the east, near the Memorial Union, to Wally Bauman Woods near the Village of Shorewood Hills, via Picnic Point, a peninsula that extends nearly a mile into the lake. The vision of the Lakeshore Nature Preserve is "to foster biodiversity on campus and cultivate lifelong environmental education." The mission of the

Preserve is that it “shelters natural environments and cultural resources through active learning, research and outreach in a place of respite and well-being.”

Purpose and Need

The purpose of the facility is to provide a central location for Preserve staff to work with over 600 individual volunteers and 45 different volunteer groups that in support the land management required to maintain this important teaching and research resource. The need to coordinate, manage and facilitate volunteer activities in a single location with a large meeting place will help reduce management logistics and save time for staff working with volunteers, making the overall process more efficient and timelier. The new facility will also allow for one sustainable multipurpose facility to replace at least six facilities that are dispersed around campus.

The need for a Preserve Outreach Center was first identified in the 2006 Lakeshore Nature Preserve Master Plan (a gift funded project in 2005) which introduced the concept of a “Preserve Station” and gathering place for students, faculty, staff and visitors at the base of Picnic Point. It was again supported in the 2015 Campus Master Plan with an identified site outside the stone entry walls to Picnic Point and near existing parking lot 130.

The 2020 Lakeshore Nature Preserve Strategic Plan also identifies the need to “define and systematically communicate the Preserve’s identity, mission/vision and purpose” in supporting and highlighting its value for teaching, research and public outreach to the university and Madison community.

III. Description of the Existing Environment

A. Physical Environment

Photographs of the existing project site are included in Appendix E.

Climate and Air Quality

Dane County's climate is typically continental – warm, humid summers and cold, snowy winters. About two-thirds of the annual precipitation falls during the growing season. It usually is adequate for vegetation, although drought is occasionally reported. The climate is most favorable for dairy farming and agriculture. The primary crops are corn, small grains, hay, and vegetables. The rapid succession of storms moving from west to east and southwest to northeast accounts for much of the climatic activity (WDNR 2015).

The most frequent air masses are of polar origin. Occasional outbreaks of arctic air affect the area during the winter months. Although northward-moving tropical air masses contribute considerable cloudiness and precipitation, the true Gulf air mass does not reach this area in winter and only occasionally in other seasons. Summers are pleasant, with only occasional periods of extreme heat or high humidity.

The average annual temperature in the County is 46°F. Temperature extremes range from an all-time high of 107° F, observed on July 14, 1936, to a record low of -37°F, which occurred on January 30, 1951. Winter temperatures (December to February) average near 20°F, and summer temperatures (June to August) average in the upper 60s. Daily temperatures average below 32°F about 120 days of the year and above 40°F about 210 days of the year. The average seasonal snowfall is 50 inches.

The average seasonal precipitation is 33 inches. There are no dry and wet seasons, but about 60% of the annual precipitation falls in the five months of May through September. Cold-season precipitation is lighter but lasts longer. Soil moisture is usually adequate in the first part of the growing season. During July, August, and September, the crops depend on current rainfall, which is mostly from thunderstorms and tends to be erratic and variable. The average occurrence of thunderstorms is just under seven days per month during this period. The ground is covered with 1-inch or more snow about 60% of the time, from December through February in an average winter. The soil is usually frozen from the first of December through most of March, with an average frost penetration of 25 to 30 inches. The growing season averages 175 days (WDNR 2015).

Although Dane County was designed as a nonattainment county for sulfur dioxide in 1992, it was redesignated as a maintenance county in 1993 and has not had further exceedances of National Ambient Air Quality Standards (NAAQS). Therefore, air quality in Dane County is generally considered good with respect to NAAQS (USEPA 2024).

Geology and Subsurface Conditions

The Lakeshore Nature Preserve website describes the geology of the area as sandstones, shales, and limestones formed on ancient seabed during the Cambrian and early Ordovician periods approximately 480-500 million years ago. One small outcrop of Cambrian sandstone is visible in a small streambed at the far western end of the preserve. Subsequent tectonic uplift and glaciation during the Pleistocene formed the landscape seen today, including a terminal moraine between Madison and Verona, and the four lakes and associated wetlands of the Madison area upon retreat of the ice sheet approximately 12,000 years ago. A plan view of the project site geology is shown on Figure 3, Appendix F.

Topography and Soils

The natural topography of the project site is relatively flat, with a predominant elevation of 870 feet above mean sea level (ft msl), and dips to the south and west with an approximate elevation difference of 12 feet.

Soils in the project area are mapped by the United States Department of Agriculture Natural Resource Conservation Service (NRCS). They primarily include Dodge silt loam with some Batavia silt loam on the western portion. Both soils are well-drained and associated with glacial landforms, such as drumlins and outwash plains. Both soil types are classified as prime farmland, although the general area is urban-developed land within city limits. A copy of the custom soil map for the project site is provided on Figure 4 in Appendix F.

Water Resources

Groundwater

Based on the area's topography and surface water elevations, the water table is anticipated to be located 10 to 20 feet below the ground surface and generally flow north toward Lake Mendota. Regional groundwater in the project area is located in the sandstone aquifer, which makes up the most important aquifer in the Rock-Fox River basin, and shallow groundwater occurs within the glacial materials that overlie the bedrock. A groundwater map of the project area is presented on Figure 5 in Appendix F.

Madison's water system consists of 22 wells, 30 reservoirs, and 840 miles of interconnected pipes. The City of Madison's water supply is obtained from various aquifers, depending on the location within the City. The University of Wisconsin-Madison receives its drinking water from municipal wells 6*, 14, 19, and 27* (* indicating that this well typically operates during higher demand summer months). Wells 14 and 19 were drilled in 1960 and 1970, respectively. Well 19 is the primary water supplier for the UW-Madison campus and has a pumping capacity of 2,175 gallons per minute (gpm). The well is constructed to a depth of 718 feet, where the predominant lithology is sandstone with minor amounts of shale and carbonate beds.

Three distinct aquifers are encountered from unit well 19. One of these aquifers is the lower bedrock aquifer which comprises the Mount Simon Formation and the lower part of the Eau Claire Formation. Precambrian-age bedrock forms the base of this aquifer, while the shale layer in the Eau Claire Formation acts as the upper confining unit. Another aquifer this well draws from is the upper bedrock aquifer which consists of the upper part of the Eau Claire Formation above the shale confining unit within the Wonewoc Formation and Tunnel City Group. Finally, there is a sand and gravel aquifer, which is an upper unconsolidated aquifer that occurs in relatively shallow sand and gravel deposits. This final unlithified unit is very thin and does not contribute much to groundwater volumes compared to the two other units.

Surface Water

Surface water tributaries or water bodies do not exist within the project area. Most surface water runoff from the site eventually discharges to local water bodies through the municipal storm sewer. The project site is located within the Lake Monona-Yahara River watershed, which measures 59,985 acres and is part of the Lower Rock River Basin discharging to the Mississippi River. Lake Mendota is located approximately 1,500 feet north and 900 feet east of the project site and covers 9,842 acres. Lake Monona is approximately 2,000 feet southeast of the project site and covers 3,274 acres, with Lake Wingra located approximately 4,000 feet to the southwest. Recreational use of these lakes is very high, with boaters, wind surfers, fishermen, and swimmers using the lake area. The lakes contain sport fish species, including bluegill, lake sturgeon, largemouth and smallmouth bass, muskellunge, northern pike, and walleye. A copy of a WDNR Surface Water Data Viewer Map is provided on Figure 6 in Appendix F.

Floodplain

The lowest elevation on the site is approximately 864 feet above msl and approximately the southeastern third of the project site lies within the Federal Emergency Management Agency's (FEMA) delineated 100-year floodplain in Zone AE – Base Floodplain. The 100-year floodplain in Zone AE is also fringed by Zone X floodplain extending to the north of the bend in University Bay Drive. Zone X includes area of 0.2% annual chance flood (i.e., 500-year floodplain) and areas of 1% annual chance flood with average depths of less than one foot or with drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood. The Zone AE 100-year floodplain around the proposed project site is shown on Figure 7 (Appendix F). Additional floodplain information is provided in the ERIS NEPA Report in Appendix G.

Wetlands

According to the U.S. Army Corps of Engineers (USACE), wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." A wetland has to dominate hydrophytic vegetation, hydric soils, and wetland hydrology. All three criteria must be met for an area to be delineated as a wetland. A small finger of Freshwater Emergent Wetland is shown as mapped wetland, which is present and adjacent to the project site, according to the WDNR Surface Water Data Viewer. Additional wetland areas were mapped during a field delineation conducted by Stantec on behalf of UW-Madison prior to parking lot 129 and 130 construction in 2017. The previous delineation identified a second area of wetland (i.e., Wetland 2) located between Parking Lot 130 and University Bay Drive; this area measures 0.072 acres and is characterized as wet meadow within a roadside ditch but is not depicted on the WDNR Surface Water Data Viewer or National Wetland Inventory. The additional wetland areas (i.e., Wetland 1 and Wetland 3) previously delineated in 2017 are substantially congruent with existing wetland boundaries depicted on the WDNR Surface Water Data Viewer or National Wetland Inventory. A current project site wetlands delineation will be conducted prior to detailed design to verify current wetland boundaries, as previous boundaries were affected by subsequent parking lot construction. Wetland areas on the National Wetland Inventory are shown on Figure 8, Appendix F. A figure depicting the boundaries of wetlands delineated in 2017 is provided in Appendix F.

Environmental Contamination

Standard environmental databases were reviewed for potential environmental concerns within the project site. The findings of the review are discussed in the following paragraphs. Mapped facilities in proximity to the project are presented on Figure 9 in Appendix F.

BRRTS

The Wisconsin Department of Natural Resources Bureau of Remediation and Redevelopment Tracking System (BRRTS) database for the subject property and surrounding area was searched on March 12, 2024. No open or closed remediation sites exist on the project site or any adjoining properties. Remediation sites identified in the vicinity are unlikely to impact the project site based on their "closed" regulatory status and lack of documented impacts on the site or other nearby properties. Documents associated with these listings are located in Appendix G.

SHWIMS

The Solid and Hazardous Waste Information System (SHWIMS) provides access to information on sites and facilities operating at sites regulated by the Wisconsin DNR Waste Management program. Activities at facilities include landfill operation, waste transportation, hazardous waste generation, wood burning, waste processing, sharps collection, and many more. SHWIMS was searched for generators of hazardous/toxic waste on May 12, 2024. No registered hazardous waste generating, treatment or

disposal facilities are located on the project site or adjoining properties. Documents associated with these listings are located in Appendix G.

EPA Envirofacts Multisystem

Envirofacts is a single point of access to select U.S. Environmental Protection Agency (EPA) environmental data. This website provides access to several EPA databases to provide users with information about environmental activities that may affect air, water, and land anywhere in the United States. This multisystem database was searched for sites listed as Superfund sites and generators or handlers of hazardous/toxic waste on March 19, 2024. No listed sites are located at the project site or adjoining properties. Documents associated with these listings are located in Appendix G.

DATCP Registered Tanks

The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) storage tank database searched for sites with registered aboveground storage tanks (ASTs) and/or underground storage tanks (USTs) on March 12, 2024. There were no registered storage tanks found to be associated with the project site or adjoining properties. Supporting storage tank search documentation is located in Appendix G.

Noise

Ambient noise conditions at the project site are consistent with noise levels typically experienced within a park setting or university campus recreational area. The site is relatively undeveloped with a park/picnic area and an associated parking area, which provides a relatively quiet environment compared to the general university campus noise levels.

B. Biological Environment

Vegetation

Vegetation at the project site includes mature hardwood trees which are primarily located on the north side, comprising approximately 0.9-acres. Trees include ash, maple, walnut, basswood, oak, arbor vitae, aspen, and sumac. Shrubs and herbaceous landscaping plants surround the parking lot on the west side of the site.

Fish and Wildlife

No fisheries resources are on the proposed project site or adjacent to it. Lake Mendota is located approximately 1,500 feet north and 900 feet east of the project site. Fish species in this water body include bluegill, lake sturgeon, largemouth bass, muskellunge, northern pike, smallmouth bass, tiger muskellunge, and walleye. Several stakeholders, including the Clean Lakes Alliance, WDNR, and UW-Madison, continue to work on projects that focus on gauging water quality and habitat assessment, including improvement and restoration projects.

Threatened and Endangered Resources

An Endangered Resources Preliminary Assessment was conducted via the WDNR's National Heritage Inventory (NHI) Portal on March 8, 2024. The preliminary assessment indicated that an Endangered Resources Review (ERR) was required to ensure compliance with state and federal endangered species laws due to one or more of the following situations:

- The species recorded are state or federal threatened or endangered animals,

- The species recorded are state-threatened or endangered plants on public land, and
- The species recorded are federal threatened or endangered plants on federal land or involve federal funds or a federal permit.

An ERR request (Form 1700-047, R 12/17) was submitted to the WDNR on March 8, 2024, for information on threatened, endangered, and special concern species that may potentially be in the general area of the project or may be impacted by the project. A response containing confidential information about species and required or recommended actions was received on April 5, 2024, stating that the proposed project area includes: Required Actions: 2 species, Recommended Actions: 9 species, No Follow-Up Actions: 2 species, and additional specific recommendations. The non-confidential portion of the WDNR response letter is included in Appendix H.

The ERIS (commercial database company) NEPA Report (ERIS 2024) indicated there were Dane County and State threatened or endangered species which included birds, clams, flowering plants, insects, mammals, reptiles, crustaceans, ferns, and fishes. A copy the ERIS NEPA Report which has a complete list of U.S. Fish and Wildlife Service threatened and endangered species within Dane County is included as Appendix G.

C. Social and Cultural Environment

City Zoning

The project site and the majority of the Lakeshore Nature Preserve is zoned CN for Conservancy and Campus Institutional District (C-I) per Ch. 28 of City of Madison's Code of Ordinances. The conservancy district intends to recognize and protect the natural functions of certain natural and non-intensive recreational areas. Development within the district is limited to protecting natural drainageways and water retention areas, natural habitat, steep slopes, woodlands, and other natural resources. The campus institutional district provides institutions, like major educational centers, to grow and develop aligned with their institutional needs while aligning with the City's plans, policy and zoning standards.

Parks and Recreation

The University of Wisconsin – Madison is located on an isthmus between two lakes, adjacent to an additional lake, and its adjacency to downtown Madison provides various recreational opportunities. Lakes, streams, parks, beaches, forested areas, and hiking and bike trails are readily available, and the natural beauty and surroundings of the City provide an excellent atmosphere for outdoor activities in all seasons. Among the cultural attractions in downtown Madison are theatres, art galleries, numerous cultural events, fitness clubs, parks, and a wide variety of restaurants and shopping opportunities. The University and City have ensured that there is accessibility and remarkable connectivity, so the Campus is well connected via trails, bike paths, sidewalks to amenities on campus and in the City.

The City of Madison has over 240 parks on over 5,400 acres which contain Lake Mendota and Lake Monona. The Parks and Recreation department provides a variety of youth recreational programs, as well as numerous athletics programs for all age groups. The City also maintains an aquatic center, three splash parks, eleven beaches, four public golf courses, and nine dog parks. UW-Madison maintains private recreational fitness facilities for over 60,000 students and University employees. The University also maintains over 2,000 acres of open space, including the UW-Arboretum and the 300-acre Lakeshore Nature Preserve.

The Lakeshore Nature Preserve gives guests access to numerous recreational opportunities including walking, running, bicycling, wildlife watching, skiing, snowshoeing, and paddling. The Preserve is also a gathering space with many locations to sit down or gather around a firepit while enjoying nature. The Howard Temin Lakeshore Path and Lake Mendota Path connect key features of the preserve together. Places within the preserve include Bill's Woods, Picnic Point, Caretaker's Woods, Second Point Woods,

Frautschi Point, Tent Colony Woods, Raymer's Cove, Wally Bauman Woods, Eagle Heights Woods, Big Woods, Eagle Heights Community Gardens, Biocore Prairie, Class of 1918 Marsh, University Bay Marsh, Triangle Marsh, Willow Creek Woods, Observatory Hill, and Muir Woods.

Surrounding Neighborhood

The UW-Madison main campus is adjacent to residential and commercial areas east, west, and south, with Lake Mendota to the north. Campus is adjacent to Downtown, which is also home to the State Capital. It is located in the central portion of the City of Madison. UW-Madison has been part of the Madison community since 1848. The campus initially covered 50 acres and is currently approximately 939 acres along the southern shore of Lake Mendota, including 4.5 miles of Lake Mendota shoreline.

The area surrounding the project site consists entirely of the Lakeshore Nature Preserve. Other land uses adjacent to the preserve include the Goodman Softball Complex, University Bay Fields/Far West Fields, and the Eagle Heights neighborhood.

City Population

According to 2020 U.S. Census Bureau data, the City of Madison has a population of 269,840, which increased from 233,209 in 2010. The proportion of the population under 18 and over 65 years of age is 16.1% and 12.0%, respectively.

UW – Madison Student Population and Profile

According to the UW-Madison 2022-2023 Data Digest, the Campus supported 49,886 students: 35,184 undergraduate students, 9,993 graduate students, 2,046 special students, and 2,663 clinical doctorate students during the Fall 2022 semester. Of those 49,886, there were 7,330 international students and 11,211 students of color. The gender profile of the University undergraduate students was 53% female and 47% male. There were 23,478 students enrolled in the College of Letters & Science, comprising 47% of the enrolled student population. The next highest was Engineering at 6,430 (12.9%) students.

Housing

Housing development, maintenance, and redevelopment play a significant role in shaping a community's physical character, transportation investments, public infrastructure investments, and the need and location of schools and community facilities. Three fundamental forces generally shape the type and distribution of housing units and livability patterns: supply, demand, and community neighborhoods. The housing supply includes the number and type of housing units, tenure, number of vacancies, housing values, rental rates, construction costs, subsidized and special needs demands, and the condition of the existing stock. Housing demand includes lifestyle choices, population growth or decline rate, household formation patterns, and community income and economic factors. Lastly, a sense of community includes location desirability, land use consistency, land use transitions, design and density, access, the mix of use, and regulation and permitting requirements.

According to information available on City-Data.com from 2022, there are 115,293 housing units in the City of Madison, 95% of which are occupied. Approximately 49% of these units are renter-occupied, while the remaining 51% are owner-occupied. According to the College Board's Annual Survey of Colleges, 25% of UW-Madison undergraduate students live in college-owned, operated, or affiliated housing. The rest live off-campus within the downtown area or adjacent neighborhoods.

University Housing at UW-Madison operates 21 residence halls hosting approximately 8,000 undergraduate students and three apartment communities hosting approximately 2,000 graduate students, students with families, postdoctoral researchers, staff, and faculty. Residence halls range in capacity from 70 to 1,300 residents.

There are no housing facilities located at the project site.

D. Archaeological/Historical Environment

A search within the Wisconsin Historical Preservation Database (WHPD) was conducted on February 26, 2024, for the project area as part of the EIS process. The WHPD consists of four data sources, including the Archaeological Report Inventory (ARI), Archaeological Sites Inventory (ASI), National Registry (NR) of Historic Places, and Architecture and History Inventory (AHI). There are two AHI sites listed within the project's area of potential effect (APE):

- Marsh Pump House (AHI# 160526): This is a small metal Trachte building constructed in 1968. It was deemed ineligible for the NR in 2009 due to its lack of unique architectural or historical significance.
- Picnic Point Gates (AHI# 160632): These stone/rubble gates were once the entrance to the E.J. Young estate, which was acquired by the University of Wisconsin (UW) in 1951. They are the only remaining feature of the Young Estate. In 2009, it was determined that the site is not eligible for the NR due to its lack of unique architectural or historical significance.

In addition to the AHI-listed sites, there is another historical site within the APE, known as the Park and Pleasure Drive Alignment. This site was considered potentially eligible for the NR in 2023. However, it remains unclear whether any historical fabric or signs of the alignment exist within the APE.

Furthermore, there are two archaeological sites listed on the ASI within or near the APE. Due to the WHPD user agreement, the details of these sites cannot be disclosed to the public.

E. Economic Environment

Employment

According to the US Census Bureau American Community Survey 5-year estimation, employment in Madison is 24.4% government workers, 58.8% private company workers, 10.6% not-for-profit workers, and 6.2% self-employed. The Bureau of Labor Statistics cites an unemployment rate of 2.3% as of January 2022.

Income

According to the US Census Bureau data (State and County QuickFacts) in 2016-2020, the median household income for the City of Madison is $67,565 compared to the Dane County median income of $75,179 and Wisconsin median income of $63,293. Poverty rates are 16.4%, 9.6%, and 10.0%, respectively.

UW – Madison Effect on Local Economy

The University of Wisconsin-Madison and affiliated organizations significantly impact the local and state economy. Per the 2021-2022 Budget in Brief report, UW-Madison generates $30 billion annually, supporting 189,202 Wisconsin jobs and generating more than $718.6 million annually in state and local tax revenue. The current annual university budget is $3.6 billion, sourced from 25% federal grants and financial aid, 21% tuition, and fees, 18% gifts and nonfederal grants, 15% state revenue, 13% auxiliaries, 7% other operating receipts, and 1% state labs. As of Fall 2020, there were 24,398 total faculty and staff positions supported at UW-Madison, in addition to employing more than 9,000 undergraduate students.

Parking and Transportation

Parking and transportation features at the project site include UW Parking Lot 130, University Bay Drive, and the Howard Temin Lakeshore Path, a bicycle/pedestrian trail. The parking lot has a 100-car capacity and requires payment Monday to Friday, 6 a.m. to 4:30 p.m. The lot is closed from 10 p.m. to 4 a.m.

Bus stop #2881, University Bay at Picnic Point, is also located at Lot 130 and serves Madison Metro bus routes 80 and 84. UW-Madison has policies in place to provide incentives to use alternative transportation means. The campus continues to work with neighborhoods and the City of Madison to reduce commuter travel and minimize parking conflicts. In 2003, UW Transportation Services entered into an agreement with Madison Metro for a bus pass program to provide free ridership to students. The costs are covered by UW Transportation Services and Associated Students of Madison. In addition, the campus has worked with Nelson\Nygaard Consulting Associates to establish more effective bus routes to accommodate students. According to the Fiscal Year 2023 Budget on the UW-Madison Transportation Services website, 7.57% of all transportation services expenses go towards the campus bus, while 4.79% go towards UW employee bus passes. The total annual cost of the bus service is over $1.5 million.

Walking paths extend from the lot area to Bill's Woods, Picnic Point, Eagle Heights Community Gardens, and other areas in the vicinity. The Howard Temin Lakeshore Path extends from North Park Street in the east to Oxford Road in the west and serves to provide access to major areas in the preserve, including connection to the Lake Mendota Path which follows the shoreline of Lake Mendota.

Utilities

An existing 10" to 15" sanitary sewer line is located on the north side of the proposed project site and was installed to serve the Picnic Point Changing House (AKA Beach House) in 1967. However, the building was never opened to the public and is currently used for storage. Further investigation of this sewer line is proposed to be incorporated in further project design.

The nearest domestic water line is located approximately 1,100 feet to the west of the project site at the intersection of University Bay Drive and Mendota Drive. The next nearest water line is located approximately 1,700 feet to the south, where it provides a fire hydrant for the Goodman Softball Complex. Further investigation of water mains is proposed to be incorporated in further project design.

An electric line is also located 1,100 feet to the west of the project site. There are no other known utilities located at the project site or in the immediate vicinity.

IV. Probable Adverse and Beneficial Impacts of the Proposed Action on the Environment

A. Physical Environment

Climate and Air Quality

The building will use a closed loop, vertical ground heat exchanger to provide geothermal water to a series of heat pumps in the building. A dedicated outdoor air system will provide ventilation to and exhaust air from the building. The unit will include a total energy recovery core. An on-board heat pump will dehumidify and temper ventilation air to space neutral conditions. Supplemental electric heat will be provided by the building's solar array. Therefore, no significant climate or air quality changes are anticipated. The proposed facility does not contain any processes or sources requiring an air permit from the Wisconsin Department of Natural Resources. Convenience water heating and convenience space heating sources with less than 5 million British thermal units per hour of heat input are exempt.

Short-term emissions of particulate matter and combustion byproducts (i.e., sulfur dioxide, nitrogen oxides, carbon monoxide) will be generated from non-stationary diesel-powered construction equipment such as excavators and trucks. However, these emissions do not require special permitting to protect air quality or the environment, and water may be used to suppress dust generated by construction equipment.

Energy & Sustainability

The Preserve Outreach Center building is to be a highly sustainable facility and features a photovoltaic array to provide 100% of the electrical power. The new facility will also utilize stormwater reuse best management practices, green roofs to reduce runoff, use of recycled/upcycled building materials, daylighting to reduce electrical needs, and passive ventilation with operable windows throughout. The building will also use geothermal heating/cooling.

Surface and Subsurface Conditions

The site clearing for the Preserve Outreach Center includes the relocation of a section of University Bay Drive, the existing bioswale, and relocation of Lot 130. Additional excavation and restoration within the University Bay Drive right-of-way may be required for the water main connection. Construction methods and routing to reduce road impact will be reviewed in the next phase of design. The existing stone wall (i.e., Picnic Point Gates AHI site) will be protected during demolition and construction. To the greatest extent possible, materials removed during demolition should be recycled or reused as part of UW-Madison's commitment to sustainable development practices.

Subsurface work includes the building foundation, underground utilities (geothermal wells, water main, sanitary sewer, and electrical conduit), bioswale installation, and tree planting.

Water Resources

Stormwater and Surface Water

Significant adverse impacts to stormwater and surface water are not anticipated based on the proposed stormwater management features for the outreach center. The first half inch of runoff will be routed to bioretention or other green infrastructure BMPs, including removal of oil and grease from the parking lot. All the stormwater management practices proposed on this site classify as green infrastructure. The first objective of the stormwater management design required by the Preserve Outreach Center is to maintain

the capacity of the existing bioswale that runs through the proposed site. This bioswale, along with the raising of University Bay Drive, helps to reduce flooding in this area.

The bioswale will be rerouted south of the Outreach Center through the parking lot, which is also the area delineated as Wetland 2 in 2017. Additional bioswale and stormwater management area are proposed east of the parking lot. The discharge for the bioswale in University Bay will be maintained to reduce disturbance to the shoreline of the Bay and Lake Mendota. The bioswale will provide reduction of suspended solids, oil and grease removal, runoff rate reduction, and infiltration. A new bioswale is proposed south of the new section of University Bay Drive. This swale is intended to collect and treat the runoff from the road prior to entering the Class of 1918 Marsh. Pervious pavement is proposed for the parking lot replacement, which significantly reduces runoff.

The geotechnical investigation from DFD Project 10I3D indicated that the water table around the location of this site was roughly three feet below the ground surface. The feasibility of the pervious pavement for the new parking lot will be evaluated further following a future geotechnical investigation. Pervious pavement can provide TSS reduction, runoff rate reduction, and infiltration. A “green roof” is proposed for much of the Outreach Center. The proposed green roof reduces the rate and quantity of stormwater leaving the roof top via evapotranspiration, cools the runoff, and filters the water through the soil medium. It also reduces HVAC needs and extends the life of the roof membrane reducing overall maintenance costs.

The proposed stormwater management for the Preserve Outreach Center is a combination of new development for the facility and redevelopment for the parking lot and roadway relocations. In 2020, the City of Madison adopted a more restrictive stormwater ordinance. While not required, this standard is followed on the UW-Madison campus as a best practice. The City of Madison MGO 37 standard is the most restrictive of the listed standards. The City of Madison MGO 37 and Chapter 14 standards will be followed by the design team. A storm water management plan will be included with the final design.

- Some of the more restrictive requirements of MGO 37 include: the reduction of total suspended solids by 80% based on average annual rainfall.
- New development: Control the peak runoff rate for the 1, 2, 5, 10, 100, and 200-yr, 24-hour storm event and safely pass the 500-yr 24-hour storm event.
- Redevelopment: Reduce the runoff rate from the site by 15% compared to existing conditions during a 10-year design storm.
- All developments: Post development site shall infiltrate 90% of the predevelopment infiltration volume unless the site qualifies for an exemption. High groundwater on the site may limit the feasibility of achieving the recommended infiltration volume.
- Redevelopment: Reduce the runoff volume from the site by 5% compared to existing conditions during a 10-year design storm. Due to the mixture of redevelopment and new development, this will be applied to the parking lot and University Bay Drive rerouting.

This project site is in the Rock River total maximum daily load (TMDL) area. Therefore, the site will be designed to reduce the TSS leaving the site by 80% or 60% for new parking as compared to no controls. The existing site has 100+ parking stalls in the lot. Parking lots with over 40 stalls that are resurfaced are required to have oil and grease controls. The first one-half inch of runoff from the parking lot needs to pass through an oil and grease control device.

In the short term, grading and construction activities have the potential to dramatically increase erosion and runoff of suspended solids due to the removal of plants and impervious surfaces and exposure of underlying soils to construction equipment. However, significant impacts are not anticipated, as an erosion control plan will be implemented in compliance with a construction storm water permit from the WDNR per Ch. NR 216, Wisconsin Administrative Code. Best management practices to control erosion include installing silt fencing or dikes, track pads, erosion mats on sloped surfaces, and sewer inlet protection.

Wetlands

The proposed project will adversely impact wetlands delineated in 2017 for Parking Lot 130 reconstruction. Based on currently available information in the 2017 wetland delineation report and the 2023 Advanced Plan, less than 10,000 square feet of wetland are anticipated to be impacted. As such, a WDNR Wetland General Permit is anticipated to be needed prior to construction. Due to the subsequent parking lot reconstruction and the time that has passed since 2017, a new wetland delineation will be performed to evaluate the current extent of wetlands in the project area and better quantify impacts for permitting purposes.

Groundwater and Drinking Water

The proposed project is not anticipated to have a significant effect on groundwater, as water for drinking and fire suppression is obtained from a municipal supply system. Drinking water for building occupants will be supplied by the City of Madison system and is not anticipated to overburden the supply. The fire suppression system also uses the municipal water supply.

Floodplains

The southeast portion of the project site is located with Zone AE, a 1% Annual Chance Flood Hazard. An AE flood zone is a high-risk area that has a 1% chance of flooding during a given year and a 26% chance of flooding during a 30-year mortgage. These zones are also known as special flood hazard areas or 100-year flood zones according to FEMA and are also regulated as F2 Flood Fringe District under Chapter 28 of City of Madison's Code of Ordinances. A 500-year floodplain also extends beyond the fringe of the 100-year floodplain and constitutes part of Zone X, designated by FEMA as an area of minimal flood hazard.

Since approximately 1.5 acres of the project site lies within Zone AE, the project will adversely impact and be impacted by floodplains. However, the site building will be constructed outside of 100-year floodplain limits (i.e., within Zone X) to minimize the chance of flood impacts to the building. The proposed project will need to follow general development standards in Ch. 28.121(7) and 28.123(3), Code of Ordinances, to be permitted by City of Madison. The application must include data sufficient to determine if the proposed development will cause either an obstruction to flow or an increase in regional flood height or discharge. At this time, detailed hydraulic analysis has not been performed. However, given that the impacted area of floodplain is to be redeveloped with a parking lot substantially similar to the existing one, a significant impact to the floodplain is not anticipated. Stormwater management features incorporated into the design, such as the use of green roof and bioswales as described above, are anticipated to facilitate flood mitigation by detaining stormwater. A FEMA National Flood Hazard Layer superimposed on the project site is provided on Figure 7 in Appendix F.

Noise

There will be short-term noise impacts generated by construction equipment during the construction period, including demolishing existing structures, tree removal and clearing and grubbing. Noise levels typically generated by construction equipment are featured in the table below. Hearing protection will be required for construction workers who may experience noise exposure above the Occupational Safety and Health Administration (OSHA) thresholds to mitigate this temporary adverse impact.

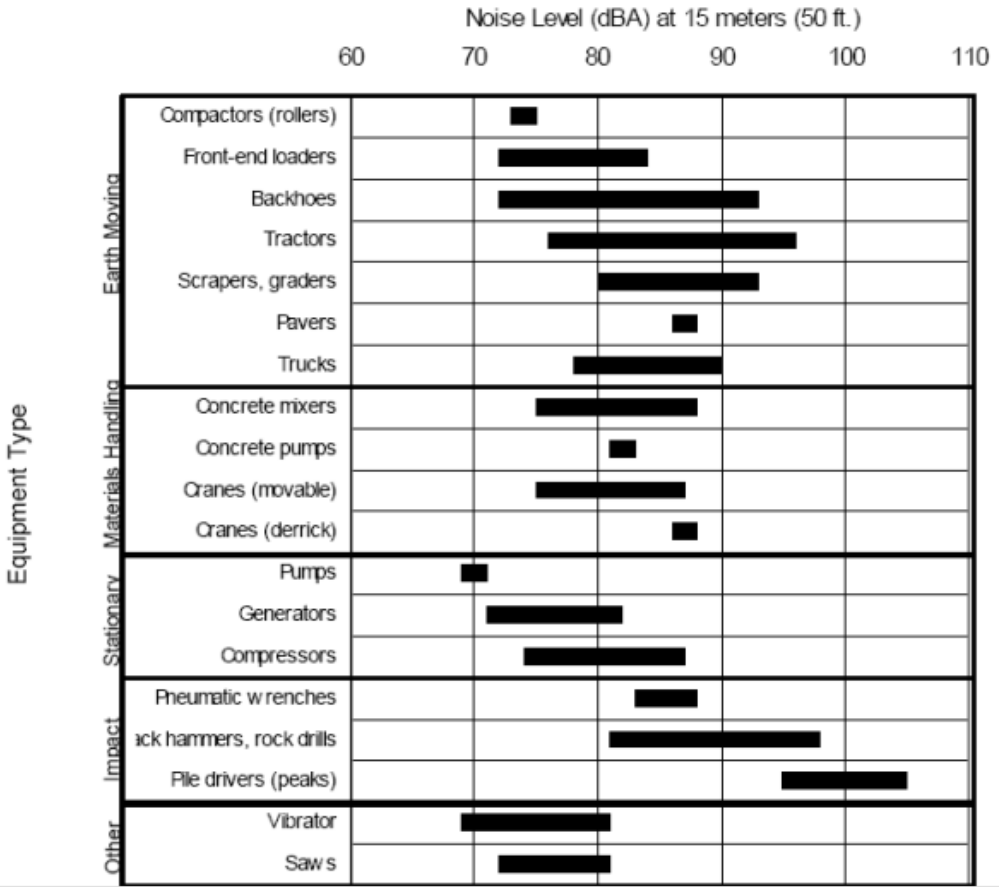

Figure 1 Construction Equipment Noise at 15 Meters

Source: U.S. Report to the President and Congress on Noise. February 1972.

There may be some localized long-term noise increase from changes in traffic patterns and access as the proposed Preserve Outreach Center building will cause an increase in student and visitor usage at the project site; however, this increase should be consistent with current noise levels in a park setting.

Lighting

Energy efficient light emitting diode technology (LED) fixtures will be installed throughout the entire facility to provide illumination. Exhibit and other showcase areas will have architectural type lighting. Offices and other common use areas will have standard LED troffer style fixtures with acrylic lenses. In utilitarian spaces such as custodial rooms, mechanical and electrical rooms, strip-light style fixtures will be provided.

Energy efficient LED exit signs and emergency egress lighting will be provided by selected light fixtures serving the space/area as required to allow for proper egress upon normal power failure. These fixtures will have internal batteries for emergency power. Lighting levels (in footcandles) and associated watts per square foot of energy consumption will be based on Illuminating Engineering Society (IES) Handbook, ASHRAE 90.1 -2010 and the University of Wisconsin Design Standards and Procedures.

Automatic lighting control will be provided throughout the entire facility as required per ASHRAE 90.1 as appropriate for each use. Daylighting control will be provided for spaces with windows. In general, all spaces except transient spaces will include dimming controls. For spaces where automatic lighting control will not be provided, such as mechanical and electrical rooms, standard light switches will be provided for safety concerns.

Current detailed construction estimates for the project include the use of 180-degree cutoff exterior lighting approved by DarkSky International. Given the use of this technology and the relatively small size of the facility, light pollution is not anticipated to be significant.

Environmental and Chemical Hazards

Based on a review of online WDNR databases, there are no known recognized environmental concerns or potential environmental concerns anticipated to be encountered during site development.

Storage of hazardous materials in the new garage and workshop includes: a herbicide work area with racks/cabinets for sprayer equipment, including a sink and exhaust hood; flammables storage in fireproof cabinet for drip torches, gasoline, etc.; and a fuel can storage area within the cold bay. It is assumed that the design will include secondary containment for chemical storage areas to minimize the risk of release to the environment.

Parking and Transportation

According to the UW-Madison Lakeshore Nature Preserve Outreach Center Advanced Plan (UW-Madison 2023), the experience of accessing the Preserve today can be stressful, while also creating safety concerns. As a pedestrian, one must first cross University Bay Drive, then the commuter bike path and walking trail, and finally navigate a tight Preserve entry maze designed to prevent bike access. As a biker, multiple interfaces with crossing pedestrian traffic create conflict zones. For drivers in vehicles, the tight curve of University Bay Drive creates a hazardous condition where pedestrians crossing the road cannot be easily seen, especially from east-bound traffic. The many different overlapping circulation paths at this curve create a multimodal “hairball effect” that must be unwound (UW-Madison 2023).

The existing Lot 130 was constructed by DFD project 17H2H in 2019. The lot has 100 stalls including 4 ADA stalls. The lot contains a combination of paid parking for visitors and permit parking issued by UW Transportation Services. The final number of each type of parking space will be refined in the future design phases of this project, but the reconstructed lot will be located immediately north of the realigned University Bay Drive.

Traffic patterns will have some short-term impacts as a result of the project. There will likely be temporary slowdowns or street shutdown and detour resulting from contractor vehicle and machinery movement at the project site during construction.

Overall, traffic patterns and flow will change as a result of the construction of the project. Realignment of University Bay Drive provides safer pedestrian crossings and entry to parking located on the Preserve side of road.

Utilities

Due to the proximity to Lake Mendota and the 100-yr and 500-yr floodplains, off-grid sanitary sewerage treatment options were not investigated. Similarly, off-grid domestic water was not investigated for this site. The City of Madison fire code requires two hydrants to serve the Outreach Center for fire protection. A connection to the Madison municipal water network ensures a more reliable and lower maintenance water source for the Outreach Center.

HVAC Systems will be a closed loop, vertical ground heat exchanger which will provide geothermal water to a series of heat pumps in the building. The ground loop will be provided with redundant circulation pumps and will circulate 25% propylene glycol solution rated for geothermal usage. Exact well field siting will be determined as the design is further developed. Redundancy is built into the system to avoid unintentional downtime. Redundant geothermal supply pumps keep the system circulating. Each zone

has a terminal heat pump and radiant floors supplement all zones. If one heat pump goes down, the others all remain functional including the radiant floors.

Primary space conditioning will be provided by terminal water-to-air heat pumps. A zoned radiant floor system will provide supplemental heating and cooling. The radiant floor system will be supplied with hot and chilled water by water-to-water heat pumps connected to the main geothermal water loop. A dedicated outdoor air system will provide ventilation to and exhaust air from the building. The unit will include a total energy recovery core. An on-board heat pump will dehumidify and temper ventilation air to space neutral conditions. The on-board heat pump will be connected to the geothermal loop. The entire system shall be controlled by a building automation system.

The new facility will require a 400 Amp, 120/208 Volt, 3 Phase, 4 Wire incoming service. There are two options for the new service; 1) extend a duct bank from the UW medium voltage (MV) network to the site or 2) extend MG&E service to the site. The UW network would be extended from the south while an MG&E service would come from the west. The location of the resulting electrical room would be based on the selected option. New entrance conduits will be installed underground to the new Electrical Service Room with the final location to be determined during detailed design. Due to the marsh land topography between the proposed site and nearest point of connection to the medium voltage distribution system on the campus, it is anticipated that a duct bank from the UW medium voltage network to this area may not be feasible making a connection to MG&E a more likely option.

Installation of new utility lines will result in construction impacts that may impact student, faculty, and staff access to the parking lot, pedestrian walkways, lakeshore trail, and University Bay Drive. Additionally, interconnection to existing utilities may result in a temporary interruption of services. Other potential impacts may include the disruption of sidewalk use and lane or road closures. These disruptions, however, would be short term and any areas disturbed through these activities will be restored upon completion.

UW–Madison pursues a minimum of Leadership in Energy and Environmental Design (LEED) Silver certification on most of its new and renovated facilities and currently has 11 LEED-certified buildings. In the next phase of work, the compatibility and eligibility of these certification opportunities will be evaluated to determine if one or both should be pursued. The design team attended an initial consultation with the Living Buildings Certification (LBC) Manager.

After reviewing the introductory materials, LBC has indicated that this project has a potential pathway to full Living Building Certification. The Outreach Center can become the first Living Building certified in Wisconsin. At a minimum, ultimate design goal is to meet the requirements of Wisconsin Executive Order 63, which states that new State buildings are to be designed to use 10 percent less energy than commercial code (2015 International Energy Conservation Code).

B. Biological Environment

Significant adverse biological impacts are not anticipated for the project site. However, the general loss of an approximately 0.92-acre wooded area on the site's north side may be considered a minimally adverse effect on the biological environment. This equates to 0.3% of the 300-acre preserve.

As discussed in Section III.B., a WDNR Endangered Resource Review determined that the project is anticipated to have no significant impact on endangered or threatened species, as only minor actions during construction are needed to comply with state or federal endangered species laws and no take permits are necessary for any species. The required compliance actions will be incorporated into the project plans and specifications prior to construction. The particular species and actions required for compliance are confidential under state law and thus cannot be published in this report.

C. Social and Cultural Environment

Recreation and Green Space

Although there will be a slight loss of approximately 0.92 acres of wooded area, this project will overall positively impact campus recreation and green space. The new facility is designed to enhance the Lakeshore Nature Preserve's usability, accessibility, and recreational potential. Key benefits include:

- Enhanced Accessibility and Use: The new building, while occupying some existing green space, is designed to maximize and improve access to the Preserve, encouraging greater use and enjoyment of the area.
- Improved Infrastructure: Surface parking lots, trail access points, and walkways will be redesigned to better accommodate recreational activities. This includes the introduction of improved entrances and landscaped features around the building's perimeter.
- Bicycle-Friendly Design: The project will include more adequate bicycle parking, encouraging visitors to store their bicycles safely while they explore the site's amenities.
- Viewing Decks: New viewing decks will provide enhanced access to the larger green space and recreation areas, offering scenic views of the Preserve, lake, and surrounding landscape.

The project will create better walkways and entrances, facilitating easier access to the Preserve's trails and natural features. Thoughtfully designed landscaping around the building will enhance the aesthetic appeal and natural integration of the facility within the Preserve. The new facility will offer a variety of spaces for community activities, educational programs, and recreational use, ensuring that the Preserve serves a wide range of interests and needs. By incorporating these elements, the new outreach and welcome center will not only preserve but also enhance the green space and recreational opportunities available to the campus community and visitors.

Cultural Environment

The project site holds historical and cultural significance, and the new facility will serve as a platform to increase awareness and appreciation of this important heritage. By honoring the site's indigenous history as part of ancestral Ho-Chunk Nation land and safeguarding its culturally important landscapes, the project will ensure that its legacy is preserved and celebrated. The proposed site design includes a Ho-Chunk medicine plant garden. The Ho-Chunk Nation was consulted during early project design and has offered support of the proposed project.

The proposed facility will positively impact the campus's cultural environment by offering a variety of gathering spaces, amenities, and facilities for both the university and the community. The facility will provide versatile indoor and outdoor spaces for community events, meetings, and social gatherings, fostering a sense of community and engagement. Designed to support learning and research, the building will offer state-of-the-art facilities for educational programs and scholarly activities, promoting academic excellence and intellectual growth. The project will enhance recreational opportunities with improved access to nature trails, bicycle parking, and scenic viewing decks, encouraging outdoor activities and healthy lifestyles. By integrating these elements, the new facility will create a dynamic and inclusive space that honors the site's cultural heritage while providing valuable resources for education, research, and recreation. This holistic approach ensures that the project will enrich the campus and community for generations to come.

Housing

The project will not directly impact housing on or near the campus. Instead, it will enhance the living experience for residents of nearby campus residence halls by providing a "backyard" environment within the Nature Preserve. The Nature Preserve will serve as an accessible natural retreat for students and community members living in nearby residence halls, offering a serene and enriching outdoor space.

The project will not affect the number or availability of housing units, ensuring that the existing housing infrastructure remains intact. Residents and community members will have the opportunity to utilize the new facility, enjoying its amenities, gathering spaces, and recreational features without any negative impact on housing.

By providing a valuable resource and enhancing the surrounding environment, this project will contribute to the well-being and quality of life for campus residents and the broader community.

Neighborhood Compatibility and Site Aesthetics

The use and activities at the site will increase, offering more educational and research opportunities that align with the University and Lakeshore Nature Preserve. The site will be updated to better integrate the infrastructure by improving the flow and modernizing the design, enhancing its overall aesthetics.

The site is being designed with both aesthetics and nature in mind. To seamlessly integrate with the Nature Preserve and the surrounding environment, the facility and grounds will be designed to blend naturally into their surroundings. The building will include a green roof to promote sustainability and natural integration. The natural components of the building and its design will mimic and align with the surrounding nature preserve, ensuring a cohesive look and feel. The project is committed to being "net positive energy" and "net zero carbon," reflecting a dedication to environmental responsibility. By providing a valuable resource, mimicking the surrounding environment, this project will fit into natural amenities and provide an updated natural and sustainable space for campus residents and the broader community.

The Lakeshore Nature Preserve currently holds a “Conservancy” zoning designation in the City of Madison and establishing the Outreach Center/Nature Center will require a conditional use review through the Madison Plan Commission.

D. Archaeological/Historical Environment

As outlined in Section III.D, the project’s Area of Potential Effect (APE) encompasses two sites on the Architecture and History Inventory (AHI). These sites, Marsh Pump House and Picnic Point Gates, do not qualify as eligible for the National Register (NR) due to their absence of distinct character or historical significance. The proposed project design includes preservation of the Picnic Point Gates as a key feature of the site, and there are no plans involving modification of the Marsh Pump House. Both the Historic Preservation Officer of the Universities of Wisconsin (i.e., UW System Administration) and the State Historic Preservation Office (SHPO) have agreed that the project will not negatively impact the historic properties within the APE.

The APE also contains portions of two Archaeological Sites Inventory (ASI) sites. The exact location and details of these sites are confidential due to the Wisconsin Historic Preservation Database user agreement. However, there’s a risk of adverse impacts from excavation for the project’s subsurface utilities. To mitigate this, UW-Madison and the project design team will aim to avoid these sites during excavation and utility work. They will also continue to consult and provide WHS with updated information as it becomes available. If any cultural materials or human remains are discovered during the project, work will stop immediately and the SHPO will be notified.

In addition to the AHI-listed sites, there's another historical site within the APE, known as the Park and Pleasure Drive Alignment. This site was deemed potentially eligible for the NR in 2023. It is currently unclear if any historical fabric or signs of the alignment exist within the APE. UW-Madison will conduct further reviews and provide WHS with additional information as it becomes available. Therefore, if the Park and Pleasure Drive Alignment is found within the APE, the project could potentially have an adverse impact on its eligibility for the NR. A copy of the WHS Review Letter and database downloads are included in Appendix I.

E. Economic Environment

Employment

No direct employment is anticipated as a result of the proposed project. The proposed building will consolidate staff and volunteers who are currently dispersed across the campus, creating a more conducive environment for collaboration and success. By housing staff in a single location, the facility will enhance communication and efficiency, allowing individuals to work together regularly and have access to shared equipment and resources and maximize efficiency.

In the short term, the project's construction will boost local employment and economic activity. Increased expenditures on materials, fuels, lodging, and meals will positively impact the local economy during this phase. A study of the impact of construction on the Wisconsin economy by The University of Colorado Boulder Leeds School of Business (2022) indicates that every $1 million spent within the construction industry supports approximately 12 jobs on average over the year across the state economy. Accordingly, an estimated construction budget of $12,144,000 is anticipated to support 145 jobs.

Income and Spending

The anticipated total project cost, including construction, soft costs, contingency, and escalation, is estimated at $16,500,000, funded entirely through gifts and grants. In the short term, the project will stimulate the local economy by increasing employment and expenditures related to construction. This includes spending on materials, fuels, lodging, and meals, which will benefit the community during the construction phase. A study of the impact of construction on the Wisconsin economy by The University of Colorado Boulder Leeds School of Business (2022) indicates that every $1 spent within the construction industry produces an overall economic impact of approximately $1.84. Accordingly, an estimated construction budget of $12,144,000 is anticipated to produce $22,344,960 in economic impact.

Operation of the outreach center is not anticipated to generate revenue and will require continued support from UW-Madison for facility operation and maintenance costs. Friends of the Lakeshore Nature Preserve currently provides volunteer labor for maintaining the preserve, including removal of invasive plants and maintaining trails.

V. Probable Unavoidable Adverse Environmental Impacts

Several unavoidable adverse environmental impacts will occur as the result of the proposed project. Short-term impacts include noise, dust, and pedestrian and vehicular traffic impacts from materials delivery and project implementation. Dust suppression can be used to minimize the dust that becomes airborne, and construction hours will be set to minimize the impact of noise pollution, but these adverse effects will likely not be eliminated.

During project construction, there will be interference with pedestrian and vehicular/bicycle traffic, including bus routes. The site clearing for the Preserve Outreach Center includes the relocation of a section of University Bay Drive, the existing bioswale, and relocation of Lot 130. Additional street work may be required for the water main connection. Construction methods and routing to reduce road impact will be reviewed during the final design phase.

In the long-term, approximately 0.92 acres of wooded land within the preserve will be cleared to accommodate the building, and it is estimated that up to 10,000 square feet of existing wetland may be impacted by construction of the facility and parking lot, including reconfiguration of University Bay Drive and the Howard Temin Lakeshore Path. A new wetland delineation will be performed to evaluate the current extent of wetlands in the project area and better quantify impacts for permitting purposes. Provided that wetland disturbance remains less than 10,000 square feet, mitigation would not be required by a General Wetland Permit. However, proposed bioswale improvements may also create new wetland area.

The proposed development, including reconstructed parking lot, will also impact approximately 1.5 acres of floodplain, although the building will be located outside of the 100-year floodplain boundary to dramatically reduce the chances of the building being flooded. The proposed project will need to follow general development standards in Ch. 28.121(7) and 28.123(3), Code of Ordinances, to be permitted by City of Madison. The application must include data sufficient to determine if the proposed development will cause either an obstruction to flow or an increase in regional flood height or discharge. At this time, detailed hydraulic analysis has not been performed, as a grading plan and other detailed civil engineering plans, are in development. However, given that the impacted area of floodplain is to be redeveloped with a parking lot substantially similar to the existing one, a significant impact to the floodplain is not anticipated.

Cumulative Impacts

Cumulative impacts are impacts on the environment that result from the incremental impact of a proposed action when considered relative to past, present, and reasonably foreseeable future actions.

In 2015, UW-Madison adopted a Campus Master Plan to guide both short-term and long-term growth and development opportunities within the campus. The master plan, developed for a 20-year time horizon, established site design guidelines and architectural standards and included conceptual plans for future development projects to address campus image and identity, building needs, vehicular circulation and parking, pedestrian and bicycle circulation, open space, service routes and access, utilities, and phasing. Adherence to the guidelines of this master plan should help to minimize adverse effects and maximize beneficial impacts on the campus and local environment.

The primary cumulative beneficial impact of this action, as well as other recently completed and proposed projects, is the development of the UW-Madison campus in an orderly and planned process to accomplish the goals of the Master Plan. Collectively, these projects will enhance the campus image, enhance the academic experience, modernize campus facilities, improve energy efficiency, create cohesive campus neighborhoods, improve pedestrian and vehicular traffic flow and continue to make UW-Madison an attractive campus for students, faculty, and staff. The Master Plan does not propose any

major initiatives at the project site or within the Lakeshore Nature Preserve. Thus, no significant adverse cumulative impacts are anticipated.

VI. Relationship between Short-Term Uses of the Environment and the Maintenance and Enhancement of the Long-Term Productivity

Short-term uses of the environment would generally be associated with the demolition and construction phases of the project, which involve staging and storage of equipment and materials and temporary sidewalk or lane/road closures. There will be short-term impacts on the environment during construction, which include increased noise levels, consumption of fuels and other building products, temporary slowdowns, loss of parking space, and rerouting of pedestrian and vehicle traffic.

Upon completion, the project will enhance UW-Madison’s long-term productivity. The new facility will centralize currently disparate work and storage areas, improving efficiency and collaboration, and aiding in the preserves mission to shelter natural environments and cultural resources through active learning, research, and outreach in a place of respite and well-being. The building will offer new community spaces and additional amenities for both the campus and the broader community. As a hub for these activities, the facility will support the University's mission and enhance the overall campus environment. The center will honor the indigenous heritage of the community, reflecting a commitment to cultural respect and historical acknowledgment. The project will also provide a model for future green facility development by employing the use of renewable resources such as geothermal temperature control and solar power.

VII. Irreversible or Irretrievable Commitments of Resources if Action is Implemented

A. Energy

The building is to be a highly sustainable facility and feature resilient green building design elements to provide 100% of electrical needs, daylighting to reduce electrical needs, passive ventilation with operable windows throughout along with geothermal heating/cooling.

The energy that will irreversibly be consumed includes fuel and electricity used to run construction equipment and to operate construction material manufacturing plants and quarries. Electrical needs may consist of lighting, compressors, and tools.

Long-term consumption of resources to allow project completion and continued operation of the facility will not negatively impact or overload supplies due to adequate system infrastructure and renewable energy supplying this facility.

B. Archaeological and Historic Features or Sites

As described in Section IV.D. above, both the UWSA Historic Preservation Officer and SHPO have agreed that the project will not negatively impact the historic properties within the APE. Therefore, no adverse or beneficial effects on the historical sites are anticipated. However, the UW-Madison project team must continue consultations about proposed utilities and ground disturbance activities that could potentially affect the two Archaeological Sites Inventory (ASI) sites and the Park and Pleasure Drive Alignment. Meeting these conditions fulfills the project's consultation requirement with SHPO under Wisconsin Statutes 44.40. Additionally, if cultural materials or human remains are discovered during the project, work will be stopped immediately and the SHPO will be notified.

C. Financial

An unavoidable impact of the proposed action is the commitment of energy, materials, and financial resources to design and complete the project. The current project budget (including construction, soft costs, contingency, and escalation) requires a financial commitment of $16,500,000, funded entirely by gifts and grants, plus ongoing annual utility, operation, and maintenance expenses. Although the project site could be restored to pre-project conditions, the initial financial commitment is not reversible and restoration efforts would require additional funds.

VIII. Alternatives to the Proposed Action

Alternatives to the proposed project are described below.

- No Action/Defer the Project Request: This alternative eliminates the need for a new Outreach Center which was first identified in the 2006 Lakeshore Nature Preserve Master Plan, which introduced the concept of a “Preserve Station” and a gathering place for students, faculty, staff, and visitors at the base of Picnic Point. It was again supported in the 2015 Campus Master Plan with an identified site outside the historic stone entry walls to Picnic Point and near the existing parking facilities. A no-build alternative does not meet UW-Madison's programmatic needs. The preserve would continue to operate inefficiently from six dispersed locations over the campus and lack a centralized location to attract, welcome, and educate visitors to a major natural highlight of UW-Madison. Moreover, the current sharp curve alignment of University Bay Drive would remain unchanged, presenting a hazard for travelers and preserve visitors.

- Other Site Design Alternatives: The design team studied multiple configurations to organize the required site components. Several alternatives for the new Outreach Center building placement were considered in the Advanced Plan and the current proposal was selected to minimize impacts involving archaeological sites, floodplain encroachment, wetlands, existing utilities, limiting site disturbance, safe access for visitors, accommodating future increases in visitation, and opportunities to restore authentic native landscapes. The unsatisfactory alternatives were not carried forward for further consideration during the EIS process because of the negative impacts that were apparent during early planning. The alternatives considered for the new Outreach Center included the following:

    - Site Option #1 Inside the Wall - The first site option presented for public input was the open, grassy plain located just inside the east portion of the existing historic stone wall. Currently, pedestrians typically access the trail to Picnic Point at the controlled entry located at the south end of the stone wall. Site #1 is adjacent to a known archaeological site.

    - Site Option #2 West Wall - Site Option #2 is located just inside the Preserve to the west of the existing stone wall. Site would require selective land management removal of non-native, low quality trees along the edge of the Preserve.

    - Site Option #3 Reinforcing the Threshold - Site Option #3 is located directly south of the historic stone wall and within the roadway of University Bay Drive and partially within the existing bioswale. This site would require relocating both the drive and the bioswale.

    - Site Option #4 The West End - Site Option #4 is located to the west of the existing Lot 130 parking lot. This site compromises a number of program goals; however it also occupies one of the most disturbed areas.

Site Option #3 was selected for detailed design of the new Outreach Center. This EIS considers the environmental impact of the chosen alternative.

- Other Site Locations: Although floodplain and wetland impacts could potentially be avoided by selecting an alternative site within or adjacent to the preserve, such as an existing parking lot, alternative site locations would not be located near the center of the preserve or in proximity to Picnic Point, one of the most visited components of the preserve. Similarly, alternative locations would lack the connectivity to key trails and paths, including the Howard Temin Lakeshore Path, and would not present an opportunity to improve the alignment of University Bay Drive.

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Appendix A

Preliminary Design Plans

Conceptual Site Plan

Key

1. Entry to Site/Building
2. Lakeshore Path
3. Preserve Portal
4. Public Space
5. Outreach Center Building
6. Service Yard/Garages
7. Ramp to Building
8. Existing Stone Wall
9. Parking Lot
10. Temin Lakeshore Path, relocated
11. B-Cycle Parking
12. Stone Seat Walls*
13. Existing Trail
14. Proposed Canopy Walk
15. Boardwalk*
16. Table Top Crossing
17. Bus Stop
18. Bio Swale
19. Water Collection Feature
20. Ho-Chunk Medicine Plant Garden
21. Outdoor Terraces
22. To Picnic Point
23. Screen Wall and Gates
24. Service Enclosure
25. Turtle Tunnels
26. Covered Bike Parking*
27. Class of 1918 Marsh Dedication Boulder

**Donor Gift Opportunity (not in project scope)*

Unfolding the Building Design

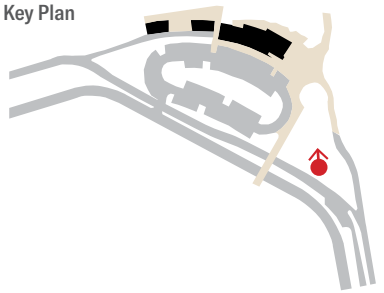
1. New road location creates unified space for building and parking
2. Vehicle/bike/pedestrian circulation improved for safety and sense of place
3. New pedestrian path highlights main entry to Preserve
4. Solar photovoltaic panels above accessible pathway leading to rooftop overlook
5. New gathering area and pavilion at Class of 1918 Marsh (Future phase)
6. Restored native prairie/wetland areas
7. Outreach Center Building

Bioswale Aerial

1. New native plant bioswale
2. New Preserve access pedestrian path
3. Covered bike shelter*

**Donor Gift Opportunity (not in project scope)*

Key Plan

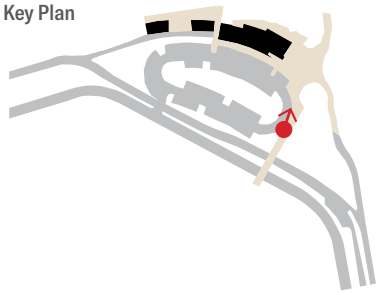


Entry Pathway

1. Fully-accessible overlook offers views 20 feet above Preserve, Marsh, Lake Mendota, and Madison skyline
2. Bike shelter provides storage and gives visitors a protected area to leave bikes before entering the Preserve*
3. Permeable pavers and native vegetation help protect water quality and enhance the entry experience

**Donor Gift Opportunity (not in project scope)*

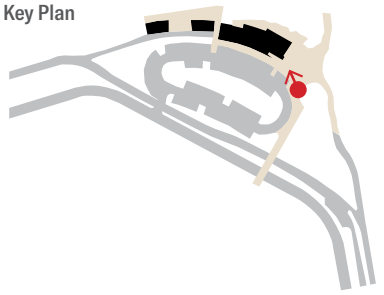
Key Plan



Entry Plaza & Monument Sign

1. Pathway and plaza with permeable paving
2. Monument sign and seat wall defines outdoor gathering area and provides interpretive opportunities
3. Limestone wall surface provides space for major donor recognition

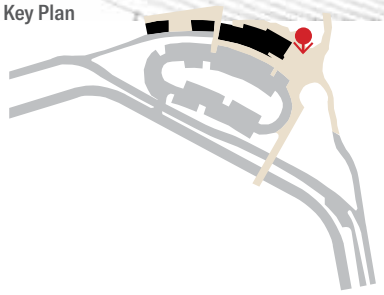
Key Plan



Unfolding the Building Design — Overlook

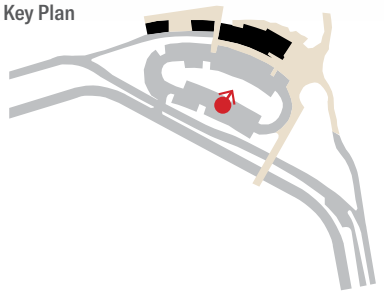
1. Fully-accessible overlook offers views 20 feet above Preserve, Marsh, Lake Mendota, and Madison skyline
2. Plaza provides welcome to the Preserve main entry and maintains emergency vehicle access
3. Path through eastern bioswale
4. Seat wall helps shape outdoor gathering area and provides interpretive opportunities

Key Plan



Path Through Parking Lot Bioswale

Key Plan



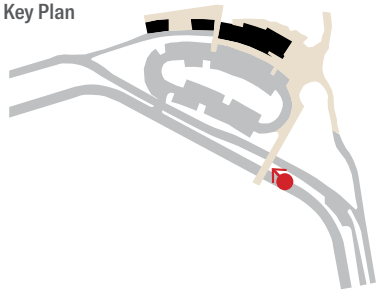
1. Boardwalk path through bioswale makes safe pedestrian connection*
2. Bioswale plantings help reduce visual impact of parking lot

**Donor Gift Opportunity (not in project scope)*

Site Entry Zone

1. Raised table crosswalk helps create safer pedestrian crossing across University Bay Drive
2. Separate bikeway and pedestrian path continuity is maintained through the new Preserve entry

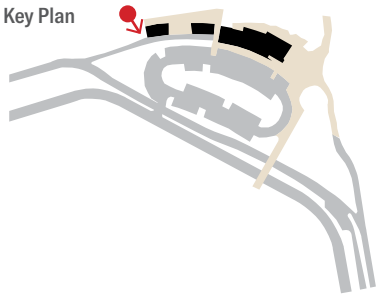
Key Plan



Work Yard Aerial

1. Work yard provides convenient staff access to Preserve
2. Green roof helps manage and filter site stormwater
3. Photovoltaic canopy covered pedestrian walkway gives views into work yard and across bioswale
4. Canopy Walk
5. Bioswale

Key Plan



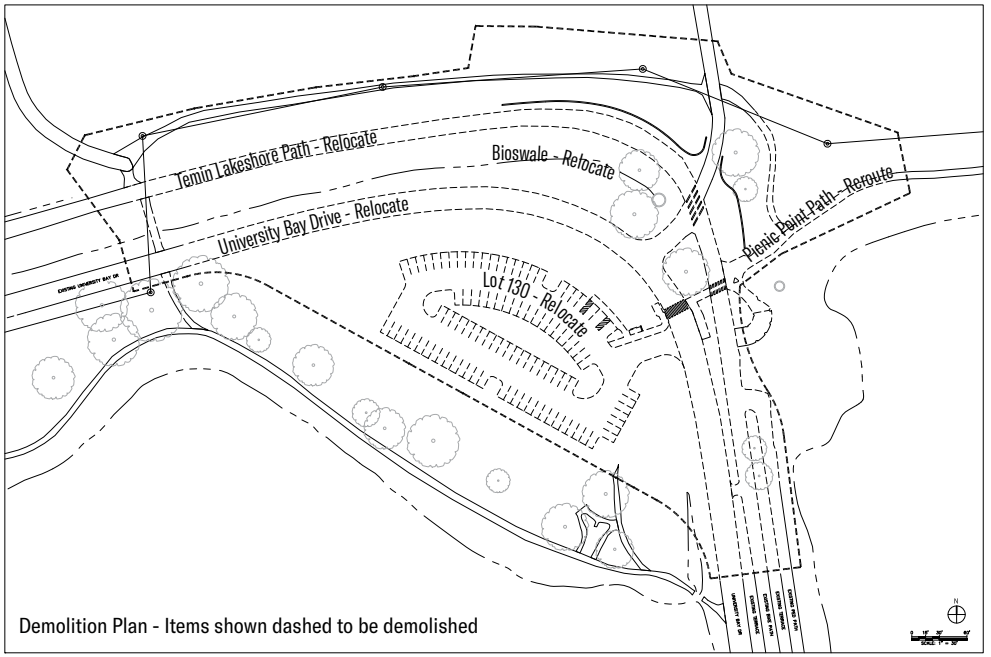
Construction Considerations

Demolition Plan

The site clearing for the Preserve Outreach Center includes the relocation of a section of University Bay Drive, the existing bioswale, and relocation of Lot 130. Additional road patching may be required for the water main connection. Construction methods and routing to reduce road impact will be reviewed in the next phase of design.

The existing stone wall should be carefully protected during demolition and construction to avoid disturbance to the foundation and the wall itself.

To the greatest extent possible, materials removed during demolition should be recycled or reused as part of UW-Madison's commitment to sustainable development practices.



Demolition Plan - Items shown dashed to be demolished

Proposed Plan Overlay

The diagram to the right shows the relationship of the proposed site arrangement over the existing conditions. A critical limitation was to ensure University Bay Drive is located no closer to the Class of 1918 Marsh than the existing Lot 130 parking stalls. This diagram shows how the proposed relocation of University Bay Drive, Temin Lakeshore Path, and bioswale. The rerouting of the Picnic Point path will connect that path to the main entry path through the stone wall gates.

Appendix B

Scoping Letters

EIS Document Distribution List
UW- Madison Lakeshore Nature Preserve Outreach Center

Contact Name	Organization	Address Line 1	Address Line 2	City	State	Zip	E-mail Address	Scoping	DEIS	FEIS	ROD
Universities of Wisconsin											
Alex Roe	Universities of Wisconsin, Senior Assocate Vice President	780 Regent Street	Suite 239	Madison	WI	53715	alexandria.rowe@wisconsin.edu	E	E		
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Scott Utter	UW-Madison, Director Campus Planning & Landscape Architecture/PM	21 N. Park Street	STE 6101	Madison	WI	53715	scott.utter@wisc.edu	E	E		
University of Wisconsin -Madison Student Representatives											
Ethan Park	SAC Governing Board Chair, Associated Students of Madison	4301 Student Activity Center	333 East Campus Mall	Madison	WI	53715	sacgb@asm.wisc.edu	E	E		
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Federal/Tribal Government Agencies											
Bill Quakenbush	Ho-Chunk Nation Tribal Historic Preservation Officer	P.O. Box 667		Black River Falls	WI	54615	bill.quackenbush@ho-chunk.com	E	E		
Jon Greendeer	President, Ho-Chunk Nation	W9814 Airport Road		Black River Falls	WI	54615	maasusga@ho-chunk.com	E	E		
Shauna Marquardt	U.S. Fish and Wildlife, Field Office Supervisor	3815 American Blvd East		Bloomington	MN	55425	shauna_marquardt@fws.gov	E	E		
State Government Agencies											
Daina Penkiunas	Wisconsin Historical Society	816 State Street		Madison	WI	53706	Daina.penkiunas@wisconsinhistory.org	E	E		
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Dane County											
Land and Water Resources							lwrd@countyofdane.com	E	E		
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City of Madison											
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Janet Schmidt, P.E.	City of Madison Engineering, Stomwater, Principal Engineer	210 Martin Luther King Jr. Blvd	Room 115	Madison	WI	53703	jschmidt@cityofmadison.com	E	E		
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Adam Wiederhoeft	Madison Water Utility, Project Engineer	119 E. Olin Avenue		Madison	WI	53713	Awiederhoeft@madisonwater.org	E	E		
Jeff Belshaw	Madison Water Utility, Water Construction Supervisor	119 E. Olin Avenue		Madison	WI	53713	Jbelshaw@madisonwater.org	E	E		
Ben Zellers	Secretary, Joint Campus Area Committee	215 Martin Luther King Jr Blvd	LL110	Madison	WI	53703	bzellers@cityofmadison.com	E	E		
State Elected Officials											
Governor Tony Evers	State of Wisconsin	115 East State Street		Madison	WI	53702	govinfo@wisconsin.gov	E	E		
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Senator Kelda Roys	State of Wisconsin State Senate District 26	PO Box 7882		Madison	WI	53707	Sen.Roys@legis.wisconsin.gov	E	E		
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Mark Bohm	Madison Gas and Electric	623 Railroad Street		Madison	WI	53703	Mbohm@mge.com	E	E		
Steve Beversdorf	Madison Gas and Electric	623 Railroad Street		Madison	WI	53703	SBeversdorf@mge.com	E	E		
Designer Architect/ Engineer											
Erik Hancock	The Kubala Washatko Architects	W61 N617 Mequon Avenue		Cedarburg	WI	53012	EHancock@tkwa.com	E	E		
Therese Hanson	The Kubala Washatko Architects	W61 N617 Mequon Avenue		Cedarburg	WI	53012	THanson@tkwa.com	E	E		
Local/Neighborhood											
Will Vuyk	Friends of the Lakeshore Nature Preserve	PO Box 5534		Madison	WI	53705	preservefriends@gmail.com	E	E		

EIS Document Distribution List
UW- Madison Lakeshore Nature Preserve Outreach Center

Kelly Kearns	Friends of the Lakeshore Nature Preserve						kearns@uwalumni.com	ND	E		
John Imes	Village of Shorewood Hills, Village President	810 Shorewood Blvd.		Madison	WI	53705	jimes@shorewood-hills.org	E	E		
Mary Czynszak-Lyne	UW Rep, Regent Neighborhood Assoc.						mary.czynszaklyne@wisc.edu	E	E		
Sharon Eveland	Village of Shorewood Hills Administrator	810 Shorewood Blvd		Madison	WI	53705	seveland@shorewood-hills.org	E	E		
Local Libraries											
College Library	UW-Madison Library	600 N. Park St		Madison	WI	53706		ND	M		
Madison Public Library	Central Branch	201 W Mifflin St		Madison	WI	53703		ND	M		

E - electronic copy
M - mailed hard copy
ND -not distributed

Ingenuity, Integrity, and Intelligence.

April 24, 2024

Potentially Interested Party
Via Email

Re: Environmental Impact Statement (EIS)
Lakeshore Nature Preserve Outreach Center
University of Wisconsin – Madison
Project #A-22-007_9950-2218

To Whom It May Concern:

The University of Wisconsin System Administration (UWSA) has retained Ayres to prepare an Environmental Impact Statement (EIS) for the proposed Lakeshore Nature Preserve Outreach Center. The EIS will be prepared following the Wisconsin Environmental Policy Act (WEPA), Wisconsin Statutes 1.11, and UWSA guidelines (Board of Regents' Resolution 2508, November 6, 1981). An initial requirement of the EIS is the scoping process. The scoping process intends to identify potential beneficial or adverse impacts of the project on the physical, biological, social, and economic environments at an early stage. Because you or your agency or group may have an interest in the project, we are inviting you to participate in the scoping process.

Project Background

The University of Wisconsin–Madison plans to construct an Outreach Center within the Lakeshore Nature Preserve, a 300-acre natural area along Lake Mendota's south shore. The need for this center was initially identified in the 2006 Lakeshore Nature Preserve Master Plan, which proposed a gathering place for students, faculty, staff, and visitors near Picnic Point. The 2015 Campus Master Plan further supported this concept, designating a site outside Picnic Point's historic stone entry walls. The chosen location offers favorable solar exposure and microclimatic conditions for a sustainable building.

The new facility will serve as a central hub for Preserve staff, facilitating collaboration with over 600 individual volunteers and 45 volunteer groups involved in land management. By streamlining coordination and providing a large meeting space, the Outreach Center aims to enhance efficiency and support the Preserve's teaching, research, and public outreach efforts.

The proposed project area includes the Outreach Center, geothermal facilities, parking, roads, a multimodal path, and relocation of a biofiltration basin. The Lakeshore Nature Preserve currently holds a "Conservancy" zoning designation in the City of Madison and establishing the Outreach Center/Nature Center will require a conditional use review through the Madison Plan Commission.

Proposed Project Action

The proposed Outreach Center, spanning approximately 10,000 gross square feet (GSF), will be located within the Lakeshore Nature Preserve on the UW-Madison campus. Its primary objective is to create a dedicated space for experiential, hands-on learning while expanding the research, teaching, and outreach capabilities of the Preserve. This center will be housed in a sustainable facility that incorporates resilient green building design elements.

Key features of the proposed Outreach Center include:

1. Preserve Staff Work Areas and Land Care Management Space: These functional areas will support the day-to-day operations of the Preserve.

2. Public-Facing Facilities: Designed to align with the University's mission, these facilities will include a 50-person multipurpose room and space for interpretive displays.
3. Restrooms: Conveniently accessible from both inside and outside the building.
4. Carbon-Neutral Building: The center will reflect the core values of the Lakeshore Nature Preserve and the University, emphasizing sustainability.
5. Geothermal Heating/Cooling: An environmentally friendly solution for maintaining comfortable indoor temperatures.
6. Stormwater Management: The design incorporates green roofs and stormwater reuse best practices to minimize runoff impact.
7. Consideration for Ancestral Land: Acknowledging the significance of the Ho-Chunk Nation's ancestral home.

The project also involves relocating a portion of University Bay Drive and shifting lot 130 to the north. The new road pavement will maintain a similar distance from the Class of 1918 Marsh as the existing parking lot. Additionally, existing bio-infiltration swales will be reconfigured to accommodate the building. Throughout this process, mapped wetlands and floodplains will be carefully considered.

The Outreach Center's funding relies entirely on gifts and grants, with a proposed budget of $16,500,000.

Below is a summary of the targeted project schedule:

Project Schedule

Board of Regents Authority to Construct	August 2024
Bid Date	April 2025
Start Construction	June 2025
Substantial Completion	August 2026
Occupancy	Fall 2026

A project location map, conceptual site plan, and figure depicting existing vs. proposed site features is enclosed. EIS information will also be made available on the Ayres project website: http://www.ayresprojectinfo.com.

EIS Schedule

The EIS report will evaluate the potential positive and adverse environmental impacts of the project in accordance with the WEPA and UWSA guidelines. Issues identified during the scoping process will be addressed in the Draft EIS report. As part of our standard EIS process, Ayres will perform research using available databases and resources to collect information pertaining to environmental, social, economic, cultural, or historic aspects of the project. The Draft EIS report is anticipated to be made available to the public for a 45-day comment period in June. A legal notice will be published in Wisconsin State Journal to announce the availability of the Draft EIS in addition to emailing a distribution list of potentially interested parties.

Appropriate revisions will be incorporated into a Final EIS document based on comments received during responses to this letter or noted during the comment period. The availability of the Final EIS report and notice of public hearing will also be announced with a legal notice in the Wisconsin State Journal, anticipated in September.

Scoping Meeting

Because you or your agency might be interested in or have input regarding potential environmental impacts associated with this project, we would like to invite you to a Scoping Meeting on Wednesday,

May 8, 2024, at 5:30 PM. The meeting will be held remotely via Microsoft Teams (Meeting ID: 279 245 268 085; Passcode: RxzJ7v) and telephone (+1 715-318-5006, 959821715#).

If you are interested in this project, we welcome any comments, suggestions, or other input you feel are important. Please submit your comments related to this project in writing by **May 8, 2024**, for consideration in the Draft EIS report. A comment form is enclosed. Send your comments to:

Mitchell Banach, PG
Ayres Associates
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
BanachM@AyresAssociates.com

If no comments are received from you or your group, we will assume that there are no project issues that negatively impact you, or that you would like to comment on.

Sincerely,

Ayres Associates Inc

Mitchell C. Banach, PG
Geologist

Enclosure: Location Map
Conceptual Site Plan
New vs. Existing Features
Comment Form

LEGEND

- Project Location
- Building Footprint
- UW Campus

Lake Mendota

PROJECT LOCATION

PROJECT LOCATION

University Bay Dr

Observatory Dr

UNIVERSITY OF WISCONSIN - MADISON

University Ave

University Ave

N Park St

State St

E Washington Ave

W Washington Ave

151

151

Regent St

Monroe St

S Midvale Blvd

M A D I S O N

Lake Monona

Monona Bay

0 900 1,800 Feet

Location Map

UW-Madison Preserve Outreach Center EIS • Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.81 • 3.5.2024

MAP 1

Conceptual Site Plan

Key

1. Entry to Site/Building
2. Lakeshore Path
3. Preserve Portal
4. Public Space
5. Outreach Center Building
6. Service Yard/Garages
7. Ramp to Building
8. Existing Stone Wall
9. Parking Lot
10. Temin Lakeshore Path, relocated
11. B-Cycle Parking
12. Stone Seat Walls*
13. Existing Trail
14. Proposed Canopy Walk
15. Boardwalk*
16. Table Top Crossing
17. Bus Stop
18. Bio Swale
19. Water Collection Feature
20. Ho-Chunk Medicine Plant Garden
21. Outdoor Terraces
22. To Picnic Point
23. Screen Wall and Gates
24. Service Enclosure
25. Turtle Tunnels
26. Covered Bike Parking*
27. Class of 1918 Marsh Dedication Boulder

**Donor Gift Opportunity (not in project scope)*


New vs. Existing
New Building
Plaza
Bioswale
Parking (100)
University Bay Drive
Howard Temin Lakeshore Path

COMMENT FORM

Environmental Impact Statement Scoping
Lakeshore Nature Preserve Outreach Center
University of Wisconsin-Madison
Madison, WI
Project #A-22-007_9950-2218

I have the following comments regarding this project and items to be considered as part of the scoping process:

[Please write comment here. Attach additional pages if necessary.]

Please complete the following information and sign if submitting comments:

Name: _____

Title/Representing: _____

Address: _____

Telephone Number: _____

E-mail Address (optional): _____

Signature: _____

☐ I am interested in continuing my involvement in the public participation components of this project. Please continue to send me project notices.

☐ I am NOT interested in continuing my involvement in the public participation of this project. Please do NOT continue to send me project notices.

Please return this form by **May 8, 2024**, to:

Mitchell Banach, PG
Ayres Associates
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
BanachM@AyresAssociates.com

Appendix C

Public Scoping Meeting Documentation

1. Summary

Meeting title	EIS Scoping Meeting: UW-Madison Lakeshore Nature Preserve Outreach Center
Attended participants	9
Start time	5/08/24, 5:24:08 PM
End time	5/08/24, 5:46:54 PM
Meeting duration	22m 45s
Average attendance time	16m 12s

2. Participants

Name	First Join	Last Leave	In-Meeting Duration	Email	Participant ID (UPN)	Role
Banach, Mitchell	5/08/24, 5:24:10 PM	5/08/24, 5:46:54 PM	22m 43s	BanachM@AyresAssociates.com	BanachM@ayresassociates.com	Organizer
RHONDA H JAMES (External)	5/08/24, 5:25:28 PM	5/08/24, 5:46:43 PM	21m 15s	rhonda.james@wisc.edu	rhjames@wisc.edu	Attendee
Davey, Liz (External)	5/08/24, 5:26:10 PM	5/08/24, 5:46:45 PM	20m 35s	liz.davey@wisconsin.edu	liz.davey@wisconsin.edu	Attendee
Sadie Derouin (External)	5/08/24, 5:27:30 PM	5/08/24, 5:46:31 PM	19m 1s	sadie.derouin@wisc.edu	sderouin@wisc.edu	Attendee
Scott Utter (External)	5/08/24, 5:29:19 PM	5/08/24, 5:46:44 PM	17m 25s	scott.utter@wisc.edu	utter3@wisc.edu	Attendee
ADAM M GUNDLACH (External)	5/08/24, 5:30:37 PM	5/08/24, 5:46:27 PM	15m 50s	adam.gundlach@wisc.edu	amgundlach@wisc.edu	Attendee
Marcus Mussey (UW-Madison EHS) (Unverified)	5/08/24, 5:31:26 PM	5/08/24, 5:46:33 PM	15m 6s			Attendee
Mark Wegner (Unverified)	5/08/24, 5:34:38 PM	5/08/24, 5:46:45 PM	12m 6s			Attendee
Mark Wegner (Unverified)	5/08/24, 5:34:42 PM	5/08/24, 5:36:25 PM	1m 43s			Attendee

3. In-Meeting Activities

Name	Join Time	Leave Time	Duration	Email	Role
Banach, Mitchell	5/08/24, 5:24:10 PM	5/08/24, 5:46:54 PM	22m 43s	BanachM@AyresAssociates.com	Organizer
RHONDA H JAMES (External)	5/08/24, 5:25:28 PM	5/08/24, 5:46:43 PM	21m 15s	rhonda.james@wisc.edu	Attendee
Davey, Liz (External)	5/08/24, 5:26:10 PM	5/08/24, 5:46:45 PM	20m 35s	liz.davey@wisconsin.edu	Attendee
Sadie Derouin (External)	5/08/24, 5:27:30 PM	5/08/24, 5:46:31 PM	19m 1s	sadie.derouin@wisc.edu	Attendee
Scott Utter (External)	5/08/24, 5:29:19 PM	5/08/24, 5:46:44 PM	17m 25s	scott.utter@wisc.edu	Attendee
ADAM M GUNDLACH (External)	5/08/24, 5:30:37 PM	5/08/24, 5:46:27 PM	15m 50s	adam.gundlach@wisc.edu	Attendee
Marcus Mussey (UW-Madison EHS) (Unverified)	5/08/24, 5:31:26 PM	5/08/24, 5:46:33 PM	15m 6s		Attendee
Mark Wegner (Unverified)	5/08/24, 5:34:38 PM	5/08/24, 5:46:45 PM	12m 6s		Attendee
Mark Wegner (Unverified)	5/08/24, 5:34:42 PM	5/08/24, 5:36:25 PM	1m 43s		Attendee

AYRES ENVIRONMENTAL

UW-Madison Lakeshore Nature Preserve Outreach Center Environmental Impact Statement Scoping Meeting May 8, 2024

Ingenuity, Integrity, and Intelligence.

www.AyresAssociates.com

Agenda

- Introduction
- Wisconsin Environmental Policy Act (WEPA) Process
- Project Description
- Public Scoping Comments
- Closing Comments

Introduction

- Attendance and transcript will be recorded by Microsoft Teams
- Environmental Impact Statement (EIS) Team:
  - Environmental Consultant: Ayres
    - Mitchell Banach, Project Manager / Geologist
  - Universities of Wisconsin (UWSA)
    - Alex Roe, Associate Vice President for Capital Planning and Budget
    - Liz Davey, Sustainability Coordinator
    - Peter Bloechl-Anderson, Project Manager
  - University of Wisconsin-Madison
    - Aaron Williams, Campus Planner / Interim WEPA Coordinator
    - Scott Utter, Director Campus Planning & Landscape Architecture – Project Manager
    - Rhonda James, Senior Landscape Architect
- Architecture/Engineering Team – produced 2023 Advanced Plan:
  - The Kubala Washatko Architects (TKWA)
  - GRAEF
  - Design Engineers
  - Chloris Lowe Cultural Consulting
  - MCC Consulting & Contracting

WEPA Process

- WEPA – 1971 and UW Board of Regents Resolutions (1981, 1999)
- Purpose – Evaluate potential environmental impacts of project and develop reasonable alternatives with public input process
- Major steps in process:
  - UWSA/Campus determines the need for an EIS based on preliminary project design
  - Scoping Phase
    - Scoping letter and meeting announced with public notice
    - 15-day public comment period
  - Draft EIS Phase
    - Research and consultation with agencies, incorporating scoping phase input
    - Report and public meeting announced with public notice
    - 45-day public comment period
  - Final EIS Phase
    - Incorporate comments from draft EIS phase
    - Report and public hearing announced with public notice
    - 30-day comment period
  - Record of Decision

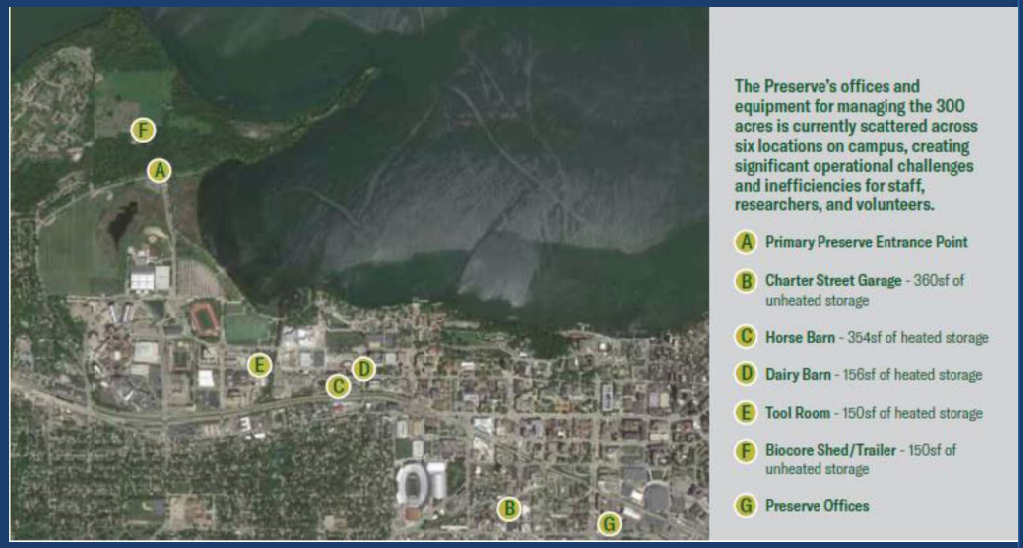
Project Description

- Background
  - The preserve currently consists of 300 acres on the south shore of Lake Mendota, comprising approximately 1/3 of the UW campus and 4.3 miles of the lake's shoreline.
  - Vision: "To foster biodiversity on campus and cultivate lifelong environmental engagement."
  - Mission: "The Lakeshore Nature Preserve shelters natural environments and cultural resources through active learning, research, and outreach in a place of preside and well-being."

Source: 2023 Advanced Plan

Project Description

- Purpose and Need
  - The first Lakeshore Nature Preserve Master Plan in 2006 introduced the concept of “Preserve Station” as a gathering place for students, faculty, staff, and visitors at the base of Picnic Point.
  - Subsequent operational growth includes three full-time staff, four Student Natural Area Assistants, interns affiliated with the Prairie Partners Program, and approximately 500 volunteers.
  - The Preserve’s offices and equipment is currently scattered across six locations on campus, significantly inhibiting operational efficiency. It lacks a centralized operation and focused entry point.
  - A 2020 survey for the Strategic Plan indicated desire for a visitor’s center with bathrooms, trail maintenance, and accessibility.



Source: 2023 Advanced Plan

Project Description

- Location

Source: 2023 Advanced Plan

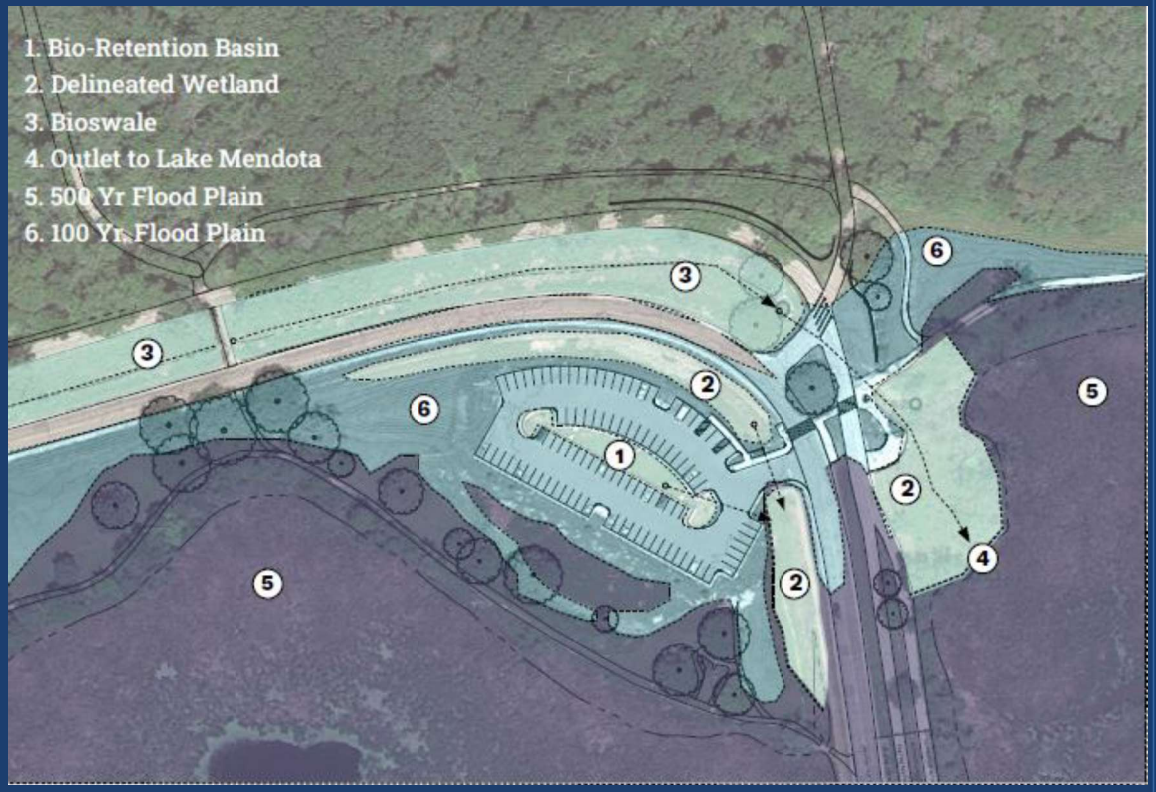
Project Description

- Existing features
  - University Bay Drive
  - Route 80/84 bus stop
  - Parking lot 130 (100 paid stalls)
  - B-Cycle station
  - Trails and paths
    - Howard Temin Lakeshore Path
    - Class of 1918 Marsh Path
    - Picnic Point Path
    - Preserve trails to Shorewood Hills, Eagle Heights, and University Heights

Source: 2023 Advanced Plan

Project Description

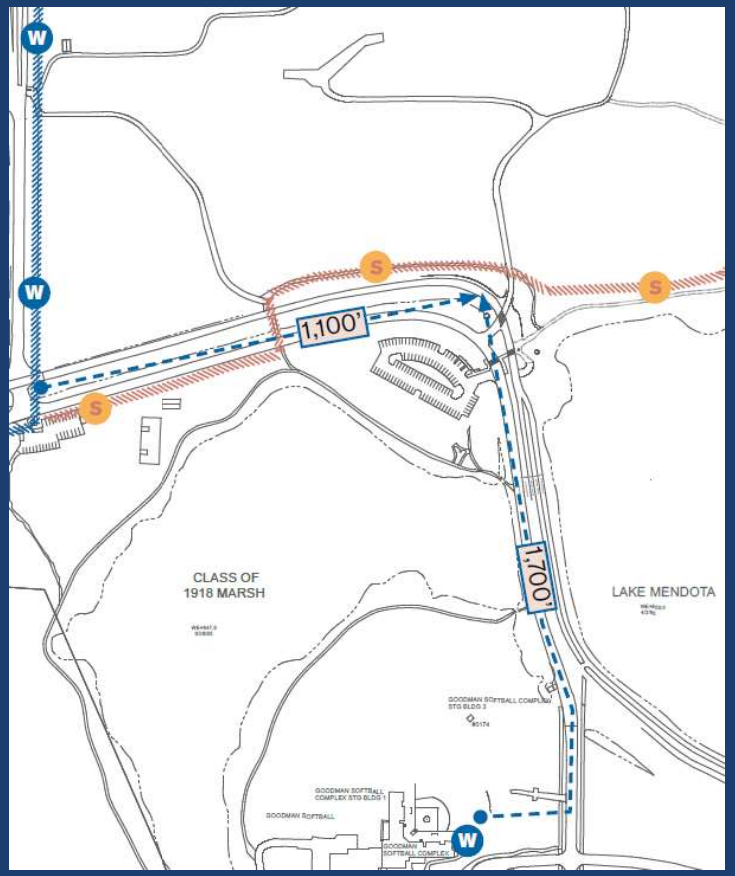
- Existing Features (continued)
  - Stormwater management
  - Floodplain
  - Wetland
  - Historic stone wall (Picnic Point Gates / EJ Young Estate) and marsh pump house further south
    - On Wisconsin Architecture and History Inventory but determined not eligible for National Register
  - Adjacent archaeological sites (not depicted)



Source: 2023 Advanced Plan

Project Description

- Existing Features (continued)
  - Utilities
    - Old sewer to Picnic Point changing house
    - At least 1,100’ from existing water line



Source: 2023 Advanced Plan

Project Description

- Proposed Outreach Center
  - 10,000 SF
  - Staff work areas and land care management space
  - 50-person multipurpose room and interpretive displays
  - Restrooms
  - Carbon neutral: solar power; geothermal heating/cooling
  - Stormwater management
  - Acknowledgement of Ho-Chunk Nation's ancestral home
- Budget of $16,500,000
- Schedule:
  - Authority to Construct: August 2024
  - Bid Date: April 2025
  - Start Construction: June 2025
  - Substantial Completion: August 2026
  - Occupancy: Fall 2026

Source: 2023 Advanced Plan

Project Description

- Relocate
  - University Bay Drive
  - Lot 130 and bus stop
  - Bioswale
  - Temin and Picnic Point paths
- Preserve
  - Stone wall
  - Archaeological sites
  - Buffer distance between Class of 1918 Marsh and existing parking lot

Source: 2023 Advanced Plan

Public Scoping Comments

- Meeting now open for comments
  - Please clearly state your name, the entity you are representing, and comment for the record.
  - Alternatively, submit written comments by Thursday, May 9 to BanachM@AyresAssociates.com
    - Comment forms and additional information available at www.ayresprojectinfo.com
    - Please submit a comment form if you did not receive a Scoping Notice via email and would like to receive emails for the remaining EIS process (release of Draft EIS report, etc.).

Closing Comments

- Additional comment opportunities for the EIS process:
  - Will be announced in Wisconsin State Journal and direct email (are you on the list?)
  - Draft EIS Report: 45 days. Public meeting time TBD.
  - Final EIS Report: 30 days. Public hearing time TBD.

Appendix D

DEIS Public Meeting Documentation (reserved)

Appendix E

Site Photographs

On-Site Features - 1

Parking lot facing east

Area between parking lot and University Bay Drive

Area east of parking lot

Area west of parking lot

On-Site Features - 2

Lakeshore Path east of parking lot

Picnic Point entrance/proposed plaza area

Area between U Bay Drive and Lakeshore Path

Approximate location of new building

On-Site Features - 3

Approximate location of new building

Culvert west of new building

Area west of new building

Stone wall at the approximate location of building/plaza

On-Site Features - 4

University Bay Drive east of site

Parking lot facing west

Culvert at Picnic Point service drive entrance

Stone column

Off-Site Features

South of parking lot

1918 Marsh south of site

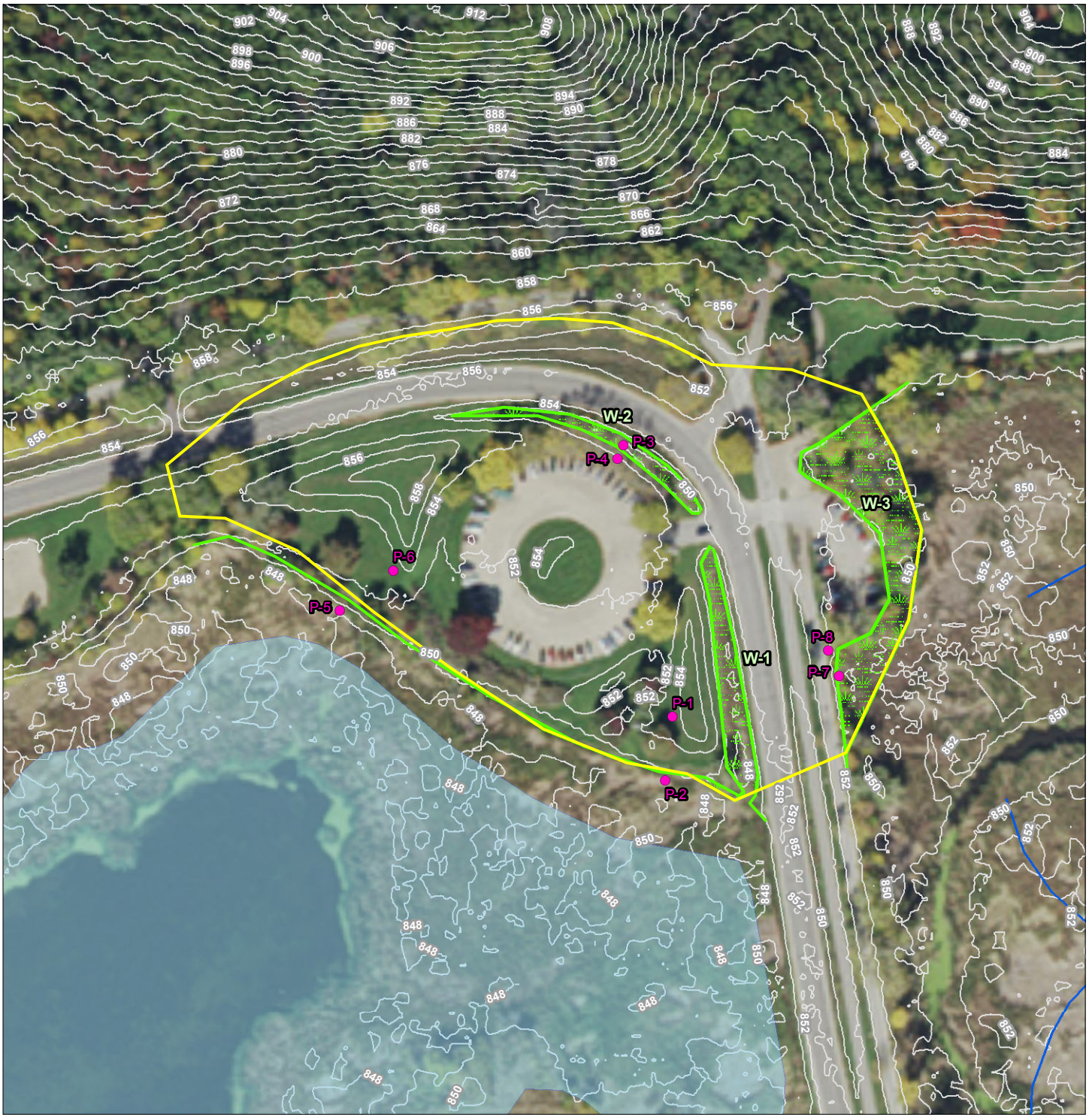
Greenspace east of proposed plaza

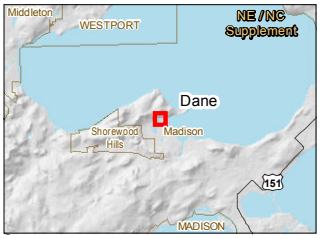
Area northeast of Lakeshore Path

Appendix F

Site Maps

V:\1937\active\193704780\03 data\gis_cad\gis\mxds\UWParkingLots Fig5.mxd Revised: 2017-01-20 By: cpeklar





Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources Include: Stantec, WDOT, WDNR, NADS
3. Orthophotography: 2015 NAIP

Legend

- Approximate Project Boundary
- Sample Point
- Field Delineated Wetland Boundary
- Field Delineated Wetland Area
- 2ft Topographic Contour

DNR 24k Hydrography

- Perennial Stream
- Intermittent Stream
- Waterbody

Figure No.
5

Title
Field Collected Data

Client/Project
Montgomery Assoc. Resource Solutions, LLC
UW Marsh Wetland Delineation

Project Location
T7N, R9E, S16
C. of Madison,
Dane Co., WI

193704780
Prepared by BT on 2016-10-14
Technical Review by CP on 2016-10-14
Independent Review by JS on 2017-01-20

0 75 150 Feet
1:1,800 (at original document size of 8.5x11)

N

Stantec

Figure 1 - Site Location

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.20.2024

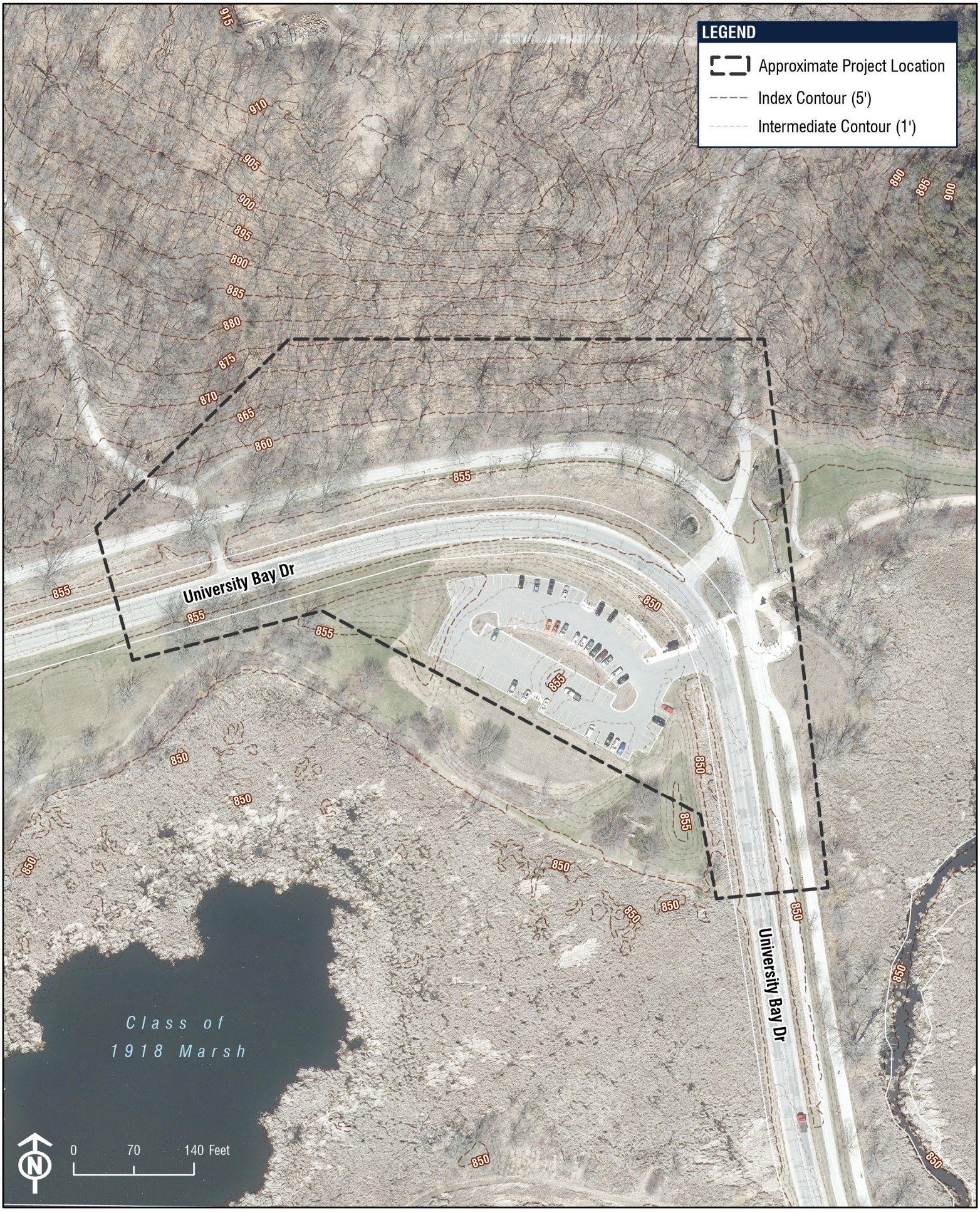
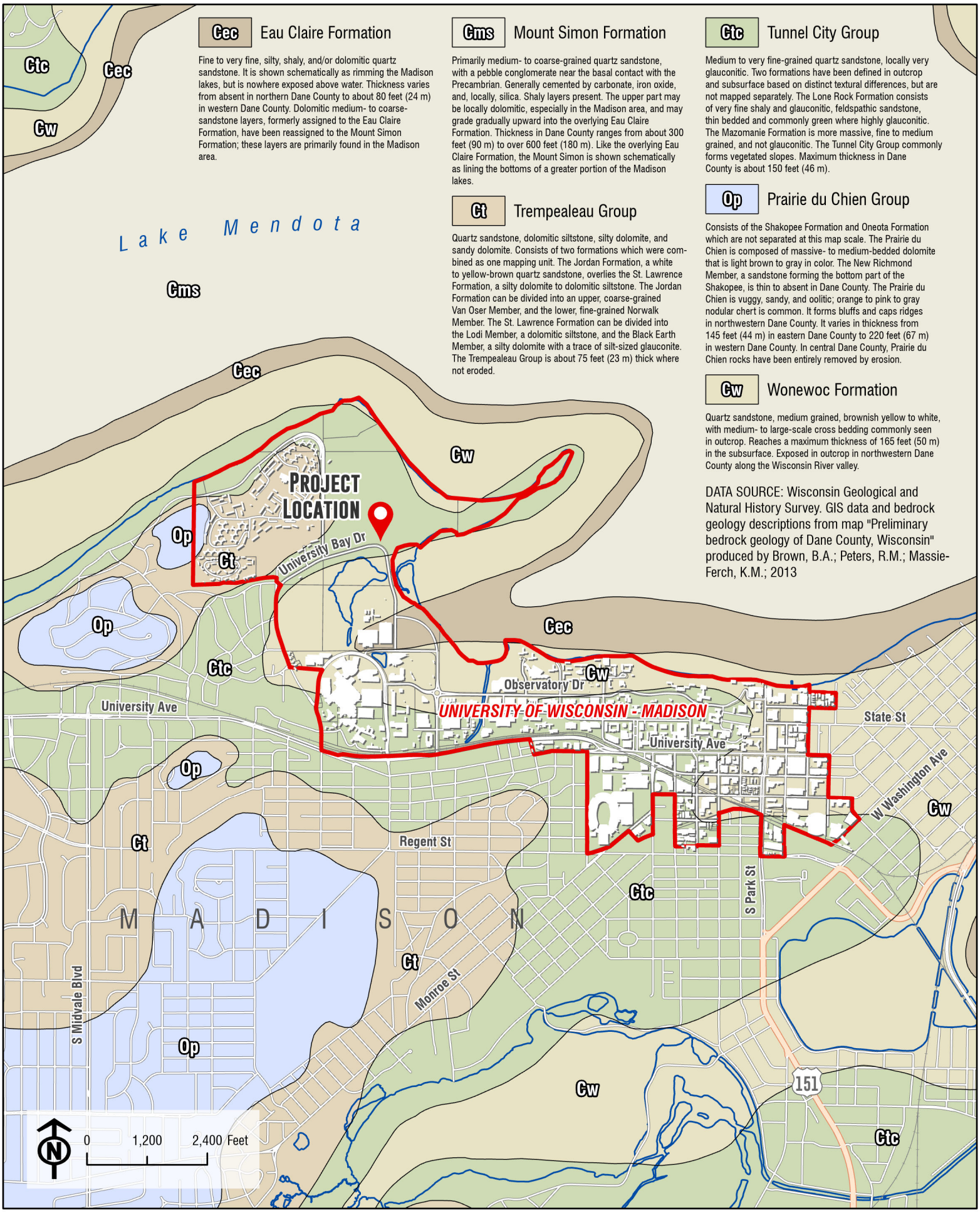


Figure 2 - Site Layout

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.19.2024



Cec Eau Claire Formation

Fine to very fine, silty, shaly, and/or dolomitic quartz sandstone. It is shown schematically as rimming the Madison lakes, but is nowhere exposed above water. Thickness varies from absent in northern Dane County to about 80 feet (24 m) in western Dane County. Dolomitic medium- to coarse-sandstone layers, formerly assigned to the Eau Claire Formation, have been reassigned to the Mount Simon Formation; these layers are primarily found in the Madison area.

Cms Mount Simon Formation

Primarily medium- to coarse-grained quartz sandstone, with a pebble conglomerate near the basal contact with the Precambrian. Generally cemented by carbonate, iron oxide, and, locally, silica. Shaly layers present. The upper part may be locally dolomitic, especially in the Madison area, and may grade gradually upward into the overlying Eau Claire Formation. Thickness in Dane County ranges from about 300 feet (90 m) to over 600 feet (180 m). Like the overlying Eau Claire Formation, the Mount Simon is shown schematically as lining the bottoms of a greater portion of the Madison lakes.

Ct Trempealeau Group

Quartz sandstone, dolomitic siltstone, silty dolomite, and sandy dolomite. Consists of two formations which were combined as one mapping unit. The Jordan Formation, a white to yellow-brown quartz sandstone, overlies the St. Lawrence Formation, a silty dolomite to dolomitic siltstone. The Jordan Formation can be divided into an upper, coarse-grained Van Oser Member, and the lower, fine-grained Norwalk Member. The St. Lawrence Formation can be divided into the Lodi Member, a dolomitic siltstone, and the Black Earth Member, a silty dolomite with a trace of silt-sized glauconite. The Trempealeau Group is about 75 feet (23 m) thick where not eroded.

Ctc Tunnel City Group

Medium to very fine-grained quartz sandstone, locally very glauconitic. Two formations have been defined in outcrop and subsurface based on distinct textural differences, but are not mapped separately. The Lone Rock Formation consists of very fine shaly and glauconitic, feldspathic sandstone, thin bedded and commonly green where highly glauconitic. The Mazomanie Formation is more massive, fine to medium grained, and not glauconitic. The Tunnel City Group commonly forms vegetated slopes. Maximum thickness in Dane County is about 150 feet (46 m).

Op Prairie du Chien Group

Consists of the Shakopee Formation and Oneota Formation which are not separated at this map scale. The Prairie du Chien is composed of massive- to medium-bedded dolomite that is light brown to gray in color. The New Richmond Member, a sandstone forming the bottom part of the Shakopee, is thin to absent in Dane County. The Prairie du Chien is vuggy, sandy, and oolitic; orange to pink to gray nodular chert is common. It forms bluffs and caps ridges in northwestern Dane County. It varies in thickness from 145 feet (44 m) in eastern Dane County to 220 feet (67 m) in western Dane County. In central Dane County, Prairie du Chien rocks have been entirely removed by erosion.

Cw Wonewoc Formation

Quartz sandstone, medium grained, brownish yellow to white, with medium- to large-scale cross bedding commonly seen in outcrop. Reaches a maximum thickness of 165 feet (50 m) in the subsurface. Exposed in outcrop in northwestern Dane County along the Wisconsin River valley.

DATA SOURCE: Wisconsin Geological and Natural History Survey. GIS data and bedrock geology descriptions from map "Preliminary bedrock geology of Dane County, Wisconsin" produced by Brown, B.A.; Peters, R.M.; Massie-Ferch, K.M.; 2013

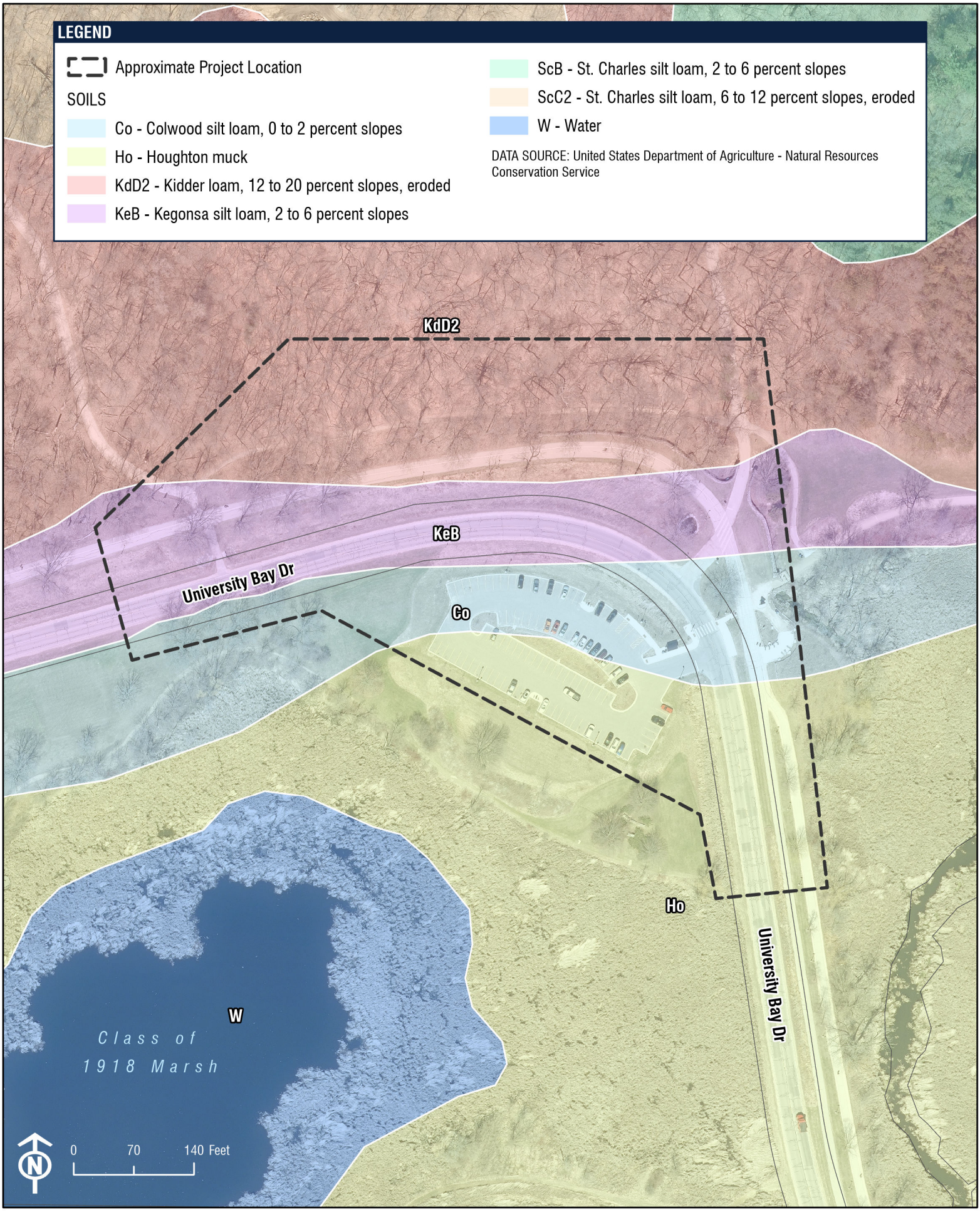
AYRES

Figure 3 - Bedrock Geology

2000 University Bay Drive • Madison, Wisconsin

WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.20.2024



AYRES

Figure 4 - Soils

2000 University Bay Drive · Madison, Wisconsin

WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.19.2024

Figure 5 - Groundwater

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.20.2024

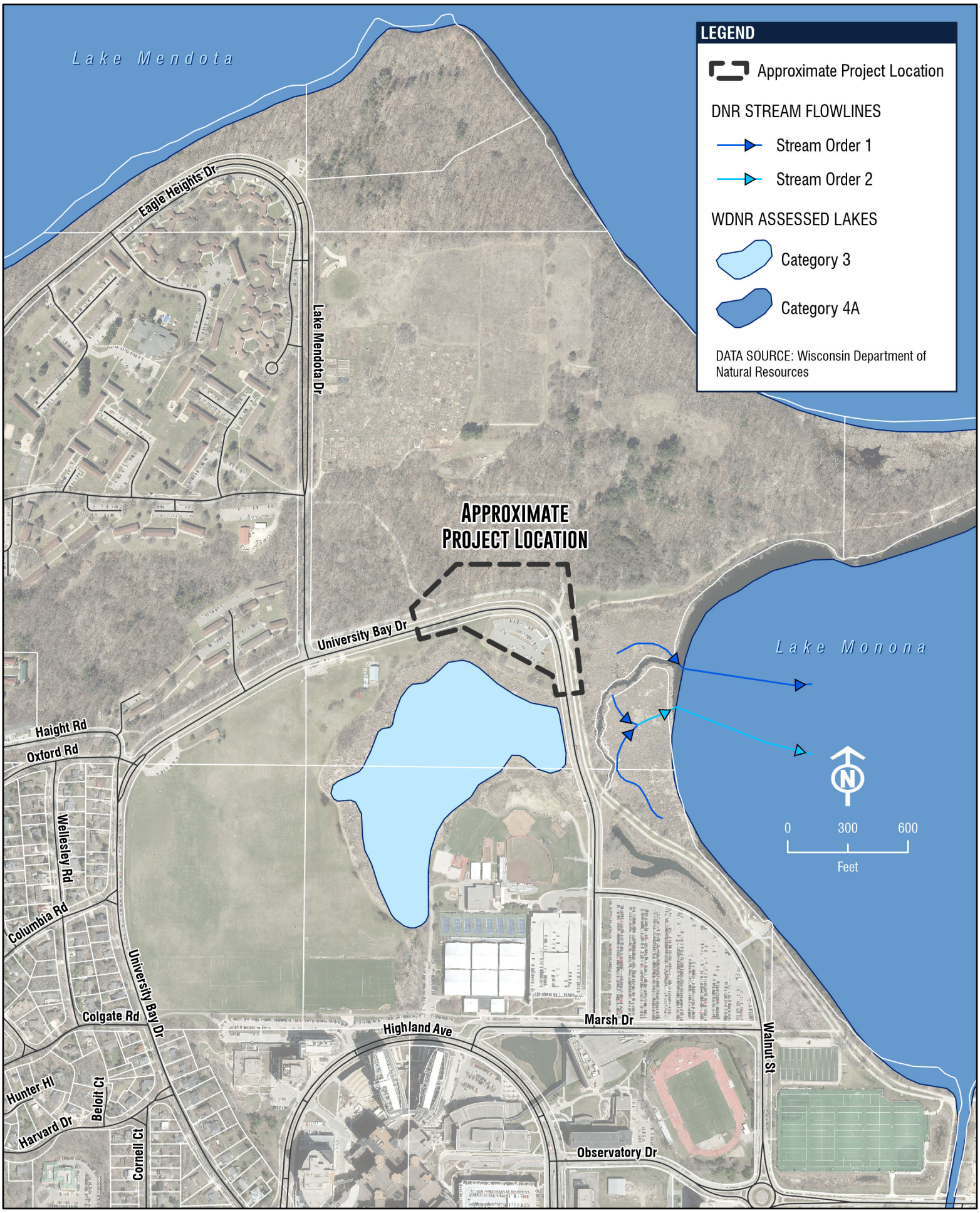


Figure 6 - Surface Water

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718

Project 23-1825.71 • 3.20.2024

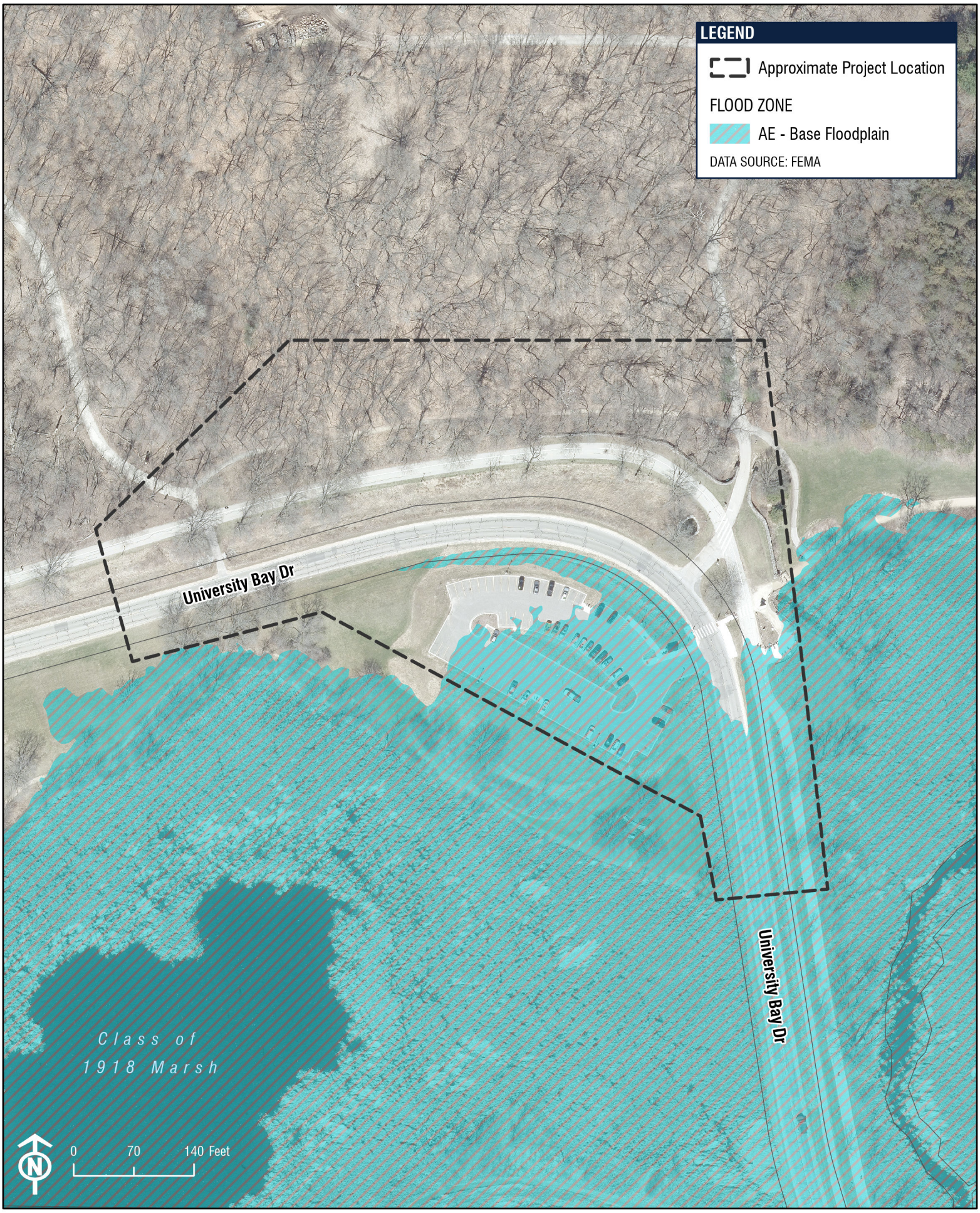


Figure 7 - Floodplain

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.19.2024

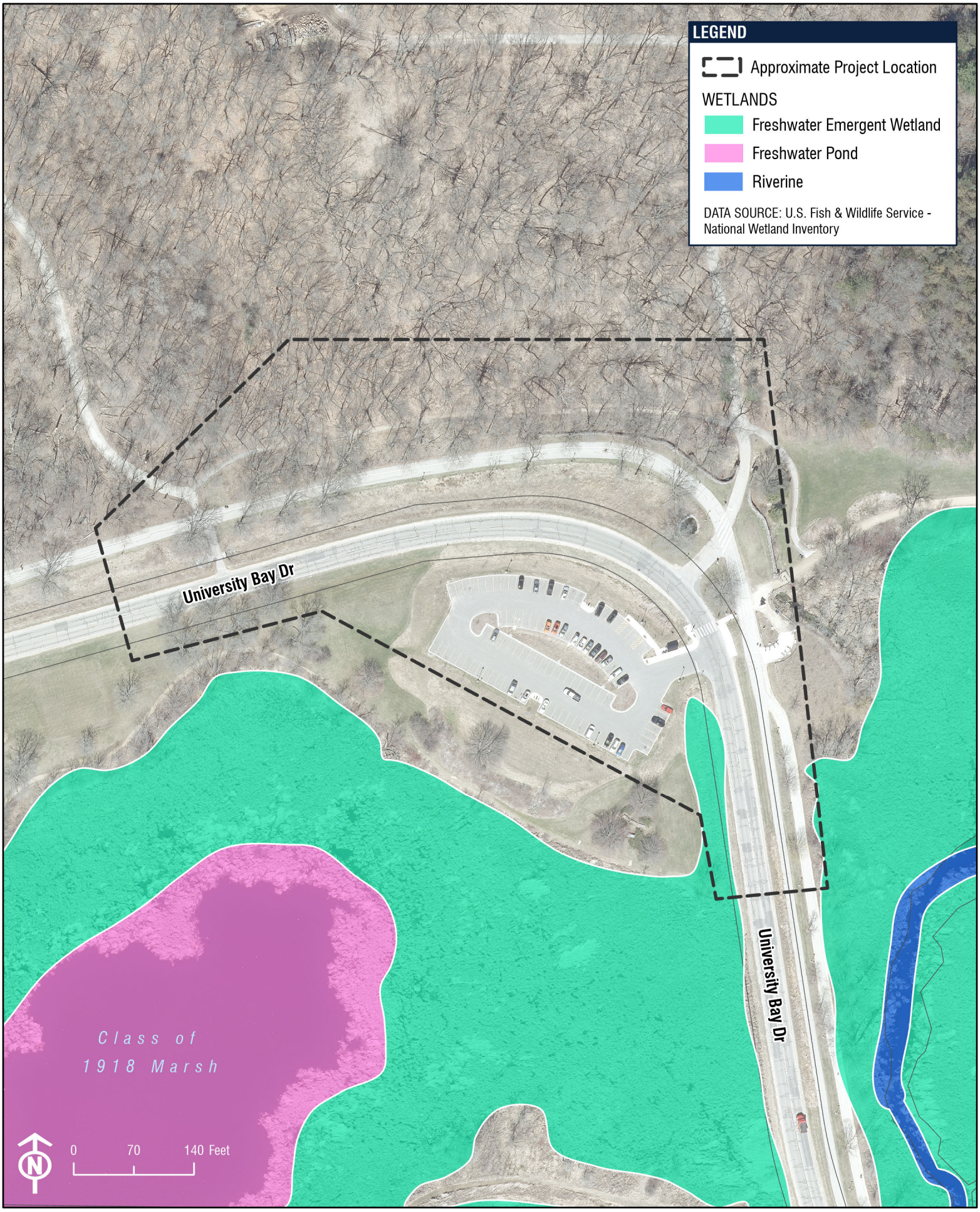
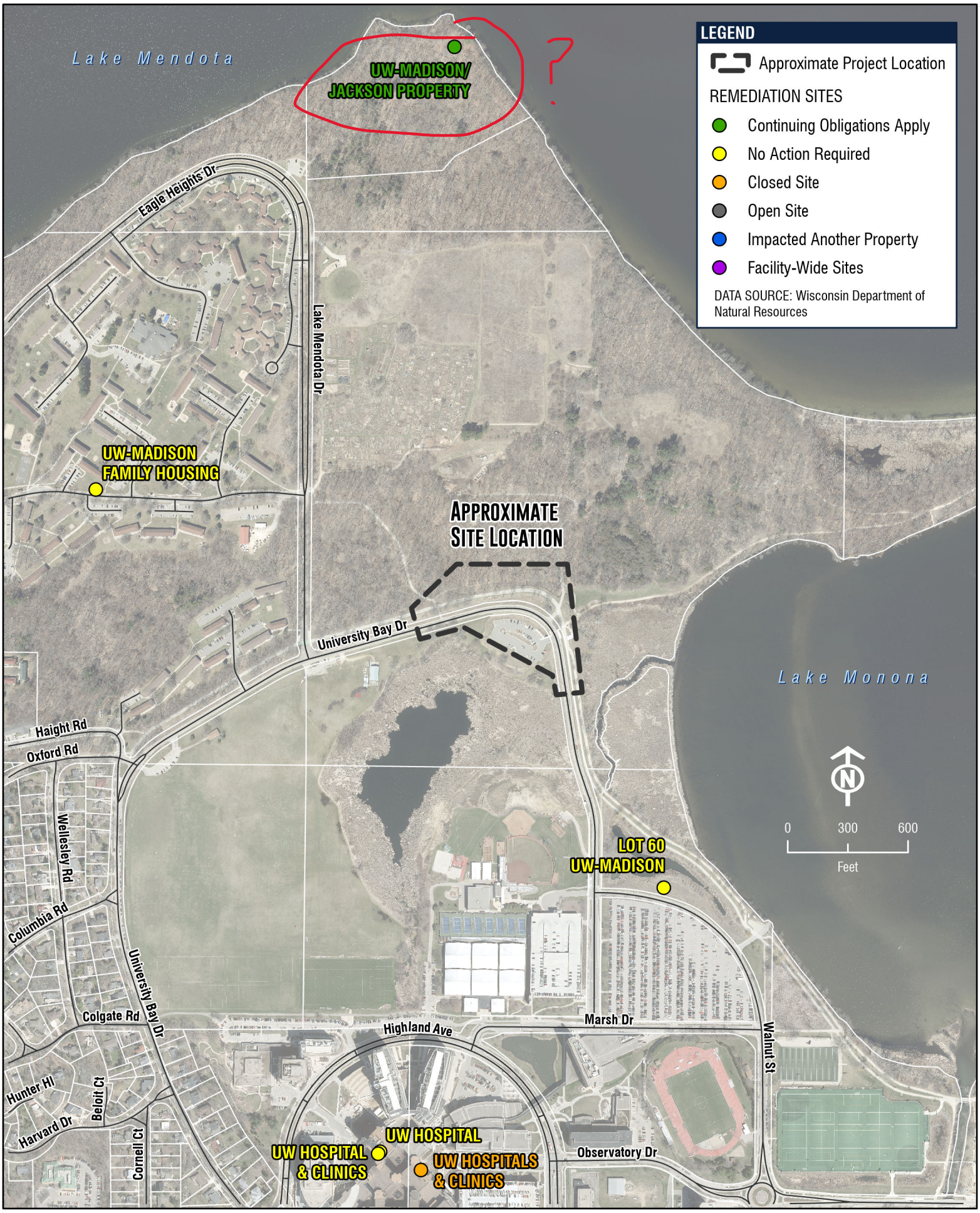


Figure 8 - Wetlands

2000 University Bay Drive · Madison, Wisconsin

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.19.2024



AYRES

Figure 9 - Remediation Sites

2000 University Bay Drive · Madison, Wisconsin

WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

AYRES ASSOCIATES
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
Project 23-1825.71 • 3.20.2024

Appendix G

Environmental Database Search Data

DATABASE REPORT

Project Property:	*Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison* *Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison* *Madison WI*
Project No:	*23-1825.81*
Report Type:	*Database Report*
Order No:	*24030700763*
Requested by:	*Ayres Associates Inc.*
Date Completed:	*March 12, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison* *Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison Madison WI*
Project No:	*23-1825.81*

Coordinates:

Latitude:	*43.08503*
Longitude:	*-89.4293962*
UTM Northing:	*4,773,121.90*
UTM Easting:	*302,253.13*
UTM Zone:	*16T*

Elevation: *857 FT*

Order Information:

Order No:	*24030700763*
Date Requested:	*March 7, 2024*
Requested by:	*Ayres Associates Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
NEPA Report	*NEPA Report*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	**1**	**1**
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
WDS	Y	0.5	0	0	0	0	-	0
HIST LF	Y	0.5	0	0	**1**	0	-	**1**
SHWIMS	Y	0.25	0	0	**1**	-	-	**1**
LUST	Y	0.5	0	0	0	0	-	0
LAST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	**1**	-	-	**1**
AST	Y	0.25	0	0	**2**	-	-	**2**
DEL STORAGE TANK	Y	0.25	0	0	0	-	-	0
CRS	Y	0.5	0	0	0	0	-	0
AUL	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
BEAP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BSA PROJECTS	Y	0.5	0	0	0	0	-	0
BGP	Y	0.5	0	0	0	0	-	0
ERP	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County databases were selected to be included in the search.***							

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	0	-	-	-	0
AGSPILLS	Y	0.125	0	0	-	-	-	0
AG SPILL REMED	Y	0.25	0	0	0	-	-	0
BRRTS	Y	PO	0	-	-	-	-	0
DELISTED BRRT	Y	0.5	0	0	0	0	-	0
PFAS CONTAM	Y	0.5	0	0	0	0	-	0
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
DRYC REM	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYC REM	Y	0.25	0	0	0	-	-	0
LIENS	Y	PO	0	-	-	-	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		0	0	**5**	0	**1**	**6**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SHWIMS	UNIVERSITY BAY LF	W OF PICNIC PT ENTR & UNIV BAY MADISON WI	SE	0.16 / 822.94	-7	17
1	HIST LF	UNIVERSITY BAY LF	WI	SE	0.16 / 822.94	-7	17
2	AST	Madison Water Utility Well #19	1525 Lake Mendota Dr Madison WI 53705	W	0.22 / 1,149.17	14	17
			License No: 443590 ***Tank ID | Tank Status | Install Date:*** 12933 | In Use | 6/10/2002 12:00:00 AM				
3	UST	FRAUTSCHI POINT - UW FOUNDATION	1601 Lake Mendota Dr Madison WI 53705	WNW	0.24 / 1,246.63	51	18
			License No: 130873 ***Tank ID | Tank Status | Install Date:*** 273124 | Closed/Removed |				
3	AST	FRAUTSCHI POINT - UW FOUNDATION	1601 Lake Mendota Dr Madison WI 53705	WNW	0.24 / 1,246.63	51	19
			License No: 130873 ***Tank ID | Tank Status | Install Date:*** 670228 | Closed/Removed |				
4	RCRA CORRACTS	UNIVERSITY OF WISCONSIN HERRICK DR STRG	2120 HERRICK DR MADISON WI 53706	SSE	0.77 / 4,039.64	0	20
			EPA Handler ID: WID981001787				

Executive Summary: Summary by Data Source

Standard

Federal

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Oct 2, 2023 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNIVERSITY OF WISCONSIN HERRICK DR STRG	2120 HERRICK DR MADISON WI 53706 ***EPA Handler ID**: WID981001787*	SSE	0.77 / 4,039.64	4

State

HIST LF - Solid Waste - Landfills and Historic Waste Sites

A search of the HIST LF database, dated Sep 13, 2023 has found that there are 1 HIST LF site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNIVERSITY BAY LF	WI	SE	0.16 / 822.94	1

SHWIMS - Solid & Hazardous Waste Information Management System

A search of the SHWIMS database, dated Jan 10, 2024 has found that there are 1 SHWIMS site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNIVERSITY BAY LF	W OF PICNIC PT ENTR & UNIV BAY MADISON WI	SE	0.16 / 822.94	1

UST - Underground Storage Tanks

A search of the UST database, dated Jan 16, 2024 has found that there are 1 UST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FRAUTSCHI POINT - UW FOUNDATION	1601 Lake Mendota Dr Madison WI 53705 ***License No**: 130873* ***Tank ID* | *Tank Status* | *Install Date**: 273124* | *Closed/Removed* |	WNW	0.24 / 1,246.63	3

AST - Aboveground Storage Tanks

A search of the AST database, dated Jan 16, 2024 has found that there are 2 AST site(s) within approximately 0.25miles of the project property.

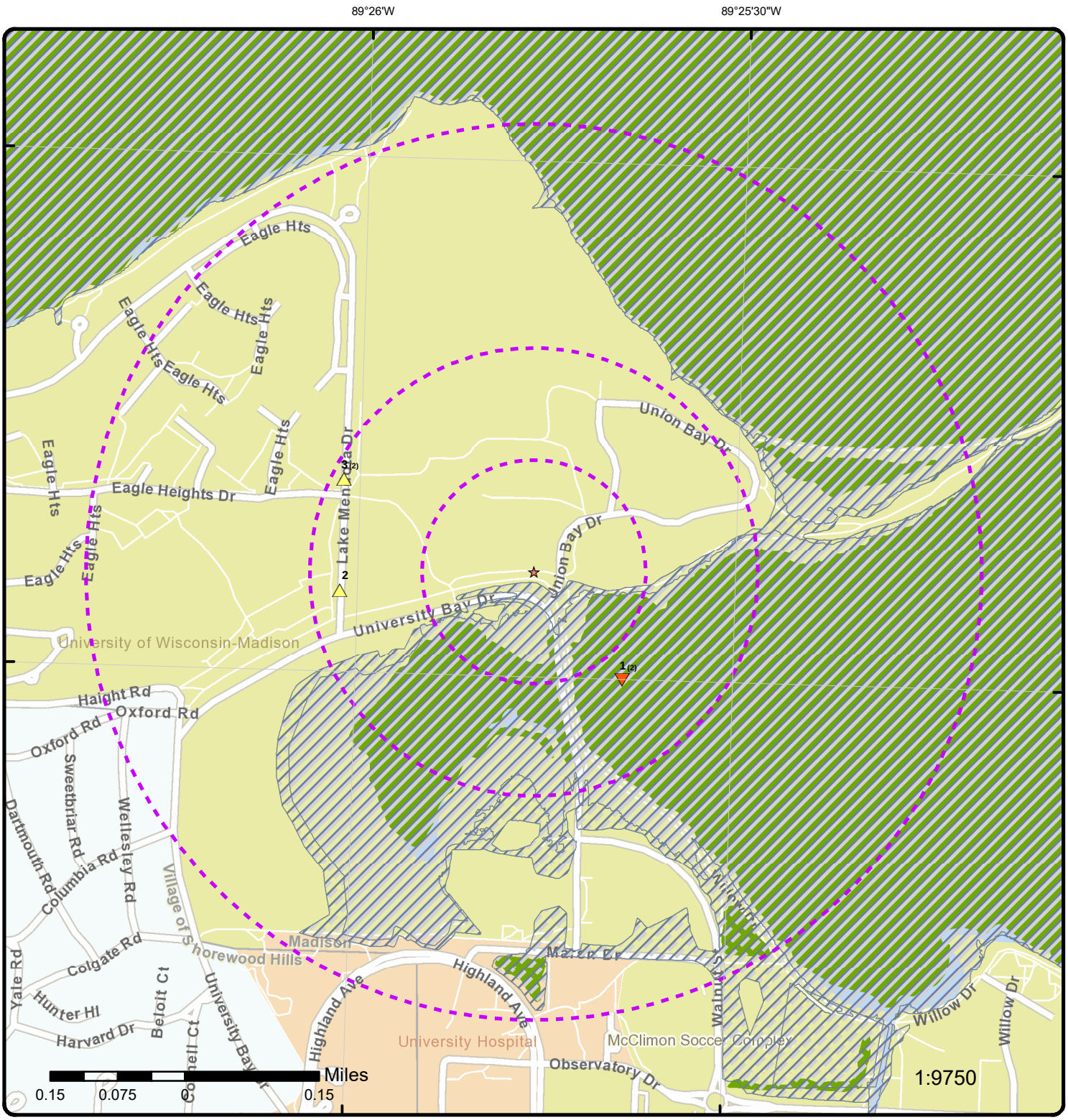
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Madison Water Utility Well #19	1525 Lake Mendota Dr Madison WI 53705	W	0.22 / 1,149.17	2
	***License No**: 443590* ***Tank ID**	**Tank Status**	**Install Date**: 12933 | In Use | 6/10/2002 12:00:00 AM*		
FRAUTSCHI POINT - UW FOUNDATION	1601 Lake Mendota Dr Madison WI 53705	WNW	0.24 / 1,246.63	3
	***License No**: 130873* ***Tank ID**	**Tank Status**	**Install Date**: 670228 | Closed/Removed |*		

Map: 1.0 Mile Radius

Order Number: 24030700763

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison, Madisc

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

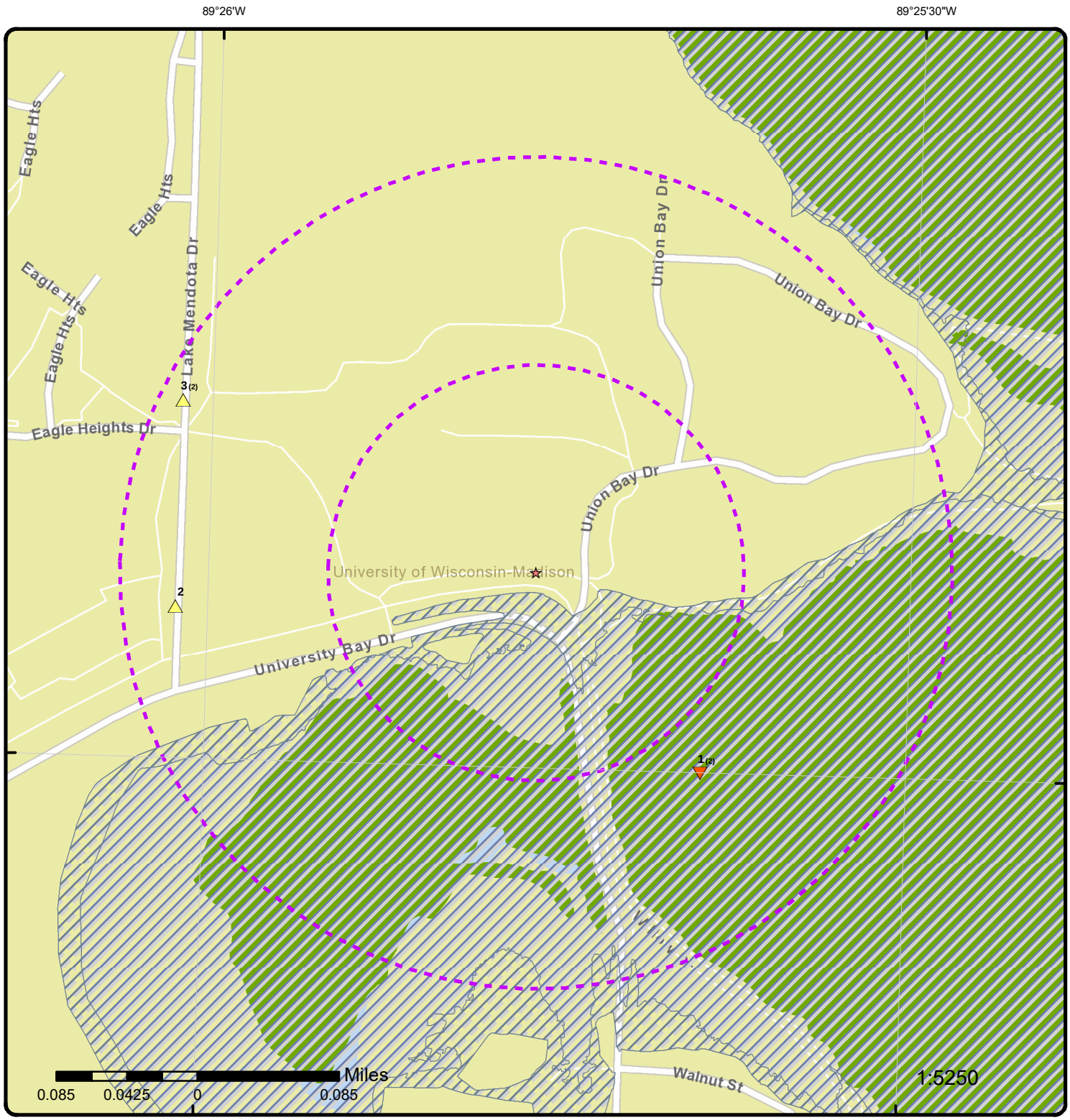


Map: 0.5 Mile Radius

Order Number: 24030700763

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison, Madisc

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.25 Mile Radius

Order Number: 24030700763

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison, Madisc

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Aerial **Year: 2018**

Order Number: 24030700763

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin – M

Source: ESRI World Imagery

Topographic Map

Year: 2018

Order Number: 24030700763

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin – M

Quadrangle(s): Madison West WI

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of2	SE	0.16 / 822.94	850.22 / -7	UNIVERSITY BAY LF W OF PICNIC PT ENTR & UNIV BAY MADISON WI	SHWIMS

FID: 113346860
Status: CLOSED
Activity Type: SW Landfills Disposal Facilities; SW Miscellaneous Activities; Waste Registry Site
County: DANE
Region: SOUTH CENTRAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of2	SE	0.16 / 822.94	850.22 / -7	UNIVERSITY BAY LF WI	HIST LF

Site ID: 14375200
Facility ID: 113346860
Facility Status: Closed
Object ID: 5125

Details

WM Act UID: 14375200135
Feat Type: CEN100
Act Status: Inactive
Activity Code: 135
Landfill Type:
License/Mon ID: 0
License Status:
Short Name: WSTREGSITE
Comment: Center of Poly
Monitoring Requird:
QA Reviewer Date: January 11,2018
QA Review User ID: BERTHE
Last Update Date:
Last Updat User ID:
Orig Hrz Coll Date: January 11,2018
Orig Hrz Coll Name: BERTHE

WM Act UID: 14375200070
Feat Type: CEN100
Act Status: Inactive
Activity Code: 070
Landfill Type:
License/Mon ID: 0
License Status:
Short Name: LF-UNCLASS
Comment: Center of Poly
Monitoring Requird:
QA Reviewer Date: January 11,2018
QA Review User ID: BERTHE
Last Update Date:
Last Updat User ID:
Orig Hrz Coll Date: January 11,2018
Orig Hrz Coll Name: BERTHE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of1	W	0.22 / 1,149.17	871.49 / 14	Madison Water Utility Well #19 1525 Lake Mendota Dr Madison WI 53705	AST

License No: 443590
Facility Ref No: 643576|664700
Fire Department ID: 1301
License Type: Registration
License: Storage Tank Registration
Licensee: Madison Gas & Electric Company
Expiration Date:
Fire Department Nm: Madison
Municipality Name: City of Madison
Property County: Dane County

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	12933	**Federally Regulated:**	No
Tank Reference No:	919879|	**Leak Detection:**	Visual Monitoring
Equipment Wang ID:		**Leak Test Method:**	
CAS No:		**Contain Sump Install:**	No
Tank Status:	In Use	**Dispen Sump Install:**	No
Tank Type:	Aboveground Storage Tank	**Marketer:**	No
Tank Contents:	Diesel	**Spill Protection:**	Installed
Tank Occupancy:	Optional Standby Gen	**Overfill Protection:**	Not Installed
Install Date:	6/10/2002 12:00:00 AM	**Overfill Protect Type:**	Not Installed
Capacity:	480.00	**Corrosion Protect Ty:**	Not Applicable
Construction Material:	Bare Steel	**Date of Lining:**	
Wall Size:	Double	**Lining Inspect Date:**	

Piping Details

Related Tank ID:	155481	**UST Manifolded:**	No
Status:	In Use	**Flex Connector:**	No
Type:	Piping (Storage Tank)	**Leak Test Method:**	
System Type:		**Leak Detection:**	
Wall Type:		**Corrosion Protection:**	
Construction Material:	Bare Steel	**Latest Test Name:**	
Catastrop Leak Detn:		**Latest Test Date:**	
Aboveground Piping:	Yes	**Latest Test Expire Dt:**	
Underground Piping:	No		

MyDATCP Storage Tank Search - Tank Details

Tank ID:	12933	**Corrosion Protect Ty:**	Not Applicable
Wang ID:		**Overfill Protect Type:**	Not Installed
CAS No:		**Construction Material:**	Bare Steel
Tank Status:	In Use	**Capacity in Gallons:**	480
Install Date:	06/10/2002	**Marketer:**	No
Tank Type:	Aboveground Storage Tank	**Spill Protection:**	Installed
Tank Occupancy:	Optional Standby Gen	**Date of Lining:**	
Wall Type:	Double	**Contents:**	Diesel
Federally Regulated:	No	**Overfill Protection:**	Not Installed
Leak Detection:	Visual Monitoring	**Lining Inspect Date:**	
Leak Test Method:		**Underground Piping:**	No
Contain Sump Install:	No		

MyDATCP Storage Tank Search - Owner Details

Site Anniversary Date:	
Owner Name:	Madison Gas & Electric Company
Owner Address1:	133 S Blair St
Owner Address2:	
Owner City:	Madison
Owner State:	WI
Owner Zip:	53701-1231

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of2	WNW	0.24 / 1,246.63	908.08 / 51	FRAUTSCHI POINT - UW FOUNDATION 1601 Lake Mendota Dr Madison WI 53705	UST

License No:	130873	**Expiration Date:**	
Facility Ref No:	130873|130873	**Fire Department Nm:**	Madison
Fire Department ID:	1301	**Municipality Name:**	
License Type:	Registration	**Property County:**	Dane County
License:	Storage Tank Registration		
Licensee:	UNIVERSITY OF WISCONSIN FOUNDATION		

Tank Details

Tank ID:	273124	**Federally Regulated:**	Yes
Tank Reference No:	273124|130102550	**Leak Detection:**	Unknown
Equipment Wang ID:	130102550	**Leak Test Method:**	
CAS No:		**Contain Sump Install:**	
Tank Status:	Closed/Removed	**Dispen Sump Install:**	No
Tank Type:	Underground Storage Tank	**Marketer:**	No
Tank Contents:	Leaded Gasoline	**Spill Protection:**	Not Installed
Tank Occupancy:	Bulk Plant Storage	**Overfill Protection:**	Not Installed
Install Date:		**Overfill Protect Type:**	Not Installed
Capacity:	300.00	**Corrosion Protect Ty:**	
Construction Material:	Bare Steel	**Date of Lining:**	
Wall Size:		**Lining Inspect Date:**	

Pipe Details

Related Tank ID:		**UST Manifolded:**	
Status:		**Flex Connector:**	
Type:		**Leak Test Method:**	
System Type:		**Leak Detection:**	
Wall Type:		**Corrosion Protection:**	
Construction Material:		**Latest Test Name:**	
Catastrop Leak Detn:		**Latest Test Date:**	
Aboveground Piping:	No	**Latest Test Expire Dt:**	
Underground Piping:	No		

MyDATCP Storage Tank Search - Tank Details

Tank ID:	273124	**Corrosion Protect Ty:**	
Wang ID:	130102550	**Overfill Protect Type:**	Not Installed
CAS No:		**Construction Material:**	Bare Steel
Tank Status:	Closed/Removed as of 1990-07-04	**Capacity in Gallons:**	300
Install Date:		**Marketer:**	No
Tank Type:	Underground Storage Tank	**Spill Protection:**	Not Installed
Tank Occupancy:	Bulk Plant Storage	**Date of Lining:**	
Wall Type:		**Contents:**	Leaded Gasoline
Federally Regulated:	Yes	**Overfill Protection:**	Not Installed
Leak Detection:	Unknown	**Lining Inspect Date:**	
Leak Test Method:		**Underground Piping:**	No
Contain Sump Install:			

MyDATCP Storage Tank Search - Owner Details

Site Anniversary Date:	
Owner Name:	University Of Wisconsin Foundation
Owner Address1:	1848 University Ave
Owner Address2:	
Owner City:	Madison
Owner State:	WI
Owner Zip:	53726-4090

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of2	WNW	0.24 / 1,246.63	908.08 / 51	FRAUTSCHI POINT - UW FOUNDATION 1601 Lake Mendota Dr Madison WI 53705	AST

License No:	130873	**Expiration Date:**	
Facility Ref No:	130873|130873	**Fire Department Nm:**	Madison
Fire Department ID:	1301	**Municipality Name:**	
License Type:	Registration	**Property County:**	Dane County
License:	Storage Tank Registration		
Licensee:	University Of Wisconsin Foundation		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	670228	***Federally Regulated:***	No
Tank Reference No:	670228|	***Leak Detection:***	
Equipment Wang ID:		***Leak Test Method:***	
CAS No:		***Contain Sump Install:***	
Tank Status:	Closed/Removed	***Dispen Sump Install:***	No
Tank Type:	Aboveground Storage Tank	***Marketer:***	No
Tank Contents:	Fuel Oil	***Spill Protection:***	Not Installed
Tank Occupancy:	Mercantile/Commercial	***Overfill Protection:***	Not Installed
Install Date:		***Overfill Protect Type:***	Not Installed
Capacity:	500.00	***Corrosion Protect Ty:***	
Construction Material:	Bare Steel	***Date of Lining:***	
Wall Size:		***Lining Inspect Date:***	

Piping Details

Related Tank ID:		***UST Manifolded:***	
Status:		***Flex Connector:***	
Type:		***Leak Test Method:***	
System Type:		***Leak Detection:***	
Wall Type:		***Corrosion Protection:***	
Construction Material:		***Latest Test Name:***	
Catastrop Leak Detn:		***Latest Test Date:***	
Aboveground Piping:	No	***Latest Test Expire Dt:***	
Underground Piping:	No		

MyDATCP Storage Tank Search - Tank Details

Tank ID:	670228	***Corrosion Protect Ty:***	
Wang ID:		***Overfill Protect Type:***	Not Installed
CAS No:		***Construction Material:***	Bare Steel
Tank Status:	Closed/Removed as of 2000-05-29	***Capacity in Gallons:***	500
Install Date:		***Marketer:***	No
Tank Type:	Aboveground Storage Tank	***Spill Protection:***	Not Installed
Tank Occupancy:	Mercantile/Commercial	***Date of Lining:***	
Wall Type:		***Contents:***	Fuel Oil
Federally Regulated:	No	***Overfill Protection:***	Not Installed
Leak Detection:		***Lining Inspect Date:***	
Leak Test Method:		***Underground Piping:***	No
Contain Sump Install:			

MyDATCP Storage Tank Search - Owner Details

Site Anniversary Date:	
Owner Name:	University Of Wisconsin Foundation
Owner Address1:	1848 University Ave
Owner Address2:	
Owner City:	Madison
Owner State:	WI
Owner Zip:	53726-4090

4	***1 of1***	***SSE***	***0.77 / 4,039.64***	***857.53 / 0***	***UNIVERSITY OF WISCONSIN HERRICK DR STRG 2120 HERRICK DR MADISON WI 53706***	***RCRA CORRACTS***

EPA Handler ID:	WID981001787
Gen Status Universe:	No Report
Contact Name:	
Contact Address:	
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	

County Name: DANE
EPA Region: 05
Land Type: State
Receive Date: 20090603
Location Latitude: 43.075552
Location Longitude: -89.422593

Event/Area Details

Area Name: ENTIRE FACILITY
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20090618
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090618
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA075LO
Corrective Action Event Descri: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event: 19910927
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19910927
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA550RC
Corrective Action Event Descri: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event: 19921228
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19921228
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA750YE
Corrective Action Event Descri: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20090618
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090618
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA800YE
Corrective Action Event Descri: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE
Actual Date of Event: 20210623
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20210623

Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA400
Corrective Action Event Descri: REMEDY DECISION
Actual Date of Event: 19921228
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19921228
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 19921228
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19921228
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA100
Corrective Action Event Descri: INVESTIGATION IMPOSITION
Actual Date of Event: 19910219
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19910219
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA999
Corrective Action Event Descri: CA PROCESS IS TERMINATED
Actual Date of Event: 19921228
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19921228
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA070NO
Corrective Action Event Descri: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY
Actual Date of Event: 19880511
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19880511
Groundwater Release Indicator: Yes
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:

Event Responsible Agency:	E
Area Name:	ENTIRE FACILITY
Event Code:	CA050
Corrective Action Event Descri:	RFA COMPLETED
Actual Date of Event:	19880511
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	19880511
Groundwater Release Indicator:	Yes
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	E

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Oct, 2023.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	TSD - Preparedness and Prevention
Violation Type:	264.C
Violation Determined Date:	19990803
Scheduled Compliance Date:	19991218
Return to Compliance:	Documented
Actual Return to Compl:	20001128
Violation Responsible Agency:	EPA

Enforcement Details

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	19991118
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	EPA
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	TSD - Container Use and Management
Violation Type:	264.I
Violation Determined Date:	19990803
Scheduled Compliance Date:	19991218
Return to Compliance:	Documented
Actual Return to Compl:	20001128
Violation Responsible Agency:	EPA

Enforcement Details

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	19991118
Enf Disposition Status:	
Disposition Status Date:	

Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Conditions
Violation Type: 270.C
Violation Determined Date: 19990803
Scheduled Compliance Date: 19991218
Return to Compliance: Documented
Actual Return to Compl: 20001128
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19991118
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Application
Violation Type: 270.B
Violation Determined Date: 19900925
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 19921112
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 19911217
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount: 29610
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19920911
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount: 29610
Final Amount: 13680
Paid Amount: 13680

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19891116
Scheduled Compliance Date: 19900402
Return to Compliance: Observed
Actual Return to Compl: 19900417
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900302
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19890112
Scheduled Compliance Date: 19890702
Return to Compliance: Observed
Actual Return to Compl: 19900417
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19890601
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20010626
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 20010626
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000906
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000906
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 20000317
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990803
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990803
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Permits - Conditions
Return to Compliance Date: 20001128
Evaluation Agency: EPA

Evaluation Start Date: 19990803
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 20001128
Evaluation Agency: EPA

Evaluation Start Date: 19990803
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20001128
Evaluation Agency: EPA

Evaluation Start Date: 19990309
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19980508
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19980331
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970520
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19970520
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970326
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960911
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960911
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19960514
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19950822
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19941027
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19940127
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19940104
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921202
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921119
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921119
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19911106
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19911030
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19911030
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19910502
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19901213
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19901213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 19900925
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: Permits - Application
Return to Compliance Date: 19921112
Evaluation Agency: EPA

Evaluation Start Date: 19891116
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19900417
Evaluation Agency: EPA

Evaluation Start Date: 19891116
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890112
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: TSD - General
Return to Compliance Date: 19900417
Evaluation Agency: EPA

Evaluation Start Date: 19880225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19850408
Handler Name:	UNIVERSITY OF WISCONSIN HERRICK DR STRG
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19850408
Handler Name:	UNIVERSITY OF WISCONSIN HERRICK DR STRG
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Part A

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009

Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D012
Waste Code Description: ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Hazardous Waste Code: D013
Waste Code Description: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Hazardous Waste Code: D014
Waste Code Description: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

Hazardous Waste Code: D015
Waste Code Description: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

Hazardous Waste Code: D016
Waste Code Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Hazardous Waste Code: D017
Waste Code Description: 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)

Hazardous Waste Code: F027
Waste Code Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19850408
Handler Name: UNIVERSITY OF WISCONSIN HERRICK DR STRG
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009

Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D012
Waste Code Description:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
Hazardous Waste Code:	D013
Waste Code Description:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
Hazardous Waste Code:	D014
Waste Code Description:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
Hazardous Waste Code:	D015
Waste Code Description:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
Hazardous Waste Code:	D016
Waste Code Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Hazardous Waste Code:	D017
Waste Code Description:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D019
Waste Code Description:	CARBON TETRACHLORIDE
Hazardous Waste Code:	D020
Waste Code Description:	CHLORDANE
Hazardous Waste Code:	D021
Waste Code Description:	CHLOROBENZENE
Hazardous Waste Code:	D022
Waste Code Description:	CHLOROFORM
Hazardous Waste Code:	D023
Waste Code Description:	O-CRESOL
Hazardous Waste Code:	D024
Waste Code Description:	M-CRESOL
Hazardous Waste Code:	D025
Waste Code Description:	P-CRESOL
Hazardous Waste Code:	D027
Waste Code Description:	1,4-DICHLOROBENZENE
Hazardous Waste Code:	D028
Waste Code Description:	1,2-DICHLOROETHANE
Hazardous Waste Code:	D029
Waste Code Description:	1,1-DICHLOROETHYLENE
Hazardous Waste Code:	D030
Waste Code Description:	2,4-DINITROTOLUENE
Hazardous Waste Code:	D031
Waste Code Description:	HEPTACHLOR (AND ITS EPOXIDE)
Hazardous Waste Code:	D032
Waste Code Description:	HEXACHLOROBENZENE

Hazardous Waste Code: D033
Waste Code Description: HEXACHLOROBUTADIENE

Hazardous Waste Code: D034
Waste Code Description: HEXACHLOROETHANE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D037
Waste Code Description: PENTACHLOROPHENOL

Hazardous Waste Code: D038
Waste Code Description: PYRIDINE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: D041
Waste Code Description: 2,4,5-TRICHLOROPHENOL

Hazardous Waste Code: F027
Waste Code Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20020326
Handler Name: UNIVERSITY OF WISCONSIN HERRICK DR STRG
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20090603
Handler Name: UNIVERSITY OF WISCONSIN HERRICK DR STRG
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: State
Name: NAME NOT REPORTED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Part A
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Owner/Operator Ind: Current Owner
Type: State
Name: BD OR REGENTS UW SYSTEMS
Date Became Current:
Street No:
Street 1: 1800 VAN HISE HALL
Street 2:
City: MADISON

Date Ended Current:		**State:**	WI
Phone:	608-262-2324	**Country:**	
Source Type:	Notification	**Zip Code:**	53706

Historical Handler Details

Receive Dt:	20020326
Generator Code Description:	Not a Generator, Verified
Handler Name:	UNIVERSITY OF WISCONSIN HERRICK DR STRG

Receive Dt:	19850408
Generator Code Description:	Large Quantity Generator
Handler Name:	UNIVERSITY OF WISCONSIN HERRICK DR STRG

Receive Dt:	19850408
Generator Code Description:	Not a Generator, Verified
Handler Name:	UNIVERSITY OF WISCONSIN HERRICK DR STRG

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Nov 14, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Nov 14, 2023

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 2, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Oct 2, 2023

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 2, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 2, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Oct 2, 2023

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Oct 26, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Feb 20, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Mar 13, 2023

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Sep 20, 2023

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Sep 22, 2023

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Nov 14, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 26, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

Hazard Ranking List: SHWS

Last published in 1994, this is a list of sites which were investigated by the Department of Natural Resources (DNR) under the Wisconsin Environmental Repair Law. Hazard ranking of a site or facility was performed to determine if the site or facility presents a substantial danger to the public health, or welfare, or the environment. The DNR Bureau for Remediation and Redevelopment now maintains other programs for the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. This database is state equivalent CERCLIS.

Government Publication Date: July 1994

Licensed Solid Waste Landfills: SWF/LF

List of licensed solid waste landfills in the state of Wisconsin as recorded by the Department of Natural Resources (DNR). The DNR regulates landfills to prevent negative impacts to people and the environment. DNR staff inspect landfills regularly.

Government Publication Date: Dec 5, 2023

The Historic Registry of Waste Disposal Sites: WDS

Prior to development of on-line databases, the Wisconsin Department of Natural Resources (DNR) provided public information about old waste disposal facilities in a printed publication called the Historic Registry of Waste Disposal Sites (the "Registry").

Government Publication Date: Jul 22, 2013

Solid Waste - Landfills and Historic Waste Sites: HIST LF

A list of active and inactive solid waste landfills and known historic waste sites available through the Wisconsin Department of Natural Resources' Open Data Portal. This list is based on the known or inferred limits of waste found in the 'Solid Waste - Landfills and Historic Waste Site Extents' dataset.

Government Publication Date: Sep 13, 2023

Solid & Hazardous Waste Information Management System: SHWIMS

List of sites and facilities in the Solid and Hazardous Waste Information System (SHWIMS) regulated by the Wisconsin Department of Natural Resources (DNR) Waste and Materials Management (WMM) program. Activities that occur at site facilities include landfill operation, waste transportation, hazardous waste generation, wood burning, waste processing, sharps collection and many more.

Government Publication Date: Jan 10, 2024

Leaking Underground Storage Tanks: LUST

A list of Leaking Underground Storage Tank (LUST) sites as recorded by the Wisconsin Department of Natural Resources (DNR). When petroleum products are released from underground tanks into the soil or groundwater, the DNR will work with the responsible party and environmental professionals to clean up the spill to state standards. This LUST site listing is sourced from the Bureau for Remediation and Redevelopment Tracking System (BRRTS) database and Open Data Portal applicable file/s provided by the DNR.

Government Publication Date: Feb 9, 2024

Leaking Aboveground Storage Tanks: LAST

List of Leaking Aboveground Storage Tank (LAST) sites as recorded by the Department of Natural Resources (DNR). When petroleum products are released from tanks into the soil or groundwater, the DNR will work with the responsible party and environmental professionals to clean up the spill to state standards.

Government Publication Date: Feb 9, 2024

Delisted Leaking Tanks: DELISTED LST

This database contains a list of closed leaking tank sites that were removed from the leaking tank database regulated by the Storage Tank Regulation Section of the Wisconsin Department of Natural Resources.

Government Publication Date: Feb 9, 2024

Underground Storage Tanks: UST

List of Underground Storage Tank (UST) locations. The Bureau of Weights and Measures, operating under the Department of Agriculture, Trade and Consumer Protection is responsible for the administration and regulation of the Wisconsin Administrative Code ATCP 93 - Flammable and Combustible Liquids.

Government Publication Date: Jan 16, 2024

Aboveground Storage Tanks: AST

List of Aboveground Storage Tank (AST) locations. The Bureau of Weights and Measures, operating under the Department of Agriculture, Trade and Consumer Protection is responsible for the administration and regulation of the Wisconsin Administrative Code ATCP 93 - Flammable and Combustible Liquids.

Government Publication Date: Jan 16, 2024

Delisted Storage Tanks: DEL STORAGE TANK

This database contains a list of closed storage tank sites that were removed from the storage tank database regulated by the Storage Tank Regulation Section of the Wisconsin Department of Agriculture, Trade, and Consumer Protection.

Government Publication Date: Jan 16, 2024

Closed Remediation Sites: CRS

This list of closed environmental remediation sites is provided by the Wisconsin Department of Natural Resources (WI DNR). The listing includes Environmental Repair Program (ERP) and Leaking Underground Storage Tank (LUST) sites where contamination affected soil, groundwater or other media, but the DNR has determined, based on information available at the time, that no further remedial action is required. A "site" is a contamination incident, not a property. A site may be smaller than a property or may include more than one property.

Government Publication Date: Oct 27, 2023

Deed Restriction at Closeout Sites: AUL

List of sites for which a deed restriction is recorded at the Register of Deeds office. Deed restrictions limit property use or outline requirements for actions prior to future use. Deed restrictions are applied in cases where there is known soil contamination that is impracticable to remove, or an engineering requirement or NR270 industrial standards are in place.

Government Publication Date: Feb 9, 2024

Voluntary Party Liability Exemption Sites: VCP

List of sites which have participated in the Voluntary Party Liability Exemption (VPLE) program, an elective environmental cleanup program administered by the Wisconsin Department of Natural Resources (DNR), and received an exemption from future environmental liability. Any individual, business or unit of government that conducts an environmental investigation and cleanup of a contaminated property - following state requirements with the oversight of DNR staff - can receive an exemption from future environmental liability. With some restrictions, most properties that have had a discharge of a hazardous substance are eligible for VPLE.

Government Publication Date: Feb 9, 2024

Brownfields Environmental Assessment Program: BEAP

List of sites which participated in the Brownfields Environmental Assessment Program (BEAP) - a federal program that assisted municipalities with Environmental Site Assessments (ESAs) for tax delinquent or bankrupt properties, or properties a local government acquired for redevelopment. Site assessments to determine property contamination were conducted by the Department of Natural Resources staff.

Government Publication Date: Feb 9, 2024

Brownfields Listing: BROWNFIELDS

The Department of Natural Resource (DNR)'s Remediation and Redevelopment program has a wide range of financial and liability tools available to assist local governments, businesses, lenders and others to clean up and redevelop brownfields in Wisconsin. DNR describes brownfields as abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfield properties present public health, economic, environmental and social challenges to the rural and urban communities in which they are located.

Government Publication Date: Feb 9, 2024

Brownfield Site Assessment Grant Projects: BSA PROJECTS

In 2012, the Brownfield Site Assessment Grant (SAG) program was transferred to the Wisconsin Economic Development Corporation (WEDC), this was previously a financial tool of the Wisconsin Department of Natural Resources (DNR). This grant program helps local governments conduct initial activities and investigations at properties with known or suspected environmental contamination. The awarded grant funds cannot be used for environmental cleanup activities. Applicants must meet the eligibility definition outlined in s.292.75(1)(a), Wisconsin Statutes: "'Eligible site or facility' means one or more contiguous industrial or commercial facilities or sites with common or multiple ownership that are abandoned, idle, or underused, the expansion or redevelopment of which is adversely affected by actual or perceived environmental contamination." This listing includes the current WDEC SAG projects, the final DNR Round 11 and 12 SAG DNR projects. The Round 12 SAG projects were tracked by the DNR, but not funded by the DNR since the SAG program was vetoed out of the budget.

Government Publication Date: Sep 30, 2015

Brownfields Grant Program Sites: BGP

This list of Brownfield Grant Program sites is provided by the Wisconsin Economic Development Corporation. The Wisconsin Brownfield Program provides grant funds to assist local governments, businesses and individuals with assessing and remediating the environmental contamination of an abandoned, idle or underused industrial or commercial facility or site. This program will help convert contaminated sites into productive properties that are attractive and ready for redevelopment.

Government Publication Date: Jun 30, 2022

Environmental Repair: ERP

Environmental Repair Program sites are those other than Leaking Underground Storage Tanks (LUSTs) that have contaminated soil and/or groundwater. Examples include industrial spills (or dumping) that need long term investigation, buried containers of hazardous substances, and closed landfills that have caused contamination. This ERP site listing is sourced from the Bureau for Remediation and Redevelopment Tracking System (BRRTS) database and Open Data Portal applicable file/s provided by the Wisconsin Department of Natural Resources (DNR).

Government Publication Date: Feb 9, 2024

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Wisconsin, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 17, 2023

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Wisconsin, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 17, 2023

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 25, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 25, 2023

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Nov 15, 2023

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 8, 2023

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 18, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to September 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Sep 5, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: May 19, 2023

National Response Center PFAS Spills: ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Jan 24, 2024

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Feb 25, 2024

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 4, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Nov 26, 2023

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Jul 26, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).
Government Publication Date: Jan 26, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
Government Publication Date: Aug 26, 2023

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jan 20, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Nov 6, 2023

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 30, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 30, 2023

State

Spills: SPILLS

A list of spill events reported to the Wisconsin Department of Natural Resources (DNR). The DNR describes a spill as a discharge of a hazardous substance that may adversely impact, or threaten to impact public health, welfare or the environment. This spills listing is sourced from the Bureau for Remediation and Redevelopment Tracking System (BRRTS) database and Open Data Portal applicable file/s provided by the DNR.

Government Publication Date: Feb 9, 2024

Wisconsin Agricultural Spills Boundaries: AGSPILLS

Boundaries of agricultural spill sites reported to the Wisconsin Department of Agriculture, Trade and Consumer Protection. The Agricultural Chemical Cleanup Program (ACCP) is in place to identify and manage pesticide and fertilizer spills to prevent these products from reaching the groundwater. Once a site has been identified as requiring remediation, the ACCP provides reimbursement for eligible costs incurred by the responsible person.

Government Publication Date: Nov 30, 2023

Wisconsin Agricultural Spills - Remediation Locations: AG SPILL REMED

List of agricultural spill site remediation locations made available by the Wisconsin Department of Agriculture, Trade and Consumer Protection. The Agricultural Chemical Cleanup Program (ACCP) is in place to identify and manage pesticide and fertilizer spills to prevent these products from reaching the groundwater. Once a site has been identified as requiring remediation, the ACCP provides reimbursement for eligible costs incurred by the responsible person.

Government Publication Date: Nov 30, 2023

Wisconsin Bureau for Remediation and Redevelopment Tracking System: BRRTS

The Wisconsin Bureau for Remediation and Redevelopment Tracking System (BRRTS) contains information on the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. This database includes: sites where an abandoned container with potentially hazardous contents has been inspected and recovered, and no known discharge to the environment has occurred; sites where there was, or may have been, a discharge to the environment and, based on the known information, the Department of Natural Resources (DNR) has determined that the responsible party does not need to undertake an investigation or cleanup in response to that discharge; materials management sites that receive contaminated soil from other properties; and sites which have been removed from the tracking system and archived.

Government Publication Date: Feb 9, 2024

Delisted BRRT: DELISTED BRRT

The Wisconsin Bureau for Remediation and Redevelopment Tracking System (BRRTS) maintained by the Wisconsin Department of Natural Resources contains information on the investigation and cleanup of potential and confirmed contamination to soil and groundwater in Wisconsin. Sites and site details are removed from the data made available to the public when the source of contamination is unclear and an investigation to determine the source of contamination is in progress.

Government Publication Date: Oct 27, 2015

Per- and Polyfluoroalkyl Substances (PFAS): PFAS CONTAM

List of sites at which the Wisconsin Department of Natural Resources (DNR) has determined further action is required due to confirmed per- and polyfluoroalkyl (PFAS) contamination. DNR advises that the information as presented may be incomplete and is subject to change as new information becomes available.

Government Publication Date: Feb 9, 2024

Municipal System PFAS Sampling: PFAS SAMPLING

List of sample points where municipal water supply is impacted by per- and polyfluoroalkyl substances (PFAS). Listing made available by the Wisconsin Department of Natural Resources (DNR).

Government Publication Date: Nov 9, 2022

Dry Cleaner Environmental Response Fund: DRYC REM

A list of facilities enrolled in the Dry Cleaner Environmental Response Fund (DERF) or have a reported historical use as a dry cleaning facility. This is only a listing of known remediation sites with a cleanup of contamination that may be related to dry cleaning substances. The Remediation & Redevelopment Program does not regulate or license Dry Cleaning Facilities The "status" provided in this list is only in regards to the cleanup and not the operations of the facility.

Government Publication Date: Oct 26, 2023

Five Star Recognition Program Sites: DRYCLEANERS

The purpose of Wisconsin's Five Star Environmental Recognition Program for Drycleaners was to encourage drycleaners to become more environmentally-friendly. The program was divided into five different star categories, with the ultimate goal being to achieve the Five Star status. The program was sponsored by the Wisconsin Fabricare Institute (WFI), in cooperation with the Department of Natural Resources, the Department of Commerce, the University of Wisconsin Extension-Solid and Hazardous Waste Education Center and the Center for Neighborhood Technology. WFI discontinued the program on Jan 1, 2013

Government Publication Date: Jan 1, 2013

Delisted Dry Cleaner Environmental Response Fund: DELISTED DRYC REM

Sites which once appeared on - but have since been removed from - the list of sites in the Dry Cleaner Environmental Response Fund Program made available by the Wisconsin Department of Natural Resources (DNR). The Dry Cleaner Environmental Response Fund Program reimburses dry cleaners for the investigation and clean up of the release of chemicals used in dry cleaning.

Government Publication Date: Oct 26, 2023

Liens and Notices of Contamination: LIENS

A list of sites with liens and notices of contamination. This list is made available by the Wisconsin Department of Natural Resources (DNR).

Government Publication Date: Mar 5, 2024

Tier 2 Report: TIER 2

A list of Tier 2 facilities in Wisconsin. This list is provided by the Wisconsin Emergency Management/ State Emergency Response Commission.

Government Publication Date: Jan 19, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

NEPA REPORT

Project Property:	*Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison*
	Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison
	Madison WI
Project No:	*23-1825.81*
Order No:	*24030700763*
Requested by:	*Ayres Associates Inc.*
Date Completed:	*March 11, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison* *Lakeshore Nature Preserve Outreach Center University of Wisconsin – Madison* *Madison WI*
Project No:	*23-1825.81*

Coordinates:

Latitude:	*43.08503*
Longitude:	*-89.4293962*
UTM Northing:	*4,773,121.90*
UTM Easting:	*302,253.13*
UTM Zone:	*16T*

Elevation: *857 FT*

Order Information:

Order No:	*24030700763*
Date Requested:	*March 7, 2024*
Requested by:	*Ayres Associates Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
NEPA Report	*NEPA Report*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.5 Mi	0.5 Mi to 1.5 Mi	Total	Total Unplottables
Special Status Species Report							
CRITICAL HABITATS	Y	1.5	0	0	0	0	0
* FWS COUNTY SPECIES	Y	1.5	0	0	0	**1**	**1**
* FWS STATE SPECIES	Y	1.5	0	0	0	**1**	**1**
***Please refer to the 'Species and Unplottable Summary' section for unplottable records and general Species lists.**							
FCC & FAA Report (Towers)							
AM TOWERS	Y	0.5	0	0	-	0	0
ANTENNAS	Y	0.5	0	0	-	0	0
CELL TOWERS	Y	0.5	0	0	-	0	0
DIGI OBSTACLES	Y	0.5	0	0	-	0	0
Sensitive Receptor Report							
US CEMETERIES	Y	0.5	0	0	-	0	0
HOSPITALS	Y	0.5	0	0	-	0	0
NCES PSEC SCHOOL	Y	0.5	0	0	-	0	0
NCES PRIV SCHOOL	Y	0.5	0	0	-	0	0
NCES PUBL SCHOOL	Y	0.5	0	0	-	0	0
NURSING HOMES	Y	0.5	0	0	-	0	0
WORSHIP PLACES	Y	0.5	0	0	-	0	0
Historical Sites Report							
NR HIST LNDMARK	Y	0.5	0	0	-	0	0
NR HIST PLACES	Y	0.5	0	**1**	-	**1**	**1**
AIAN LAND AREA	Y	0.5	0	0	-	0	0
USCB IND RESERV	Y	0.5	0	0	-	0	0
BIA TRIB LEADERS	Y	0.5	0	0	-	0	0
Natural Areas Report							
FWS APPROVED	Y	0.5	**1**	0	-	**1**	0

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.5 Mi	0.5 Mi to 1.5 Mi	Total	Total Unplottables
COASTAL BARRIER	Y	0.5	0	0	-	0	0
ACEC	Y	0.5	0	0	-	0	0
NATURAL LNDMARK	Y	0.5	0	0	-	0	0
RIVERS	Y	0.5	0	0	-	0	0
FWS REFUGES	Y	0.5	0	0	-	0	0
NWI							
US WETLAND	Y	0.5	0	0	-	**8**	0
FEMA							
FEMA FLOOD	Y	0.5	0	0	-	**3**	0
	Total:		**1**	**1**	0	**15**	**3**

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	
1	FWS APPROVED		US	W	0.00 / 0.00	77.76	Details

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	
2	NR HIST PLACES	College Hills Historic District	Roughly bounded by Colombia Rd., Amherst Dr., Bowdoin Rd., Corporate Limit, University Bay, and Harvard Dr. Shorewood Hills WI	WSW	0.42 / 2236.83	21.98	Details
	FEMA FLOOD		WI		/	0.00	Detail
	FEMA FLOOD		WI		/	0.00	Detail
	FEMA FLOOD		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail
	US WETLAND		WI		/	0.00	Detail

Historical Sites Report

NR HIST PLACES - National Register of Historic Places

A search of the NR HIST PLACES database, dated Jan 19, 2023 has found that there are 1 NR HIST PLACES site(s) within approximately 0.5 miles of the project property.

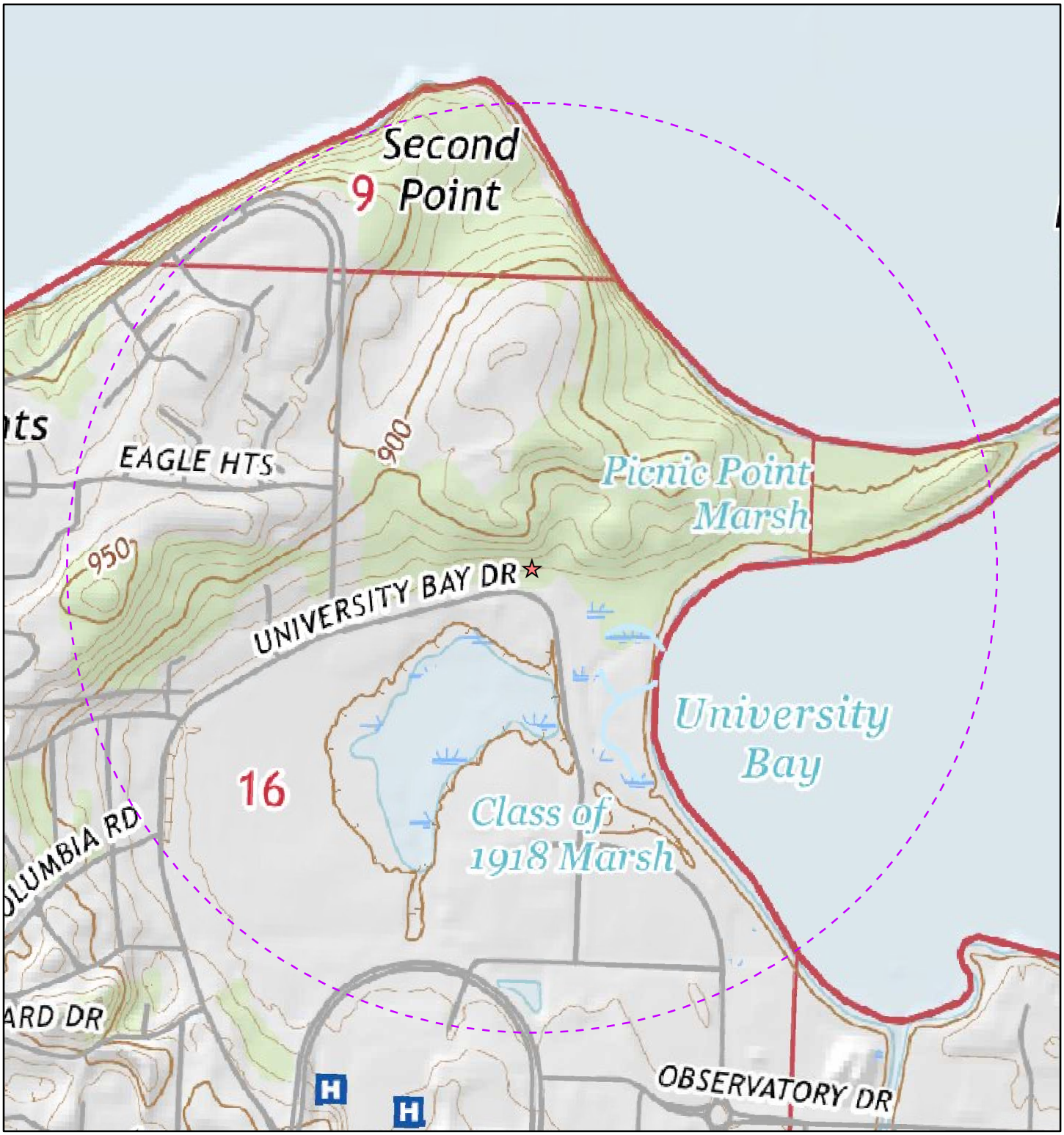
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
College Hills Historic District	Roughly bounded by Colombia Rd., Amherst Dr., Bowdoin Rd., Corporate Limit, University Bay, and Harvard Dr. Shorewood Hills WI	WSW	0.42 / 2236.83	2

Natural Areas Report

FWS APPROVED - Approved Acquisition Boundaries

A search of the FWS APPROVED database, dated Aug 8, 2023 has found that there are 1 FWS APPROVED site(s) within approximately 0.5 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	US	W	0.00 / 0.00	1



FCC FAA

0 900 1,800 Feet

1 inch = 800 feet

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

N

Legend

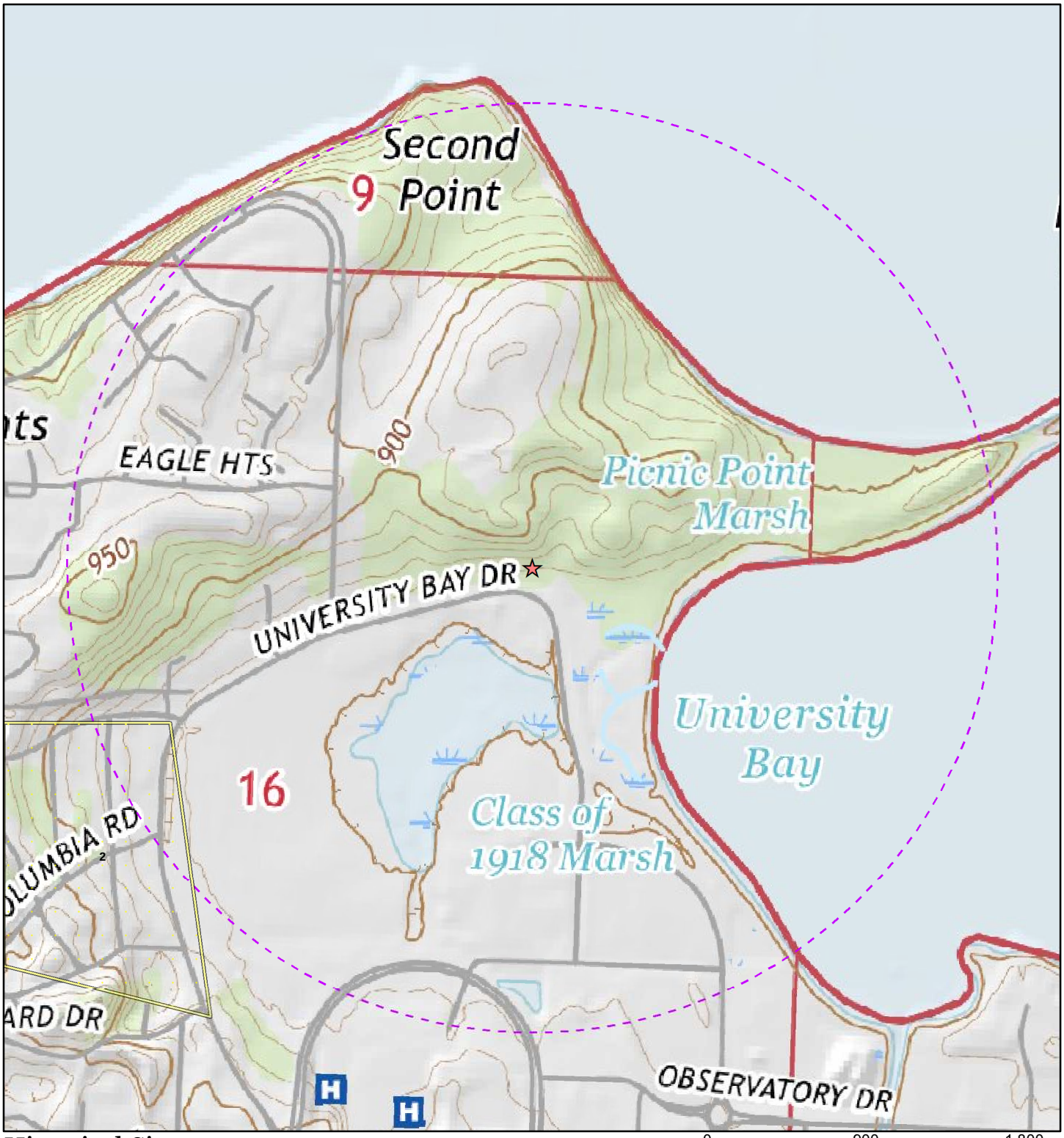
- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Quadrangle(s): Madison West WI

FCC and FAA Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No records found in the selected databases for the project property or surrounding properties.



Historical Sites

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 900 1,800 Feet

1 inch = 800 feet

N

Legend

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

ERIS

Quadrangle(s): Madison West WI

Historical Sites Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	WSW	0.42 / 2236.83	879.18 / 21.98	College Hills Historic District Roughly bounded by Colombia Rd., Amherst Dr., Bowdoin Rd., Corporate Limit, University Bay, and Harvard Dr. Shorewood Hills WI	NR HIST PLACES

Ref No: 02001518
Property Name: College Hills Historic District
Status: Listed
State : WISCONSIN
County: Dane
City: Shorewood Hills
Street No: Roughly bounded by Colombia Rd., Amherst Dr., Bowdoin Rd., Corporate Limit, University Bay, and Harvard Dr.
Request Type: Single
Status Date: 2002-12-09
Restricted Address: FALSE
Area of Significance: ARCHITECTURE
Category of Property: DISTRICT
Listed Date: 2002-12-09
Name of Multiple Property List:
Other Names:
Property ID: 02001518

Geometry Details

Object ID: 3283
Cr ID: {BB2BA6B6-4F08-4606-8DB6-38A9A73E9A2F}
Survey ID:
Geom ID: {4C7CD245-FE22-44AA-96D7-DA10C731430B}
Resname: College Hills Historic District
Bnd Type: Circumscribed polygon
Bnd Other: Polygon boundaries originally derived from bounding XY coordinates specificed in NRIS
Is Extant: Unknown
Extant Oth: Feature is likely but not guaranteed to be extant. Feature was created as part of batch process from NRIS and status needs to be confirmed individually.
Contribres: Unknown
Restrict : Unrestricted
Source: National Register of Historic Places -- National Park Service
Src Date: 09-DEC-02 12.00.00.000000 AM
Src Scale: 1:24000
Src Accu: +/- 12 meters
Vert Error: Not Applicable
Src Coord: Coordinates are typically provided in UTM format, and datum is assumed GCS_North_American_1927 except for sites in certain locations such as Pacifc Ocean islands.
Map Method: Derived by XY event point or centroid generation
Map Mth Ot: Coordinates are extracted directly from NPS NRIS and processed from assumed coordinate systems based upon location and CERTDATE via XY Event layers into WGS 84 system. In some instances, clearly incorrect location data has been manually adjusted.
Createdate: 01-AUG-12 12.00.00.000000 AM
Edit Date: 17-AUG-12 12.00.00.000000 AM
Edit By: Matt Stutts, NPS, Cultural Resources GIS
Originator: National Register of Historic Places -- National Park Service
Constrant: Extant status and datum information for resource not recorded by source; coordinate pairs used to generate points not checked for accuracy by source
Cr Notes:
Alpha Code:
Unit Codeo:
Unit:
Unit Other:
Unit Type:

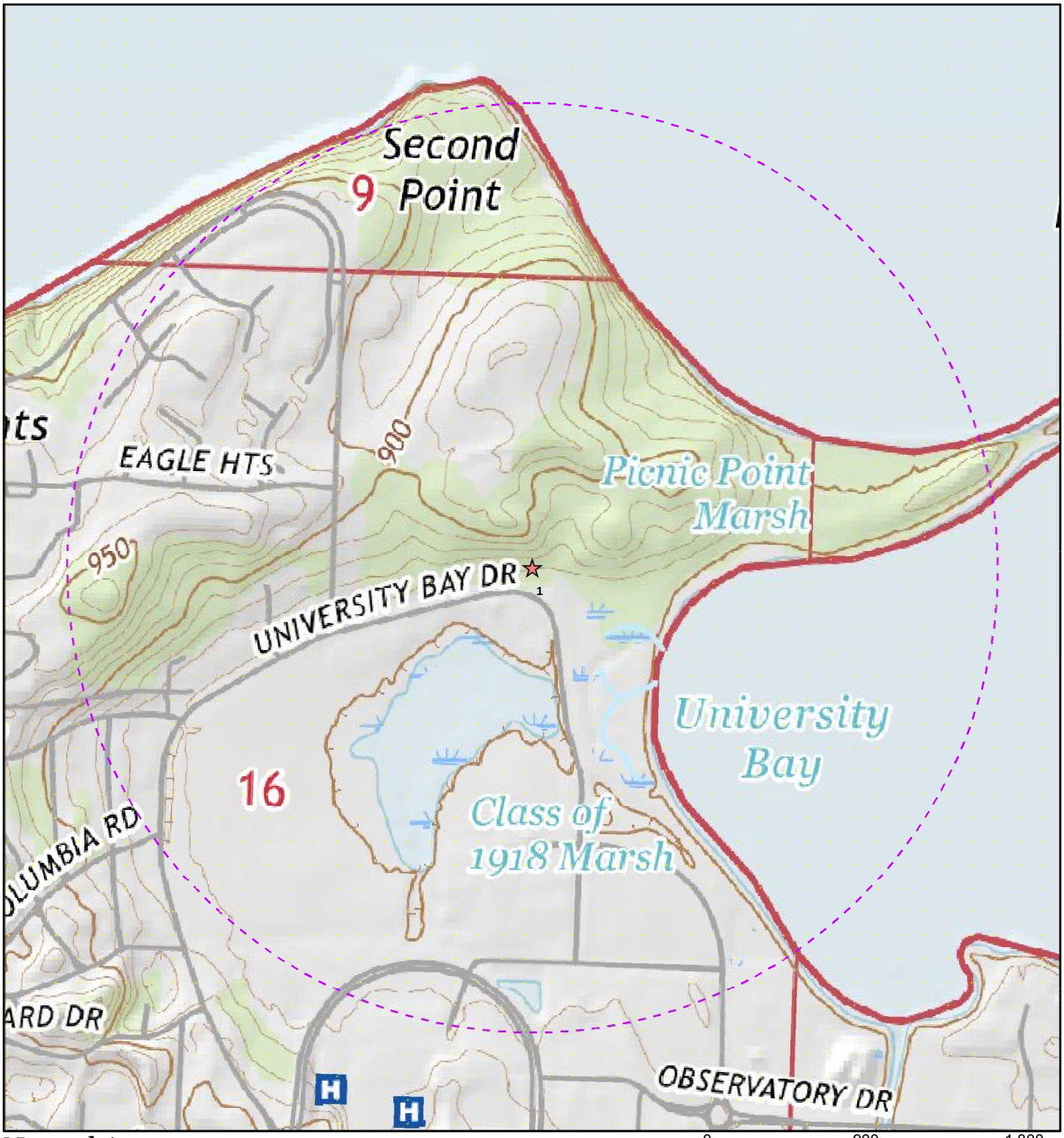
Historical Sites Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Group Code:
Reg Code:
Meta Midf:
Global ID: {75D24627-E4AF-4D26-BA4B-67C70B61DB8B}
Shape Leng: .02104548
REST Source: CRDIST

Additional Details

Reference No: 02001518
Park Name:
External Link: https://catalog.archives.gov/id/106780350
Federal Agencies:
NHL Designated Date:
Level of Significance Local: True
Level of Significance National: False
Level of Significance Not Indi: False
Level of Significance State: False
Level of Significance Internat: False



Natural Areas

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 900 1,800 Feet

1 inch = 800 feet

N

Legend

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Quadrangle(s): Madison West WI

Natural Areas Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	W	0.00 / 0.00	934.93 / 77.76	US	FWS APPROVED

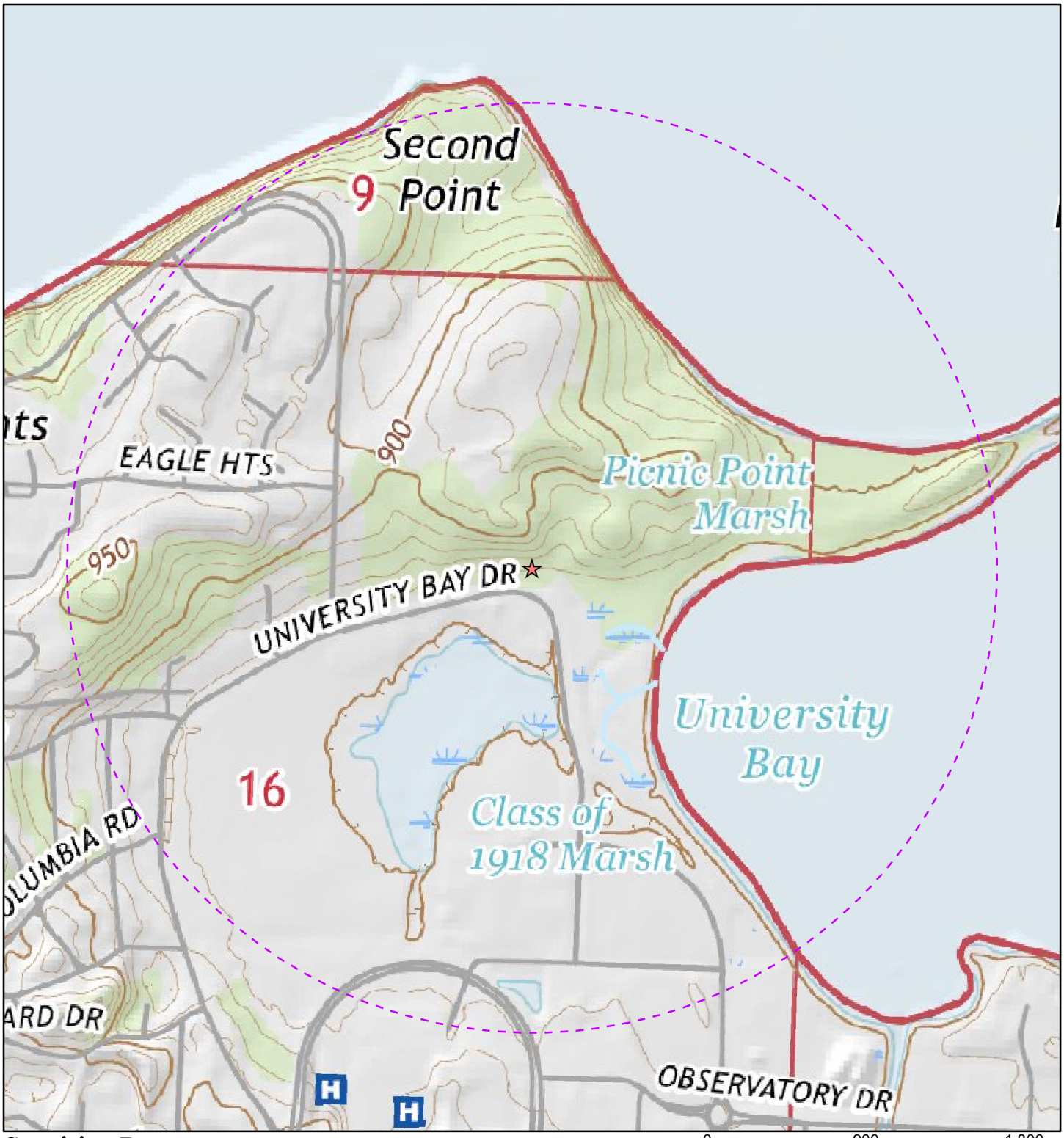
Cost Center:	FF03RLPW00	**Organization Code:**	32525
RSL Type:	WMD	**Station Literal:**	
GIS Acres:	8044949.90181	**IFWS:**	
Document Acres:	0	**FWS Region:**	3
Max Acres:	9000	**Interior Region:**	3

Label Name: Leopold WMD

Complex Name: LEOPOLD WETLAND MANAGEMENT DISTRICT

Approval Type: Limited - USFWS has approval to acquire an interest in a specified percentage of land and/or water within the Approved Acquisition boundary.

Comments: 4/28/2023: MAXAcres determined from Ch. 4 in Leopold WMD CCP



Sensitive Receptors

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 900 1,800 Feet

1 inch = 800 feet

N

Legend

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

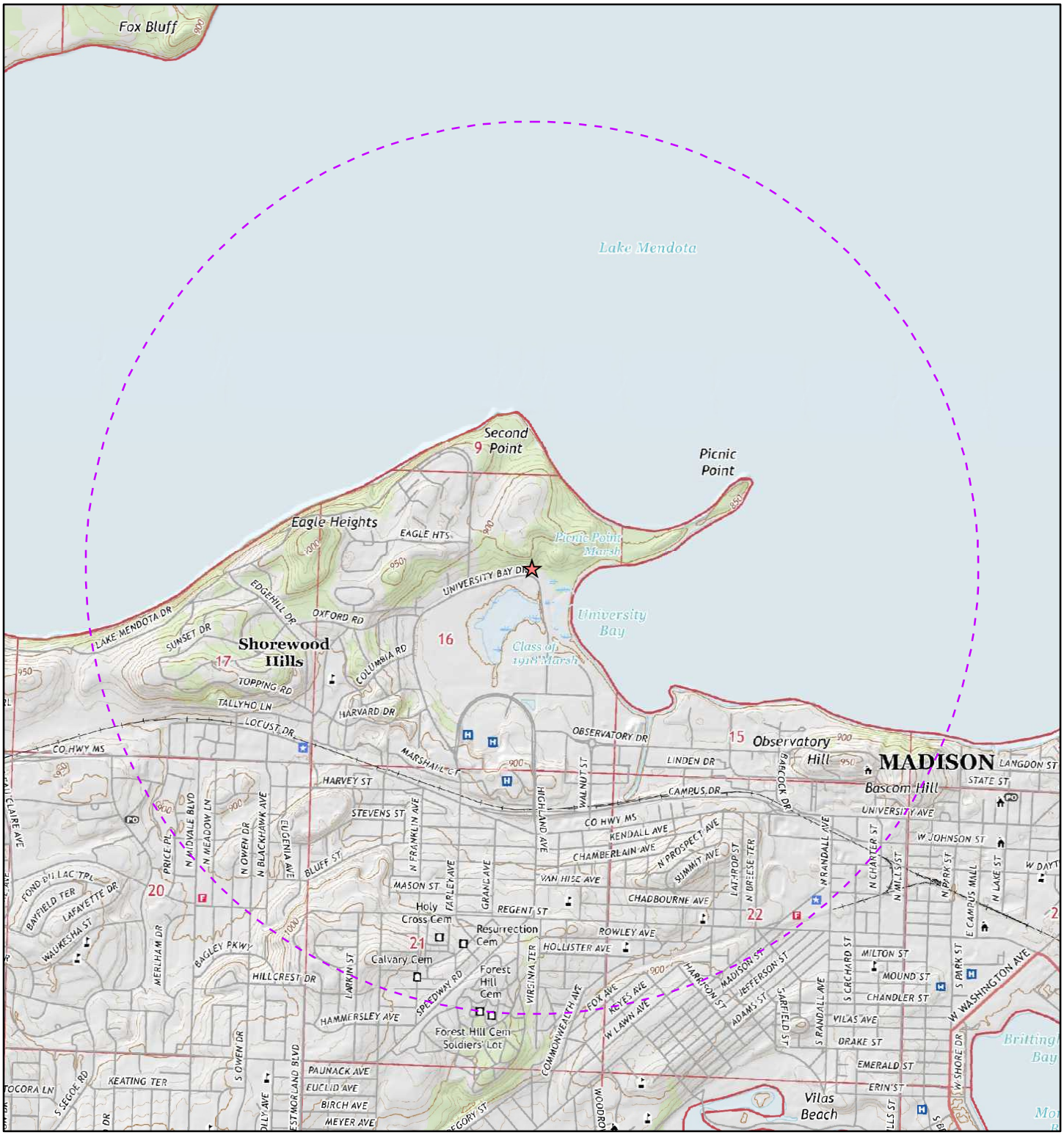
ERIS

Quadrangle(s): Madison West WI

Sensitive Receptor Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No records found in the selected databases for the project property or surrounding properties.



Special Species

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 1,000 2,000 4,000 Feet

1 inch = 2,500 feet

N

Legend

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

ERIS

Quadrangle(s): Madison West WI

Special Status Species Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No records found in the selected databases for the project property or surrounding properties.

National Flood Hazard

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 900 1,800 Feet

1 inch = 800 feet

N

- Project Property
- Buffer Outline
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Madison West WI

ERIS

FEMA - Federal Emergency Management Agency

FEMA Flood Zone Definitions Relevant to Map

Zone AE	Zone AE	*FEMA FLOOD*
Zone X 0.2 PCT ANNUAL CHANCE FLOOD HAZARD	Zone X	*FEMA FLOOD*
Zone X AREA OF MINIMAL FLOOD HAZARD	Zone X	*FEMA FLOOD*

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

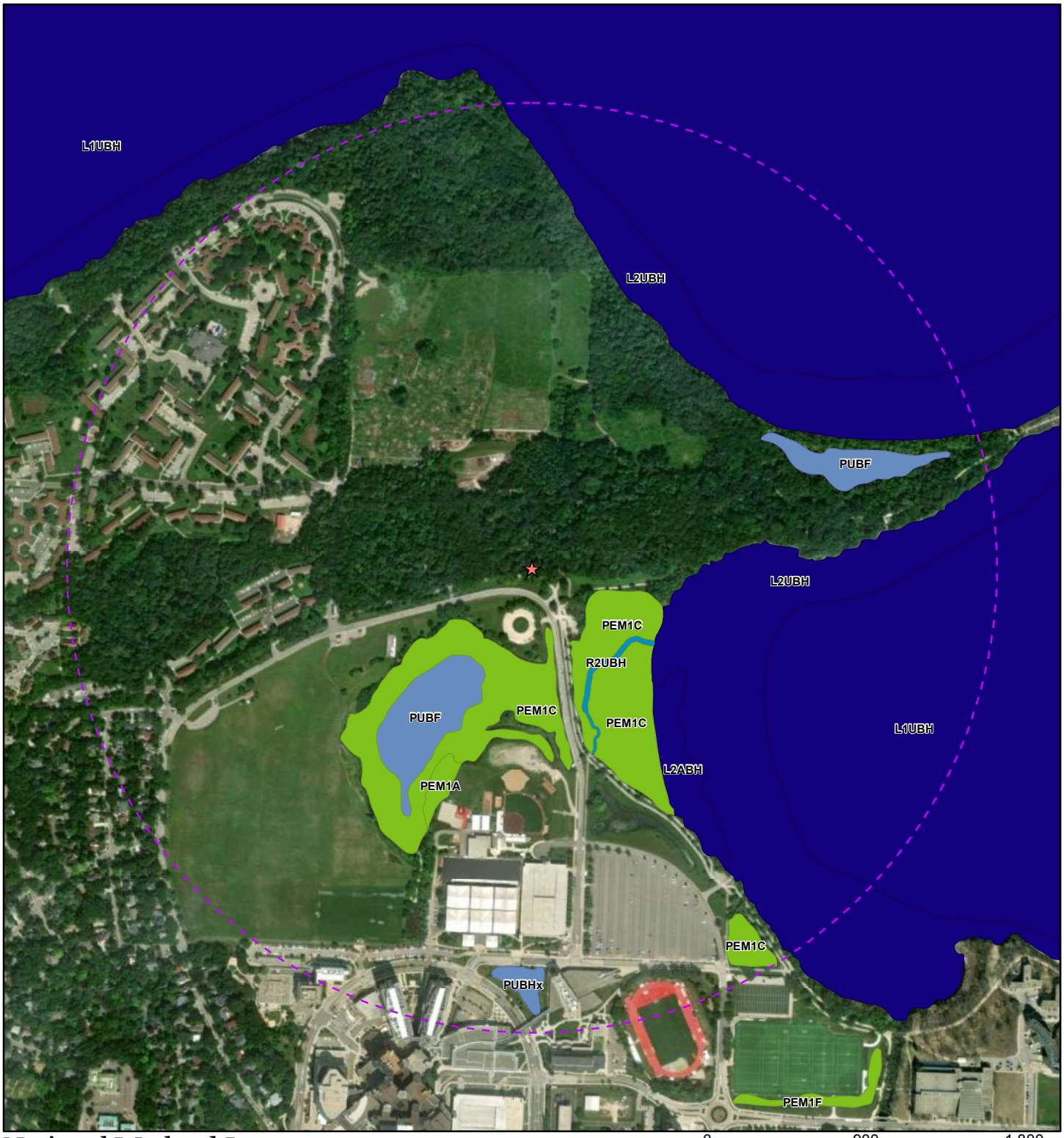
Moderate and Minimal Risk Areas

Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.



National Wetland Inventory

Address: Lakeshore Nature Preserve Outreach Center University of Wisconsin Madison, Madison, WI

0 900 1,800 Feet

1 inch = 800 feet

N

Project Property

Buffer Outline

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

Quadrangle(s): Madison West WI

ERIS

NWI - National Wetlands Inventory

NWI Definitions Relevant to Map

US WETLAND

Attribute:	**L1UBH**
Wetland Type:	**Lake**
System Name:	**Lacustrine**
Subsystem Name:	**Limnetic**
Class Name:	**Unconsolidated Bottom**
Water Regime Name:	**Permanently Flooded**

US WETLAND

Attribute:	**L2UBH**
Wetland Type:	**Lake**
System Name:	**Lacustrine**
Subsystem Name:	**Littoral**
Class Name:	**Unconsolidated Bottom**
Water Regime Name:	**Permanently Flooded**

US WETLAND

Attribute:	**L2ABH**
Wetland Type:	**Lake**
System Name:	**Lacustrine**
Subsystem Name:	**Littoral**
Class Name:	**Aquatic Bed**
Water Regime Name:	**Permanently Flooded**

US WETLAND

Attribute:	**PEM1A**
Wetland Type:	**Freshwater Emergent Wetland**
System Name:	**Palustrine**
Class Name:	**Emergent**
Subclass Name:	**Persistent**
Water Regime Name:	**Temporary Flooded**

US WETLAND

Attribute:	**PEM1C**
Wetland Type:	**Freshwater Emergent Wetland**
System Name:	**Palustrine**

NWI Detail Report

Class Name:	**Emergent**
Subclass Name:	**Persistent**
Water Regime Name:	**Seasonally Flooded**

US WETLAND

Attribute:	**PUBF**
Wetland Type:	**Freshwater Pond**
System Name:	**Palustrine**
Class Name:	**Unconsolidated Bottom**
Water Regime Name:	**Semipermanently Flooded**

US WETLAND

Attribute:	**PUBHx**
Wetland Type:	**Freshwater Pond**
System Name:	**Palustrine**
Class Name:	**Unconsolidated Bottom**
Water Regime Name:	**Permanently Flooded**
First Modifier Name:	**Excavated**
First Modifier Group:	**Special Modifier**

US WETLAND

Attribute:	**R2UBH**
Wetland Type:	**Riverine**
System Name:	**Riverine**
Subsystem Name:	**Lower Perennial**
Class Name:	**Unconsolidated Bottom**
Water Regime Name:	**Permanently Flooded**

Species and Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City/County/State	Zip
FWS COUNTY SPECIES			WI	
FWS STATE SPECIES			WI	
NR HIST PLACES	Mansion Hill Historic District	Roughly bounded by Lake Mendota, Butler Gorham, Gilman, Henry, & Carroll Sts.	Madison WI	

Species and Unplottable Report

Site:
WI

FWS COUNTY SPECIES

County Name: Dane ***County Fips:*** 55025

Birds Details

Common Name: Whooping crane
Scientific Name: Grus americana
ESA Listing Date: 06-26-2001
ESA Listing Status: Experimental Population, Non-Essential
Scientific Name Url: https://ecos.fws.gov/ecp/species/758

Clams Details

Common Name: Higgins eye (pearlymussel)
Scientific Name: Lampsilis higginsii
ESA Listing Date: 06-14-1976
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/5428

Common Name: Sheepnose Mussel
Scientific Name: Plethobasus cyphyus
ESA Listing Date: 04-12-2012
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/6903

Flowering Plants Details

Common Name: Mead's milkweed
Scientific Name: Asclepias meadii
ESA Listing Date: 09-01-1988
ESA Listing Status: Threatened
Scientific Name Url: https://ecos.fws.gov/ecp/species/8204

Common Name: Prairie bush-clover
Scientific Name: Lespedeza leptostachya
ESA Listing Date: 01-09-1987
ESA Listing Status: Threatened
Scientific Name Url: https://ecos.fws.gov/ecp/species/4458

Common Name: Eastern prairie fringed orchid
Scientific Name: Platanthera leucophaea
ESA Listing Date: 09-28-1989
ESA Listing Status: Threatened
Scientific Name Url: https://ecos.fws.gov/ecp/species/601

Insects Details

Common Name: Monarch butterfly
Scientific Name: Danaus plexippus
ESA Listing Date: 12-17-2020
ESA Listing Status: Candidate
Scientific Name Url: https://ecos.fws.gov/ecp/species/9743

Common Name: Regal fritillary
Scientific Name: Speyeria idalia
ESA Listing Date:
ESA Listing Status: Under Review
Scientific Name Url: https://ecos.fws.gov/ecp/species/8145

Common Name: Rusty patched bumble bee

Scientific Name: Bombus affinis
ESA Listing Date: 03-21-2017
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/9383

Common Name: Karner blue butterfly
Scientific Name: Lycaeides melissa samuelis
ESA Listing Date: 12-14-1992
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/6656

Common Name: Hine's emerald dragonfly
Scientific Name: Somatochlora hineana
ESA Listing Date: 01-26-1995
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/7877

Mammals Details

Common Name: Little brown bat
Scientific Name: Myotis lucifugus
ESA Listing Date:
ESA Listing Status: Under Review
Scientific Name Url: https://ecos.fws.gov/ecp/species/9051

Common Name: Northern Long-Eared Bat
Scientific Name: Myotis septentrionalis
ESA Listing Date: 05-04-2015
ESA Listing Status: Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/9045

Common Name: Tricolored bat
Scientific Name: Perimyotis subflavus
ESA Listing Date:
ESA Listing Status: Proposed Endangered
Scientific Name Url: https://ecos.fws.gov/ecp/species/10515

Reptiles Details

Common Name: Eastern Massasauga (=rattlesnake)
Scientific Name: Sistrurus catenatus
ESA Listing Date: 09-30-2016
ESA Listing Status: Threatened
Scientific Name Url: https://ecos.fws.gov/ecp/species/2202

Site:
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FWS STATE SPECIES

Birds Details

Common Name: Common tern
Scientific Name: Sterna hirundo
Scientific Name Url: https://ecos.fws.gov/ecp/species/4963
Ecos Listed Species ID: 4819
Ecos Species ID: 4963
Species Group: Birds
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Birds Details

Common Name: Piping Plover
Scientific Name: Charadrius melodus

Scientific Name Url: https://ecos.fws.gov/ecp/species/6039
Ecos Listed Species ID: 130
Ecos Species ID: 6039
Species Group: Birds
ESA Listing Status: Endangered
ESA Listing Date: 12-11-1985
Entity Description: [Great Lakes watershed DPS] - Great Lakes, watershed in States of IL, IN, MI, MN, NY, OH, PA, and WI and Canada (Ont.)

Birds Details

Common Name: Cerulean warbler
Scientific Name: Dendroica cerulea
Scientific Name Url: https://ecos.fws.gov/ecp/species/2974
Ecos Listed Species ID: 4402
Ecos Species ID: 2974
Species Group: Birds
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Birds Details

Common Name: Red knot
Scientific Name: Calidris canutus rufa
Scientific Name Url: https://ecos.fws.gov/ecp/species/1864
Ecos Listed Species ID: 8621
Ecos Species ID: 1864
Species Group: Birds
ESA Listing Status: Threatened
ESA Listing Date: 01-12-2015
Entity Description: Wherever found

Birds Details

Common Name: Black tern
Scientific Name: Chlidonias niger
Scientific Name Url: https://ecos.fws.gov/ecp/species/3093
Ecos Listed Species ID: 4734
Ecos Species ID: 3093
Species Group: Birds
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Birds Details

Common Name: Long-billed curlew
Scientific Name: Numenius americanus
Scientific Name Url: https://ecos.fws.gov/ecp/species/5511
Ecos Listed Species ID: 1343
Ecos Species ID: 5511
Species Group: Birds
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Birds Details

Common Name: Whooping crane
Scientific Name: Grus americana
Scientific Name Url: https://ecos.fws.gov/ecp/species/758
Ecos Listed Species ID: 7342
Ecos Species ID: 758
Species Group: Birds

ESA Listing Status: Experimental Population, Non-Essential
ESA Listing Date: 06-26-2001
Entity Description: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

Birds Details

Common Name: Kirtland's Warbler
Scientific Name: Setophaga kirtlandii
Scientific Name Url: https://ecos.fws.gov/ecp/species/8078
Ecos Listed Species ID: 94
Ecos Species ID: 8078
Species Group: Birds
ESA Listing Status: Recovery
ESA Listing Date: 03-11-1967
Entity Description: Wherever found

Clams Details

Common Name: Sheepnose Mussel
Scientific Name: Plethobasus cyphyus
Scientific Name Url: https://ecos.fws.gov/ecp/species/6903
Ecos Listed Species ID: 7816
Ecos Species ID: 6903
Species Group: Clams
ESA Listing Status: Endangered
ESA Listing Date: 04-12-2012
Entity Description: Wherever found

Clams Details

Common Name: Winged Mapleleaf
Scientific Name: Quadrula fragosa
Scientific Name Url: https://ecos.fws.gov/ecp/species/4127
Ecos Listed Species ID: 328
Ecos Species ID: 4127
Species Group: Clams
ESA Listing Status: Endangered
ESA Listing Date: 06-20-1991
Entity Description: Wherever found, except where listed as an experimental population

Clams Details

Common Name: Salamander mussel
Scientific Name: Simpsonaias ambigua
Scientific Name Url: https://ecos.fws.gov/ecp/species/6208
Ecos Listed Species ID: 8134
Ecos Species ID: 6208
Species Group: Clams
ESA Listing Status: Under Review
ESA Listing Date:
Entity Description: Wherever found

Clams Details

Common Name: Snuffbox mussel
Scientific Name: Epioblasma triquetra
Scientific Name Url: https://ecos.fws.gov/ecp/species/4135
Ecos Listed Species ID: 5281
Ecos Species ID: 4135
Species Group: Clams
ESA Listing Status: Endangered
ESA Listing Date: 03-15-2012
Entity Description: Wherever found

Species and Unplottable Report

Clams Details

Common Name: Higgins eye (pearlymussel)
Scientific Name: Lampsilis higginsii
Scientific Name Url: https://ecos.fws.gov/ecp/species/5428
Ecos Listed Species ID: 325
Ecos Species ID: 5428
Species Group: Clams
ESA Listing Status: Endangered
ESA Listing Date: 06-14-1976
Entity Description: Wherever found

Clams Details

Common Name: Spectaclecase (mussel)
Scientific Name: Cumberlandia monodonta
Scientific Name Url: https://ecos.fws.gov/ecp/species/7867
Ecos Listed Species ID: 4490
Ecos Species ID: 7867
Species Group: Clams
ESA Listing Status: Endangered
ESA Listing Date: 04-12-2012
Entity Description: Wherever found

Clams Details

Common Name: [Unnamed] elktoe
Scientific Name: Alasmidonta marginata
Scientific Name Url: https://ecos.fws.gov/ecp/species/8220
Ecos Listed Species ID: 3087
Ecos Species ID: 8220
Species Group: Clams
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Crustaceans Details

Common Name: Wisconsin well amphipod
Scientific Name: Stygobromus putealis
Scientific Name Url: https://ecos.fws.gov/ecp/species/1424
Ecos Listed Species ID: 7624
Ecos Species ID: 1424
Species Group: Crustaceans
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Ferns and Allies Details

Common Name: No common name
Scientific Name: Gymnocarpium heterosporum
Scientific Name Url: https://ecos.fws.gov/ecp/species/7810
Ecos Listed Species ID: 1847
Ecos Species ID: 7810
Species Group: Ferns and Allies
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Ferns and Allies Details

Common Name: No common name
Scientific Name: Woodsia abbeae

Scientific Name Url: https://ecos.fws.gov/ecp/species/6881
Ecos Listed Species ID: 2824
Ecos Species ID: 6881
Species Group: Ferns and Allies
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Ferns and Allies Details

Common Name: Oregon woodsia
Scientific Name: Woodsia oregana cathcartiana
Scientific Name Url: https://ecos.fws.gov/ecp/species/426
Ecos Listed Species ID: 3561
Ecos Species ID: 426
Species Group: Ferns and Allies
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Ferns and Allies Details

Common Name: No common name
Scientific Name: Botrychium mormo
Scientific Name Url: https://ecos.fws.gov/ecp/species/756
Ecos Listed Species ID: 5959
Ecos Species ID: 756
Species Group: Ferns and Allies
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Blackfin cisco
Scientific Name: Coregonus nigripinnis nigripinnis
Scientific Name Url: https://ecos.fws.gov/ecp/species/4774
Ecos Listed Species ID: 6780
Ecos Species ID: 4774
Species Group: Fishes
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Greater redhorse
Scientific Name: Moxostoma valenciennesi
Scientific Name Url: https://ecos.fws.gov/ecp/species/2798
Ecos Listed Species ID: 5190
Ecos Species ID: 2798
Species Group: Fishes
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Paddlefish
Scientific Name: Polyodon spathula
Scientific Name Url: https://ecos.fws.gov/ecp/species/6639
Ecos Listed Species ID: 5295
Ecos Species ID: 6639
Species Group: Fishes
ESA Listing Status: Resolved Taxon

ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: brook trout
Scientific Name: Salvelinus fontinalis
Scientific Name Url: https://ecos.fws.gov/ecp/species/1219
Ecos Listed Species ID: 9101
Ecos Species ID: 1219
Species Group: Fishes
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: anadromous (lake-run)

Fishes Details

Common Name: Deepwater cisco
Scientific Name: Coregonus johannae
Scientific Name Url: https://ecos.fws.gov/ecp/species/7159
Ecos Listed Species ID: 7090
Ecos Species ID: 7159
Species Group: Fishes
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Kiyi
Scientific Name: Coregonus kiyi
Scientific Name Url: https://ecos.fws.gov/ecp/species/2330
Ecos Listed Species ID: 5618
Ecos Species ID: 2330
Species Group: Fishes
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Lake sturgeon
Scientific Name: Acipenser fulvescens
Scientific Name Url: https://ecos.fws.gov/ecp/species/462
Ecos Listed Species ID: 2822
Ecos Species ID: 462
Species Group: Fishes
ESA Listing Status: Under Review
ESA Listing Date: 08-15-2019
Entity Description: Wherever found

Fishes Details

Common Name: Longjaw cisco
Scientific Name: Coregonus alpenae
Scientific Name Url: https://ecos.fws.gov/ecp/species/2306
Ecos Listed Species ID: 4004
Ecos Species ID: 2306
Species Group: Fishes
ESA Listing Status: Extinction
ESA Listing Date: 03-11-1967
Entity Description: Wherever found

Fishes Details

Common Name: Shortnose cisco
Scientific Name: Coregonus reighardi
Scientific Name Url: https://ecos.fws.gov/ecp/species/5396
Ecos Listed Species ID: 4897
Ecos Species ID: 5396
Species Group: Fishes
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Fishes Details

Common Name: Shortjaw cisco
Scientific Name: Coregonus zenithicus
Scientific Name Url: https://ecos.fws.gov/ecp/species/3967
Ecos Listed Species ID: 3843
Ecos Species ID: 3967
Species Group: Fishes
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] aster
Scientific Name: Eurybia furcata
Scientific Name Url: https://ecos.fws.gov/ecp/species/8122
Ecos Listed Species ID: 6605
Ecos Species ID: 8122
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Dwarf lake iris
Scientific Name: Iris lacustris
Scientific Name Url: https://ecos.fws.gov/ecp/species/598
Ecos Listed Species ID: 950
Ecos Species ID: 598
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 09-28-1988
Entity Description: Wherever found

Flowering Plants Details

Common Name: Bird's-eye primrose
Scientific Name: Primula mistassinica
Scientific Name Url: https://ecos.fws.gov/ecp/species/81
Ecos Listed Species ID: 7893
Ecos Species ID: 81
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Marsh valerian
Scientific Name: Valeriana uliginosa
Scientific Name Url: https://ecos.fws.gov/ecp/species/5823
Ecos Listed Species ID: 4974

Ecos Species ID: 5823
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] thistle
Scientific Name: Cirsium hillii
Scientific Name Url: https://ecos.fws.gov/ecp/species/8335
Ecos Listed Species ID: 5617
Ecos Species ID: 8335
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Rorippa aquatica
Scientific Name Url: https://ecos.fws.gov/ecp/species/2765
Ecos Listed Species ID: 2737
Ecos Species ID: 2765
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] sedge
Scientific Name: Carex formosa
Scientific Name Url: https://ecos.fws.gov/ecp/species/8009
Ecos Listed Species ID: 4141
Ecos Species ID: 8009
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Napaea dioica
Scientific Name Url: https://ecos.fws.gov/ecp/species/4029
Ecos Listed Species ID: 7951
Ecos Species ID: 4029
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Solidago sphathulata gillmanii
Scientific Name Url: https://ecos.fws.gov/ecp/species/3188
Ecos Listed Species ID: 1387
Ecos Species ID: 3188
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Purple false-foxglove
Scientific Name: Tomanthera skinneriana
Scientific Name Url: https://ecos.fws.gov/ecp/species/7107
Ecos Listed Species ID: 4011
Ecos Species ID: 7107
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Heart-leaved plantain
Scientific Name: Plantago cordata
Scientific Name Url: https://ecos.fws.gov/ecp/species/7434
Ecos Listed Species ID: 6771
Ecos Species ID: 7434
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: New England violet
Scientific Name: Viola novae-angliae
Scientific Name Url: https://ecos.fws.gov/ecp/species/6867
Ecos Listed Species ID: 2159
Ecos Species ID: 6867
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Hall's bulrush
Scientific Name: Schoenoplectiella hallii
Scientific Name Url: https://ecos.fws.gov/ecp/species/883
Ecos Listed Species ID: 4859
Ecos Species ID: 883
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description:

Flowering Plants Details

Common Name: [Unnamed] jacob's ladder
Scientific Name: Polemonium occidentale lacustre
Scientific Name Url: https://ecos.fws.gov/ecp/species/5099
Ecos Listed Species ID: 4659
Ecos Species ID: 5099
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] sullivantia

Scientific Name: Sullivantia sullivantii
Scientific Name Url: https://ecos.fws.gov/ecp/species/5556
Ecos Listed Species ID: 5592
Ecos Species ID: 5556
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Auricled twayblade
Scientific Name: Listera auriculata
Scientific Name Url: https://ecos.fws.gov/ecp/species/4877
Ecos Listed Species ID: 2670
Ecos Species ID: 4877
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Fassett's locoweed
Scientific Name: Oxytropis campestris var. chartacea
Scientific Name Url: https://ecos.fws.gov/ecp/species/209
Ecos Listed Species ID: 977
Ecos Species ID: 209
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 09-28-1988
Entity Description: Wherever found

Flowering Plants Details

Common Name: Forbes saxifrage
Scientific Name: Micranthes pensylvanica
Scientific Name Url: https://ecos.fws.gov/ecp/species/3563
Ecos Listed Species ID: 7481
Ecos Species ID: 3563
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Prairie bush-clover
Scientific Name: Lespedeza leptostachya
Scientific Name Url: https://ecos.fws.gov/ecp/species/4458
Ecos Listed Species ID: 957
Ecos Species ID: 4458
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 01-09-1987
Entity Description: Wherever found

Flowering Plants Details

Common Name: Mead's milkweed
Scientific Name: Asclepias meadii
Scientific Name Url: https://ecos.fws.gov/ecp/species/8204
Ecos Listed Species ID: 636
Ecos Species ID: 8204
Species Group: Flowering Plants

ESA Listing Status: Threatened
ESA Listing Date: 09-01-1988
Entity Description: Wherever found

Flowering Plants Details

Common Name: Saxicola rock catfoot
Scientific Name: Gnaphalium obtusifolium saxicola
Scientific Name Url: https://ecos.fws.gov/ecp/species/705
Ecos Listed Species ID: 2287
Ecos Species ID: 705
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Goldenseal
Scientific Name: Hydrastis canadensis
Scientific Name Url: https://ecos.fws.gov/ecp/species/7331
Ecos Listed Species ID: 4809
Ecos Species ID: 7331
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Besseya bullii
Scientific Name Url: https://ecos.fws.gov/ecp/species/264
Ecos Listed Species ID: 7241
Ecos Species ID: 264
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Small white lady's-slipper
Scientific Name: Cypripedium candidum
Scientific Name Url: https://ecos.fws.gov/ecp/species/5474
Ecos Listed Species ID: 7729
Ecos Species ID: 5474
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Arabis missouriensis deamii
Scientific Name Url: https://ecos.fws.gov/ecp/species/7703
Ecos Listed Species ID: 1575
Ecos Species ID: 7703
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Oklahoma grasspink
Scientific Name: Calopogon oklahomensis
Scientific Name Url: https://ecos.fws.gov/ecp/species/8932
Ecos Listed Species ID: 9939
Ecos Species ID: 8932
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] milk-vetch
Scientific Name: Astragalus neglectus
Scientific Name Url: https://ecos.fws.gov/ecp/species/1856
Ecos Listed Species ID: 1720
Ecos Species ID: 1856
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: No common name
Scientific Name: Eleocharis wolfii
Scientific Name Url: https://ecos.fws.gov/ecp/species/8522
Ecos Listed Species ID: 1622
Ecos Species ID: 8522
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Pitcher's thistle
Scientific Name: Cirsium pitcheri
Scientific Name Url: https://ecos.fws.gov/ecp/species/8153
Ecos Listed Species ID: 905
Ecos Species ID: 8153
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 07-18-1988
Entity Description: Wherever found

Flowering Plants Details

Common Name: Eastern prairie fringed orchid
Scientific Name: Platanthera leucophaea
Scientific Name Url: https://ecos.fws.gov/ecp/species/601
Ecos Listed Species ID: 984
Ecos Species ID: 601
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 09-28-1989
Entity Description: Wherever found

Flowering Plants Details

Common Name: Rough-seeded fameflower
Scientific Name: Talinum rugospermum
Scientific Name Url: https://ecos.fws.gov/ecp/species/8343

Ecos Listed Species ID: 1594
Ecos Species ID: 8343
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] pondweed
Scientific Name: Potamogeton confervoides
Scientific Name Url: https://ecos.fws.gov/ecp/species/7354
Ecos Listed Species ID: 7063
Ecos Species ID: 7354
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Ram's-head lady's-slipper
Scientific Name: Cypripedium arietinum
Scientific Name Url: https://ecos.fws.gov/ecp/species/8297
Ecos Listed Species ID: 7854
Ecos Species ID: 8297
Species Group: Flowering Plants
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Northern wild monkshood
Scientific Name: Aconitum noveboracense
Scientific Name Url: https://ecos.fws.gov/ecp/species/1450
Ecos Listed Species ID: 620
Ecos Species ID: 1450
Species Group: Flowering Plants
ESA Listing Status: Threatened
ESA Listing Date: 05-27-1978
Entity Description: Wherever found

Flowering Plants Details

Common Name: [Unnamed] sedge
Scientific Name: Carex schweinitzii
Scientific Name Url: https://ecos.fws.gov/ecp/species/1365
Ecos Listed Species ID: 1742
Ecos Species ID: 1365
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Flowering Plants Details

Common Name: Auriculate false-foxglove
Scientific Name: Agalinis auriculata
Scientific Name Url: https://ecos.fws.gov/ecp/species/8053
Ecos Listed Species ID: 6219
Ecos Species ID: 8053
Species Group: Flowering Plants
ESA Listing Status: Species of Concern
ESA Listing Date:

Entity Description: Wherever found

Insects Details

Common Name: Karner blue butterfly
Scientific Name: Lycaeides melissa samuelis
Scientific Name Url: https://ecos.fws.gov/ecp/species/6656
Ecos Listed Species ID: 420
Ecos Species ID: 6656
Species Group: Insects
ESA Listing Status: Endangered
ESA Listing Date: 12-14-1992
Entity Description: Wherever found

Insects Details

Common Name: Poweshiek skipperling
Scientific Name: Oarisma poweshiek
Scientific Name Url: https://ecos.fws.gov/ecp/species/9161
Ecos Listed Species ID: 10147
Ecos Species ID: 9161
Species Group: Insects
ESA Listing Status: Endangered
ESA Listing Date: 11-24-2014
Entity Description: Wherever found

Insects Details

Common Name: Regal fritillary
Scientific Name: Speyeria idalia
Scientific Name Url: https://ecos.fws.gov/ecp/species/8145
Ecos Listed Species ID: 3635
Ecos Species ID: 8145
Species Group: Insects
ESA Listing Status: Under Review
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: [Unnamed] noctuid moth
Scientific Name: Schinia indiana
Scientific Name Url: https://ecos.fws.gov/ecp/species/7889
Ecos Listed Species ID: 7130
Ecos Species ID: 7889
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Pecatonica River mayfly
Scientific Name: Acanthometropus pecatonica
Scientific Name Url: https://ecos.fws.gov/ecp/species/7879
Ecos Listed Species ID: 6730
Ecos Species ID: 7879
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: St. Croix snaketail
Scientific Name: Ophiogomphus sp.
Scientific Name Url: https://ecos.fws.gov/ecp/species/3803
Ecos Listed Species ID: 1385
Ecos Species ID: 3803
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: [Unnamed] looper moth
Scientific Name: Euchlaena milnei
Scientific Name Url: https://ecos.fws.gov/ecp/species/3404
Ecos Listed Species ID: 4669
Ecos Species ID: 3404
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Elusive clubtail
Scientific Name: Stylurus notatus
Scientific Name Url: https://ecos.fws.gov/ecp/species/8115
Ecos Listed Species ID: 2158
Ecos Species ID: 8115
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Monarch butterfly
Scientific Name: Danaus plexippus
Scientific Name Url: https://ecos.fws.gov/ecp/species/9743
Ecos Listed Species ID: 10710
Ecos Species ID: 9743
Species Group: Insects
ESA Listing Status: Candidate
ESA Listing Date: 12-17-2020
Entity Description: Wherever found

Insects Details

Common Name: Extra-striped snaketail
Scientific Name: Ophiogomphus anomalus
Scientific Name Url: https://ecos.fws.gov/ecp/species/4797
Ecos Listed Species ID: 3453
Ecos Species ID: 4797
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Robust dubiraphian riffle beetle
Scientific Name: Dubiraphia robusta
Scientific Name Url: https://ecos.fws.gov/ecp/species/75
Ecos Listed Species ID: 7275
Ecos Species ID: 75

Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: bog buck moth
Scientific Name: Hemileuca maia menyanthevora
Scientific Name Url: https://ecos.fws.gov/ecp/species/8023
Ecos Listed Species ID: 6400
Ecos Species ID: 8023
Species Group: Insects
ESA Listing Status: Endangered
ESA Listing Date: 04-14-2023
Entity Description: Wherever found

Insects Details

Common Name: Lake Huron locust
Scientific Name: Trimerotropis huroniana
Scientific Name Url: https://ecos.fws.gov/ecp/species/7862
Ecos Listed Species ID: 3705
Ecos Species ID: 7862
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Douglas stenelmis riffle beetle
Scientific Name: Stenelmis douglasensis
Scientific Name Url: https://ecos.fws.gov/ecp/species/2597
Ecos Listed Species ID: 4902
Ecos Species ID: 2597
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Wallace's deepwater mayfly
Scientific Name: Spinadis simplex
Scientific Name Url: https://ecos.fws.gov/ecp/species/1148
Ecos Listed Species ID: 6395
Ecos Species ID: 1148
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Tawny crescent
Scientific Name: Phyciodes batesii
Scientific Name Url: https://ecos.fws.gov/ecp/species/4147
Ecos Listed Species ID: 5876
Ecos Species ID: 4147
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Hine's emerald dragonfly
Scientific Name: Somatochlora hineana
Scientific Name Url: https://ecos.fws.gov/ecp/species/7877
Ecos Listed Species ID: 445
Ecos Species ID: 7877
Species Group: Insects
ESA Listing Status: Endangered
ESA Listing Date: 01-26-1995
Entity Description: Wherever found

Insects Details

Common Name: Redveined prairie leafhopper
Scientific Name: Aflexia rubranura
Scientific Name Url: https://ecos.fws.gov/ecp/species/5407
Ecos Listed Species ID: 6457
Ecos Species ID: 5407
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Rusty patched bumble bee
Scientific Name: Bombus affinis
Scientific Name Url: https://ecos.fws.gov/ecp/species/9383
Ecos Listed Species ID: 10383
Ecos Species ID: 9383
Species Group: Insects
ESA Listing Status: Endangered
ESA Listing Date: 03-21-2017
Entity Description: Wherever found

Insects Details

Common Name: Yellow banded bumble bee
Scientific Name: Bombus terricola
Scientific Name Url: https://ecos.fws.gov/ecp/species/10403
Ecos Listed Species ID: 11255
Ecos Species ID: 10403
Species Group: Insects
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Insects Details

Common Name: Midget snaketail
Scientific Name: Ophiogomphus howei
Scientific Name Url: https://ecos.fws.gov/ecp/species/8017
Ecos Listed Species ID: 1883
Ecos Species ID: 8017
Species Group: Insects
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Little brown bat
Scientific Name: Myotis lucifugus

Scientific Name Url: https://ecos.fws.gov/ecp/species/9051
Ecos Listed Species ID: 10049
Ecos Species ID: 9051
Species Group: Mammals
ESA Listing Status: Under Review
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Northwestern Moose
Scientific Name: Alces alces andersoni
Scientific Name Url: https://ecos.fws.gov/ecp/species/10399
Ecos Listed Species ID: 11219
Ecos Species ID: 10399
Species Group: Mammals
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Eastern marten
Scientific Name: Martes americana americana
Scientific Name Url: https://ecos.fws.gov/ecp/species/1102
Ecos Listed Species ID: 1500
Ecos Species ID: 1102
Species Group: Mammals
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Northeastern pygmy shrew
Scientific Name: Microsorex hoyi thompsoni
Scientific Name Url: https://ecos.fws.gov/ecp/species/7390
Ecos Listed Species ID: 6282
Ecos Species ID: 7390
Species Group: Mammals
ESA Listing Status: Resolved Taxon
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Northern Long-Eared Bat
Scientific Name: Myotis septentrionalis
Scientific Name Url: https://ecos.fws.gov/ecp/species/9045
Ecos Listed Species ID: 10043
Ecos Species ID: 9045
Species Group: Mammals
ESA Listing Status: Endangered
ESA Listing Date: 05-04-2015
Entity Description: Wherever found

Mammals Details

Common Name: Gray wolf
Scientific Name: Canis lupus
Scientific Name Url: https://ecos.fws.gov/ecp/species/4488
Ecos Listed Species ID: 11
Ecos Species ID: 4488
Species Group: Mammals
ESA Listing Status: Endangered

ESA Listing Date: 03-09-1978
Entity Description: U.S.A.: All of AL, AR, CA, CO, CT, DE, FL, GA, IA, IN, IL, KS, KY, LA, MA, MD, ME, MI, MO, MS, NC, ND, NE, NH, NJ, NV, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, and WV; and portions of AZ, NM, OR, UT, and WA as follows: (1) Northern AZ (that portion north of the centerline of Interstate Highway 40); (2) Northern NM (that portion north of the centerline of Interstate Highway 40); (3) Western OR (that portion of OR west of the centerline of Highway 395 and Highway 78 north of Burns Junction and that portion of OR west of the centerline of Highway 95 south of Burns Junction); (4) Most of Utah (that portion of UT south and west of the centerline of Highway 84 and that portion of UT south of Highway 80 from Echo to the UT/WY Stateline); and (5) Western WA (that portion of WA west of the centerline of Highway 97 and Highway 17 north of Mesa and that portion of WA west of the centerline of Highway 395 south of Mesa). Mexico.

Mammals Details

Common Name: Tricolored bat
Scientific Name: Perimyotis subflavus
Scientific Name Url: https://ecos.fws.gov/ecp/species/10515
Ecos Listed Species ID: 11365
Ecos Species ID: 10515
Species Group: Mammals
ESA Listing Status: Proposed Endangered
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: Canada Lynx
Scientific Name: Lynx canadensis
Scientific Name Url: https://ecos.fws.gov/ecp/species/3652
Ecos Listed Species ID: 24
Ecos Species ID: 3652
Species Group: Mammals
ESA Listing Status: Threatened
ESA Listing Date: 03-24-2000
Entity Description: Wherever Found in Contiguous U.S.

Mammals Details

Common Name: Wisconsin puma
Scientific Name: Felis concolor schorgeri
Scientific Name Url: https://ecos.fws.gov/ecp/species/4056
Ecos Listed Species ID: 5504
Ecos Species ID: 4056
Species Group: Mammals
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Mammals Details

Common Name: coyote
Scientific Name: canis latrans
Scientific Name Url: https://ecos.fws.gov/ecp/species/6887
Ecos Listed Species ID: 9227
Ecos Species ID: 6887
Species Group: Mammals
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Reptiles Details

Common Name: Eastern Massasauga (=rattlesnake)
Scientific Name: Sistrurus catenatus
Scientific Name Url: https://ecos.fws.gov/ecp/species/2202
Ecos Listed Species ID: 7800

Ecos Species ID: 2202
Species Group: Reptiles
ESA Listing Status: Threatened
ESA Listing Date: 09-30-2016
Entity Description: Wherever found

Reptiles Details

Common Name: False map turtle
Scientific Name: Graptemys pseudogeographica
Scientific Name Url: https://ecos.fws.gov/ecp/species/4661
Ecos Listed Species ID: 4990
Ecos Species ID: 4661
Species Group: Reptiles
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Reptiles Details

Common Name: Blanding's turtle
Scientific Name: Emydoidea blandingii
Scientific Name Url: https://ecos.fws.gov/ecp/species/6056
Ecos Listed Species ID: 3789
Ecos Species ID: 6056
Species Group: Reptiles
ESA Listing Status: Under Review
ESA Listing Date:
Entity Description: Wherever found

Reptiles Details

Common Name: Wood turtle
Scientific Name: Glyptemys insculpta
Scientific Name Url: https://ecos.fws.gov/ecp/species/6997
Ecos Listed Species ID: 2109
Ecos Species ID: 6997
Species Group: Reptiles
ESA Listing Status: Under Review
ESA Listing Date:
Entity Description: Wherever found

Snails Details

Common Name: Iowa Pleistocene snail
Scientific Name: Discus macclintocki
Scientific Name Url: https://ecos.fws.gov/ecp/species/534
Ecos Listed Species ID: 391
Ecos Species ID: 534
Species Group: Snails
ESA Listing Status: Endangered
ESA Listing Date: 08-02-1978
Entity Description: Wherever found

Snails Details

Common Name: Hubricht's vertigo
Scientific Name: Vertigo hubrichti
Scientific Name Url: https://ecos.fws.gov/ecp/species/1019
Ecos Listed Species ID: 7521
Ecos Species ID: 1019
Species Group: Snails
ESA Listing Status: Species of Concern
ESA Listing Date:
Entity Description: Wherever found

Snails Details

Common Name:	Briarton Pleistocene snail
Scientific Name:	Vertigo briarensis
Scientific Name Url:	https://ecos.fws.gov/ecp/species/7667
Ecos Listed Species ID:	6020
Ecos Species ID:	7667
Species Group:	Snails
ESA Listing Status:	Species of Concern
ESA Listing Date:	
Entity Description:	Wherever found

Site: ***Mansion Hill Historic District***
Roughly bounded by Lake Mendota, Butler Gorham, Gilman, Henry, & Carroll Sts. Madison WI

NR HIST PLACES

Ref No:	65006421
Property Name:	Mansion Hill Historic District
Status:	Eligible
State :	WISCONSIN
County:	Dane
City:	Madison
Street No:	Roughly bounded by Lake Mendota, Butler Gorham, Gilman, Henry, & Carroll Sts.
Request Type:	Federal DOE
Status Date:	1900-01-02
Restricted Address:	FALSE
Area of Significance:	
Category of Property:	DISTRICT
Listed Date:	
Name of Multiple Property List:	
Other Names:	
Property ID:	65006421

Appendix

AIAN Land Area Representations AIAN LAND AREA

The American Indian and Alaskan Native Land Area Representation (AIAN-LAR) dataset is the Bureau of Indian Affair's (BIA) official geospatial representation of American Indian land areas for federally recognized tribes. These digital land areas are representations of the location of Indian Land areas, which depict the external extent of Federal Indian reservations and the external extent of associated land "held in trust" by the United States, "restricted fee" or "mixed ownership" status for Federally recognized tribes and individual Native Americans. This dataset includes other land area types such as Public Domain Allotments, Dependent Indian Communities and Homesteads and is shared by the BIA's Office of Trust Services (OTS), Division of Land Titles and Records (DLTR), Branch of Geospatial Support (BOGS). No warranty is made by the BIA for the use of the data for purposes not intended by the BIA. The dataset is to be used as an illustration only. Content sourced from U.S. Environmental Protection Agency's Shared Enterprise Geodata and Services (SEGS).

Version Date: Nov 14, 2023

AM Radio Structures AM TOWERS

The Federal Communications Commission's (FCC) Media Bureau maintains this Consolidated Database System (CDBS) of Amplitude Modulation (AM) Radio Structures. The AM Broadcast Stations data contains full time stations that are using a non-directional antenna.

Version Date: Jul 21, 2023

Antenna Structure Registration ANTENNAS

The Antenna Structure Registration (ASR) System is an online system that stores the location, height, marking and lighting, and other information on all antenna structures that are registered with the Federal Communications Commission (FCC). Antenna structure owners must use the ASR system to file new antenna structure registrations. Antenna structure owners also use the system to file updates to registrations such as modifications to existing structures, notifications of construction, and ownership changes.

Version Date: Sep 24, 2023

Approved Acquisition Boundaries FWS APPROVED

This Approved Acquisition Boundaries dataset depicts the external boundaries of areas approved for acquisition of lands and waters by the U.S. Fish and Wildlife Service (USFWS) in North America, U.S. Trust Territories and Possessions from willing sellers. The primary source for this information is the USFWS Realty program. FWS Approved Acquisition Boundaries encompass land and/or water that the USFWS has authority to acquire in whole or in part for inclusion in the National Wildlife Refuge System. The USFWS gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data.

Version Date: Aug 8, 2023

Cellular Towers CELL TOWERS

The Cellular database is maintained by the Federal Communications Commission (FCC). Licensees use cellular radiotelephone service (commonly referred to as cellular) spectrum to provide a mobile telecommunications service for hire to the general public using cellular systems. Currently, cellular licensees must provide analog service, but may also provide digital service as well. Cellular licensees that operate digital networks may also offer advanced two-way data services. The FCC and other wireless industry representatives often refer to these services as "Mobile Telephone Services" and "Mobile Data Services."

Version Date: Feb 18, 2024

Cemetery Features US CEMETERIES

This cemeteries database originates with the U.S. Geologic Survey's (USGS) Structures data from The National Map (TNM). The database includes burial grounds, graves, graveyards, memorial gardens, mausoleums, columbariums, and crypts. Graves inundated by lakes or reservoirs, historic cemeteries, pet cemeteries, unnamed cemeteries and/or graves, funeral homes are excluded. There are two principal sources of cemetery data in the TNMCorps Structures database: USGS Topographic maps and the USGS Geographic Names Information System (GNIS).

Version Date: Oct 1, 2023

Appendix

Coastal Barrier Resource System COASTAL BARRIER

Coastal barriers are unique landforms that provide protection for diverse aquatic habitats and serve as the mainland's first defense against the impacts of severe coastal storms and erosion. The Coastal Barrier Resources System (CBRS) consists of relatively undeveloped coastal barriers and other areas located the Atlantic, Gulf of Mexico, Great Lakes, U.S. Virgin Islands, and Puerto Rico coasts. This CBRS data set, produced by the U.S. Fish and Wildlife Service (USFWS), contains areas designated as undeveloped coastal barriers in accordance with the Coastal Barrier Resources Act. This dataset includes CBRS Polygons and Prohibitions details. Polygons are representations of the boundaries shown on the official CBRS maps, and the boundaries were compiled between 12/6/2013 and 8/16/2023. Boundaries of the CBRS Units in Connecticut, Massachusetts, Rhode Island, and the Long Island portion of New York, were digitized from official paper maps according to the guidelines in a notice published in the Federal Register on August 29, 2013. The data set is NOT to be used for definitive in/out determinations within 20 feet of a CBRS boundary. USFWS is not responsible for any misuse or misinterpretation of this data, including use of the data to determine eligibility for Federal funding or financial assistance. Properties or structures that fall partially or entirely within the buffer area may be within the CBRS, and an official determination from the USFWS is recommended.

Version Date: Aug 16, 2023

Critical Habitats CRITICAL HABITATS

This Critical Habitat data, maintained by the U.S. Fish & Wildlife Service (USFWS), identifies general areas where final critical habitat exists for species listed as endangered or threatened. Critical habitats are areas considered essential for the conservation of a listed species. Special protections and/or restrictions are possible in areas where federal funding, permits, licenses, authorizations, or actions occur or are required. Critical habitat may include an area that is not currently occupied by the species but that will be needed for its recovery. An area is designated as "critical habitat" after the Service publishes a proposed Federal regulation in the Federal Register and receives and considers public comments on the proposal. The final boundaries of the critical habitat are also published in the Federal Register. In addition, the USFWS shall not be held liable for improper or incorrect use of the data described and/or contained herein. Graphical representations provided by the use of this data do not represent a legal description of the critical habitat boundary. The user is referred to the critical habitat textual description in the appropriate final rule for this species as published in the Federal Register. These data are to be used only in the context of the definition and purpose of critical habitat. This primarily relates to Section 7 consultation under the Endangered Species Act. These data may be used for planning and land management purposes. They are not to be used for legal survey use. While the Service makes every effort to represent the critical habitat shown with this data as completely and accurately as possible (given existing time and resource constraints), the USFWS gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of this data.

Version Date: Jul 25, 2023

Designated Areas of Critical Environmental Concern ACEC

This U.S. Department of Interior Bureau of Land Management (BLM) dataset contains the boundaries of Areas of Critical Environmental Concern that have become officially designated by the BLM. These designated areas are within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems or processes, or to protect life and safety from natural hazards.

Version Date: Aug 10, 2023

Digital Obstacle File DIGI OBSTACLES

The Digital Obstacle File (DOF) is maintained by the Federal Aviation Administration (FAA), Aeronautical Information Services. These man-made structures may affect air navigation therefore both the verified and unverified data is recorded in this database. The DOF describes all known obstacles of interest to aviation users in the United States, with limited coverage of the Pacific, the Caribbean, Canada, and Mexico.

Version Date: Dec 24, 2023

FEMA National Flood Hazard Layer FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Version Date: Nov 11, 2022

Appendix

FWS Species by County FWS COUNTY SPECIES

This Current Range County species data is sourced from the U.S. Fish and Wildlife Service's (FWS) Environmental Conservation Online System (ECOS) Species Data Explorer Dataset. Disclaimer: This source data is limited to Current Range County Species information, which is not considered a comprehensive list of all species that could apply beyond current spatial range or historically for a County, State and/or Lead Region. Additional Federal and/or State Listed species may apply beyond this listing. The data provided in this listing is for research purposes only. A complete species review consultation should be performed by a qualified biologist.

Version Date: Aug 4, 2023

FWS Species by State FWS STATE SPECIES

This Current Range State species data is sourced from the U.S. Fish and Wildlife Service's (FWS) Environmental Conservation Online System (ECOS) Species Data Explorer Dataset. Disclaimer: This source data is limited to Current Range State Species information, which is not considered a comprehensive list of all species that could apply beyond current spatial range or historically for a State and/or Lead Region. Additional Federal and/or State Listed species may apply beyond this listing. The data provided in this listing is for research purposes only. A complete species review consultation should be performed by a qualified biologist.

Version Date: Aug 8, 2023

Hospital Facilities HOSPITALS

This database contains locations of Hospitals for the 50 US states, Washington D.C., US territories of Puerto Rico, Guam, American Samoa, Northern Mariana Islands, Palau, and Virgin Islands. The dataset only includes hospital facilities based on data acquired from various state departments or federal sources which has been referenced in the SOURCE field. Hospital facilities which do not occur in these sources will be not present in the database. Nursing homes and health centers are also not included. The data contains Hospitals derived from various sources for the Homeland Infrastructure Foundation-Level Data (HIFLD) database.

Version Date: Jan 31, 2023

Indian Reservations USCB IND RESERV

This American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas dataset is a select geographic and cartographic section from the 2023 118th Congressional District TIGER/Line extracts of the U.S. Census Bureau's (USCB) Master Address File/Topologically Integrated Geographic Encoding and Referencing (TIGER) System (MTS). The AIANNH Areas include the following entities: Federally-Recognized American Indian Reservations (Federal AIRs), State-Recognized American Indian Reservations (State AIRs), American Indian Trust Lands, Hawaiian Home Lands (HHLs), and Joint-Use Areas (Legal). The Bureau of Indian Affairs within the U.S. Department of Interior publishes a list of federally recognized tribal governments in the Federal Register, and the USCB contacts representatives of these federally recognized American Indian tribal governments to identify the boundaries for Federal AIRs. A governor-appointed state liaison provides the names and boundaries for State AIRs to the USCB. The USCB obtains the names and boundaries for HHLs from State officials. Joint-Use Areas (Legal) designate land administered jointly and/or claimed by two or more federally recognized American Indian tribes. The boundary information in the TIGER/Line data is for statistical data collection and tabulation purposes only.

Version Date: Nov 22, 2023

NCES Postsecondary Schools NCES PSEC SCHOOL

This dataset contains the locations of postsecondary schools from the 2021-2022 School Year as collected by the National Center for Education Statistics (NCES) Integrated Postsecondary Education Data System (IPEDS), an annual survey of institutional characteristics about colleges and universities. The data is created by the NCES's Education Demographic and Geographic Estimate (EDGE) program.

Version Date: Mar 10, 2022

NCES Private Schools NCES PRIV SCHOOL

This dataset contains the locations of private schools from the 2019-2020 School Year as collected by the National Center for Education Statistics (NCES) Private School Survey (PSS). The PSS is a biennial collection of private elementary and secondary schools. The data is created by the NCES's Education Demographic and Geographic Estimate (EDGE) program.

Version Date: Jan 19, 2021

Appendix

NCES Public Schools NCES PUBL SCHOOL

This dataset contains the locations of public elementary and secondary schools (Kindergarten through 12th grade) based on data reported in the National Center for Education Statistics (NCES) Common Core of Data (CCD) for the 2022-2023 School Year. The CCD universe is a collection of administrative data about enrollment, staffing, and program participation for schools, local education agencies (LEAs), and state education agencies (SEAs). SEAs report data to the U.S. Department of Education in a series of file submissions throughout the school year. This data is created by the NCES's Education Demographic and Geographic Estimate (EDGE) program.

Version Date: Jan 30, 2024

National Historic Landmarks NR HIST LNDMARK

This National Park Service (NPS) database is a list of historic places that have tremendous importance in maintaining the heritage of the United States. The Secretary of the Interior decides on designation if the site possesses national significance.

Version Date: Jan 19, 2023

National Natural Landmark Sites NATURAL LNDMARK

The National Natural Landmarks (NNL) Program recognizes and encourages the conservation of sites that contain outstanding biological and geological resources. This database includes NNL point data for Non-Sensitive sites as designated by the Secretary of the Interior for their condition, illustrative character, rarity, diversity, and value to science and education. Private and/or resource sensitive sites are excluded. The National Park Service (NPS) administers the program and works cooperatively with landowners, managers and partners to promote conservation and appreciation of our nation's natural heritage.

Version Date: Feb 16, 2023

National Register of Historic Places NR HIST PLACES

This database maintained by the National Park Service (NPS) contains a variety of places including districts, sites, buildings, structures, and objects. These places are chosen because they are significant in American history. Information is collected for each of the sites and is compiled into the National Register of Historic Places. Note on agency provided geospatial locations: Point and polygon features apply only to unrestricted/non-sensitive historic properties with a Listed status. These locations may have notable accuracy issues, especially the polygon data.

Version Date: Jan 19, 2023

National Wild And Scenic Rivers System RIVERS

This United States Department of Agriculture (USDA) Forest Service dataset depicts the classification of each wild and scenic river segment designated by Congress and the Secretary of the Interior for the United States and Puerto Rico. The layer was created by a multi-agency effort including the US Forest Service, National Park Service, Bureau of Land Management and the Fish and Wildlife Service. Spatial data referenced to the latest High Resolution National Hydrological Data Layer (NHD 1:24,000 Scale or better), published by United States Geological Survey. "Wild" rivers are free of dams, generally inaccessible except by trail, and represent vestiges of primitive America. "Scenic" rivers are free of dams, with shorelines or watersheds still largely primitive and shorelines largely undeveloped, but accessible in places by roads. "Recreational" rivers are readily accessible by road or railroad, may have some development along their shorelines, and may have been dammed in the past. The USDA Forest Service makes no warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose, nor assumes any legal liability or responsibility for the accuracy, reliability, completeness, or utility of these geospatial data, or for the improper or incorrect use of these geospatial data. The data are dynamic and may change over time. The user is responsible to verify the limitations of the geospatial data and to use the data accordingly.

Version Date: Dec 1, 2023

National Wildlife Refuge System FWS REFUGES

The National Wildlife Refuge System Inventory is a database that is maintained by the U.S. Fish and Wildlife Service (USFWS). Refuges are a system of Federal lands and waters chosen specifically for their value to the wildlife. These refuges are managed to protect the wildlife and habitat resources. This data depicts lands and waters administered by the USFWS in North America, U.S. Trust Territories and Possessions. Data includes the USFWS Realty Program's Tracts Simplified Boundaries (boundaries representing tracts of land in which the Service has a real estate interest - not all areas are open to the public; some fragile habitats need to be protected from human traffic and some management areas are closed; lands administered include National Wildlife Refuges, National Fish Hatcheries, FWS administrative sites, and other conservation areas.) and Special Designation Areas (special areas, such as wilderness, are primarily designated by the U.S. Congress). The USFWS gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data.

Version Date: Dec 16, 2022

Appendix

Nursing Homes NURSING HOMES

In December 2020, the Nursing Home Compare website was retired and replaced by the new Care Compare website (CMS.gov). This Provider Information database is provided by the Centers for Medicare & Medicaid Services (CMS), which includes general information on currently active nursing homes nationwide.

Version Date: Jun 28, 2023

Places of Worship WORSHIP PLACES

The Places of Worship dataset provides a national dataset that contains places of worship (e.g. churches, temples, mosques, and so on) for the publics use. This dataset is provided by the Homeland Infrastructure Foundation-Level Data (HIFLD), and the original dataset was created from the IRS master files containing the public national record of all 501(c)(3) non-profit organizations.

Version Date: May 25, 2021

Tribal Leaders Directory BIA TRIB LEADERS

The Tribal Leaders Directory provides contact information for each federally recognized tribe and is sourced from the U.S. Department of Interior's Bureau of Indian Affairs (BIA). Disclaimer: This Directory is not an official listing of federally recognized Tribes. It should be used in conjunction with the Federal Register Notice of Indian Entities Recognized and Eligible to Receive Services from the U.S. BIA (81 Fed. Reg. 26826). As Tribal elections and other changes in Tribal leadership occur at various times throughout the year, the Directory's information is the most currently available at the time of its update and approval. These general locations of Tribal and federal offices not to be used for legal purposes, and the BIA does not guarantee the accuracy of this information.

Version Date: Oct 16, 2023

U.S. Fish & Wildlife Service Wetland Data US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

Version Date: Oct 6, 2022

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Appendix H

Endangered Resources Review

State of Wisconsin / DEPARTMENT OF NATURAL RESOURCES

Tony Evers, Governor
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

101 S. Webster St.
Box 7921
Madison, WI 53707-7921

April 5, 2024

Bill Honea
Ayres Associates
3376 Packerland Drive
Ashwaubenon, WI 54115

SUBJECT: Endangered Resources Review (ERR Log # 24-258)
Proposed Lakeshore Nature Preserve Outreach Center, Dane County, WI (T07N R09E S16)

Dear Bill Honea,

The Bureau of Natural Heritage Conservation has reviewed the proposed project described in the Endangered Resources (ER) Review Request received March 8, 2024. The complete ER Review for this proposed project is attached and follow-up actions are summarized below:

Required Actions: 2 species
Recommended Actions: 9 species
No Follow-Up Actions: 2 species
Additional Recommendations Specified: Yes

This ER Review may contain Natural Heritage Inventory data (http://dnr.wi.gov/topic/NHI), including specific locations of endangered resources, which are considered sensitive and are not subject toWisconsin's Open Records Law. Information contained in this ER Review may be shared with individuals who need this information in order to carry out specific roles in the planning, permitting, and implementation of the proposed project. **Specific locations of endangered resources may not be released or reproduced in any publicly disseminated documents.**

The attached ER Review is for informational purposes and only addresses endangered resources issues. **This ER Review does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.** Please contact the ER Review Program whenever the project plans change, new details become available, or more than a year has passed to confirm if results of this ER Review are still valid.

Please contact me at 608-419-2005 or via email at anna.rossler@wi.gov if you have any questions about this ER Review.

Sincerely,

Anna Rossler
Endangered Resources Review Program

cc:

Appendix I

Historical and Archaeological Review

From:	Scott Utter
To:	Banach, Mitchell; pbloechl@uwsa.edu
Cc:	Aaron Williams
Subject:	FW: SHPO Review: 24-0959/DA - UW- Madison- Lakeshore Nature Preserve Outreach Center
Date:	Wednesday, May 22, 2024 1:33:52 PM
Attachments:	240514_SHPO Cover Letter_Preserve Center_44.40.pdf

Mitchell,
Please see below and attached.

Scott Utter
Director of Campus Planning and Landscape Architecture
University of Wisconsin - FP&M
21 N. Park STE 6101
Madison, WI 53715

Cell: (608) 286-8130

Facilities Planning & Management
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From: tyler.howe@wisconsinhistory.org <tyler.howe@wisconsinhistory.org>
Sent: Wednesday, May 22, 2024 12:25 PM
To: Scott Utter <scott.utter@wisc.edu>
Subject: SHPO Review: 24-0959/DA - UW- Madison- Lakeshore Nature Preserve Outreach Center

Good morning, Scott:

We have completed review of WHS #24-0959, UW- Madison- Lakeshore Nature Preserve Outreach Center project. We find that the project will have no adverse effect on historic properties within the APE providing the following conditions are met:

1). Continued consultation with our office for proposed utilities lines within the exterior boundaries of 47DA0413 – Eagle Heights Field, as per your letter of 14 May 2024.

2). Continued consultation with our office for proposed ground disturbing activities within the exterior boundaries of 47DA1225 – Unnamed Site, as per your letter of 14 May 2024.

3). Continued consultation with our office for proposed ground disturbing activities within the exterior boundaries of the "Park and Pleasure Drive Alignment – Not listed on the State AHI," as per your letter of 14 May 2024.

With these three conditions in mind, it is the opinion of the WI SHPO you have fulfilled your Wis. Stats. 44.40 consultation requirements with our office for the other portions of the proposed state undertaking not named here. If your plans change or cultural materials/human remains are found during the project, please halt all work and contact our office.

Please use this email as your official SHPO concurrence for Wis. Stats. 44.40 requirements of the project for those portions of the proposed undertaking not listed here. If you require a hard

copy signed form, please contact me and I will provide you a signed copy as soon as possible.

Take care,

Tyler

Tyler B. Howe, PhD
Compliance Section Manager
State Historic Preservation Office

Wisconsin Historical Society
816 State Street, Madison, WI 53706

tyler.howe@wisconsinhistory.org

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PROPERTY RECORD

2002 UNIVERSITY BAY DR

Architecture and History Inventory

NAMES

Historic Name: **Picnic Point Gates**
Other Name: **Picnic Point Gates (UW#0130)**
Contributing:
Reference Number: **160632**

PROPERTY LOCATION

Location (Address): **2002 UNIVERSITY BAY DR**
County: **Dane**
City: **Madison**
Township/Village:
Unincorporated Community:
Town:
Range:
Direction:
Section:
Quarter Section:
Quarter/Quarter Section:

PROPERTY FEATURES

Year Built: **1930**
Additions:
Survey Date: **2009**
Historic Use: **wall**
Architectural Style: **Rustic Style**

Structural System:
Wall Material: **Stone - Unspecified**
Architect:
Other Buildings On Site:
Demolished?: **No**
Demolished Date:

NATIONAL AND STATE REGISTER OF HISTORIC PLACES

National/State Register Listing Name: **Not listed**
National Register Listing Date:
State Register Listing Date:

NOTES

Additional Information: These rubble gates led to the E.J. Young estate, which was acquired by the UW in 1951. They are the only resource remaining that was associated with the Young property and that was located on the 28-acre site the UW now owns.
Bibliographic References: University of Wisconsin-Madison: Preliminary Evaluation of Buildings and Structures for Eligibility for the National Register of Historic Places. September 2009.

RECORD LOCATION

Wisconsin Architecture and History Inventory, State Historic Preservation Office, Wisconsin Historical Society, Madison, Wisconsin

Have Questions?

If you didn't find the record you were looking for, or have other questions about historic preservation, please email us and we can help:

leah.penzkover@wisconsinhistory.org

If you have an update, correction, or addition to a record, please include this in your message:

- AHI number
- Information to be added or changed

- Source information

Note: When providing a historical fact, such as the story of a historic event or the name of an architect, be sure to list your sources. We will only create or update a property record if we can verify a submission is factual and accurate.

How to Cite

For the purposes of a bibliography entry or footnote, follow this model:

Wisconsin Architecture and History Inventory Citation

Wisconsin Historical Society, Wisconsin Architecture and History Inventory, "Historic Name", "Town", "County", "State", "Reference Number".

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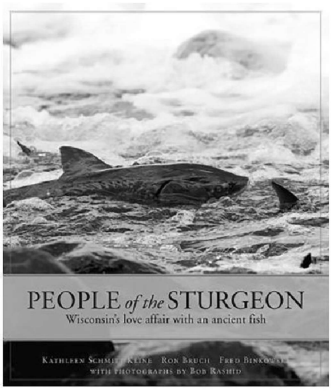


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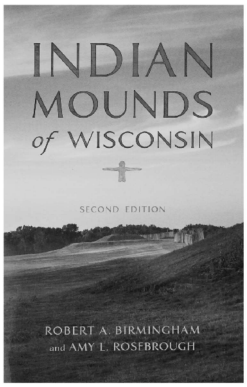
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portalwisconsin.org wisconsin.gov

PROPERTY RECORD

2275 UNIVERSITY BAY DR

Architecture and History Inventory

NAMES

Historic Name: **Marsh Pump House**
Other Name: **Marsh Pump House (UW#0112)**
Contributing:
Reference Number: **160526**

PROPERTY LOCATION

Location (Address): **2275 UNIVERSITY BAY DR**
County: **Dane**
City: **Madison**
Township/Village:
Unincorporated Community:
Town:
Range:
Direction:
Section:
Quarter Section:
Quarter/Quarter Section:

PROPERTY FEATURES

Year Built: **1968**
Additions:
Survey Date: **20092022**
Historic Use: **university or college building**
Architectural Style:

Structural System:
Wall Material: **Metal**
Architect: **Trachte**
Other Buildings On Site:
Demolished?: **No**
Demolished Date:

NATIONAL AND STATE REGISTER OF HISTORIC PLACES

National/State Register Listing Name: **Not listed**
National Register Listing Date:
State Register Listing Date:

NOTES

Additional Information:
Bibliographic References: University of Wisconsin-Madison: Update to the Preliminary Evaluation of Buildings and Structures for Eligibility for the National Register of Historic Places, June 13, 2023. University of Wisconsin-Madison: Preliminary Evaluation of Buildings and Structures for Eligibility for the National Register of Historic Places. September 2009.

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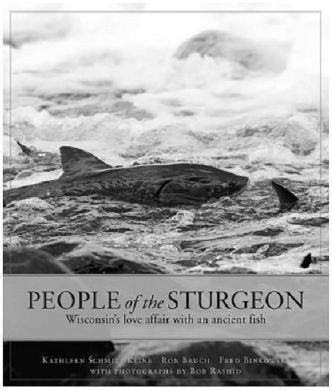


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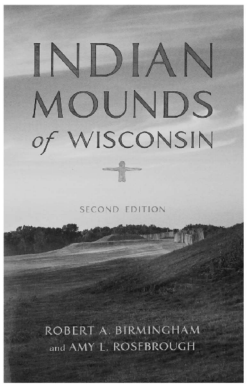
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