

BLD Data Request Update

Open Data Requests

i Data Requests within the “Open” Status are gathering information. The “Open” Status is the first step in the Data Request Process in which internal or external data users inquire about the NatureServe Network’s data products.

Summary	P	Client Type	Data Precision	Scope	Network Programs	Labels	Created
NSC - BLD Snapshot of Canadian EO data	=	Internal/In Network	Precise	<ol style="list-style-type: none"> 1. BLD Snapshot is taken (generally first weekend of the month) 2. In a semi-automatic process, a set of refresh artifacts is created for NatureServe Explorer and Explorer PRO 3. Publish/update the file geodatabase to Geodata, shared to the group assigned to this license (every month!) 	CA-All	RecurringMonthly	04/Jun/24 7:51 PM
NSC - BLD Snapshot of Canadian EO data	=	Internal/In Network	Precise	<ol style="list-style-type: none"> 1. BLD Snapshot is taken (generally first weekend of the month) 2. In a semi-automatic process, a set of refresh artifacts is created for NatureServe Explorer and Explorer PRO <ol style="list-style-type: none"> a. We might jerry rig this to also create an update for a file geodatabase for the Canadian precise EOs (THIS PARENT ISSUE) 3. Publish/update the file geodatabase to Geodata, shared to the group assigned to this license (every month!) 	CA-All	RecurringMonthly	04/Jun/24 7:49 PM
NSC - BLD Snapshot of Canadian EO data	=	Internal/In Network	Precise	<ol style="list-style-type: none"> 1. BLD Snapshot is taken (generally first weekend of the month) 2. In a semi-automatic process, a set of refresh artifacts is created for NatureServe Explorer and Explorer PRO 3. Publish/update the file geodatabase to Geodata, shared to the group assigned to this license (every month!) 	CA-All	RecurringMonthly	16/May/23 1:07 PM

3 issues

Estimating Data Requests

i Data Requests within the “Estimating” Status are being scoped out by the BLD team. In the “Estimating” Status, the BLD team estimates the level of effort and time needed to complete the data request.

Summary	P	Status	Client Type	Data Precision	Scope	Network Programs	Labels	Created
NCASI Data Delivery 2024-2026		ESTIMATING	NGO	Precise	The data provided under this NCASI License Agreement includes Element Occurrences and Species Habitat Models (as available) for G1/T1-G5/T5, S1-S5, and federal ESA status species and ecological communities that occur in the following states: Alabama, Arkansas, California, Florida, Georgia, Idaho, Illinois, Kentucky, Louisiana, Maine, Michigan, Minnesota, Mississippi, Montana, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Virginia, Washington, West Virginia, and Wisconsin.	US-AL, US-AR, US-CA, US-FL, US-GA, US-ID, US-IL, US-KY, US-LA, US-ME, US-MI, US-MN, US-MS, US-MT, US-NC, US-NY, US-OH, US-OK, US-OR, US-PA, US-SC, US-SD, US-TN, US-TX, US-VA, US-WA, US-WI, US-WV		Tuesday 3:29 PM
Everline Eco USA data request 2024		ESTIMATING	Private	Precise	Requesting precise EO data for GA, NV, NM, and TN for species and natural communities included in Eco USA definition which includes species listed under ESA, and all species and natural communities that are ranked G1 or G2. To be used to evaluate and	US-GA, US-NM, US-NN, US-NV, US-TN	Pipeline/EcoUSA	04/Jun/24 7:07 PM

address
infrastructure
changes that
mitigate potential
pipeline impacts.

Enbridge - 2024



ESTIMATING

Private

Precise


Enbridge Pipelines is requesting data to support their High Consequence Area (HCA) program in conjunction with the federal Eco USA program as defined in 49 CFR 195.450 & 195.6. Enbridge will use this dataset to analyze which assets and segments of pipeline have the potential to impact an HCA, either directly or indirectly. These potential impact locations are then used internally to help guide protection programs, by giving the Licensee a better understanding of the potential consequences an incident could have. The Precise Licensed Dataset" will be accessible only by users directly involved in the HCA analysis and IT/GIS staff involved in maintenance of the database. Access to species-blind licensed dataset will be granted on an ad-hoc basis to a limited set of internal staff, upon completion of necessary training and registration as a data user. Enbridge would have access to this data for one to two years.

CA-AB, CA-BC, CA-MB, CA-NT, CA-ON, CA-QC, CA-SK, US-IL,; US-IN,; US-KS, US-MI, US-MN, US-MO, US-MT, US-ND, US-NE, US-OH, US-OK, US-TX, US-WI, US-WY

Energy_sector

22/May/24 12:40 PM

This is a data refresh from 2023 which expires on September 29, 2024 and there are changes in the scope of species/ecological data from last year, there are slight changes to the collection area.

University of Toronto 	ESTIMATING	Academic	Precise	Precise EO Data (and Observations?) for eight bat species to conduct habitat modeling.	US-MI, US-OH	Conservation_Analysis	05/Sep/23 2:28 PM
- Bat Data Request Sept 2023							

4 issues


Waiting on Client Data Requests

 Data Requests within the "Waiting" Status are pending a response or decision from the client.


Summary	P	Status	Client Type	Data Precision	Scope	Network Programs	Labels	Created	Estimated Cost
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No issues found

In Progress Data Requests

 Data Requests within the "In Progress" Status are currently being completed. The "In Progress" Status means the client has accepted the proposed estimate. Most data request work is completed under this task, so each request will remain in the "In Progress" status for a longer period of time comparatively.

Summary	P	Status	Client Type	Data Precision	Scope
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USDA NRCS 	IN PROGRESS	Fed Agency	precise	<p>The USDA NRCS is requesting non-spatial data from NatureServe to support the NRCS easement programs as it seeks to reauthorize the Farm Bill. NRCS will need an accounting the overlap between the roughly 4 million acres of NRCS conservation easements and Federally-listed species as well as other species that are critically imperiled (N1S1) or impe (N2S2). Attached is a spreadsheet that identifies potential output from the analysis. We don need to know precise locations as output, but precise locations will be necessary for you to the assessment for us. The area of interest is NRCS easements--geospatial coverage can I obtained from our public facing website at https://nrcsgeoservices.sc.egov.usda.gov/arcgis/rest/services/easements/easements/MapS</p> <p>How do you want to define the geographic scope: All_States Spatial or non-spatial data request: Non-spatial Data Individual selected states requested: Individual selected provinces requested: If U.S. & Canada, selected states & provinces requested: Format requested for non-spatial data :Excel_Spreadsheet Format requested for spatial data: Purpose: The results of this analysis will be used internally and externally to support NRCS</p>	
February 2024					

easement programs within USDA and Congress as it seeks to reauthorize the Farm Bill containing the authority for easement acquisition. We don't need the raw data, just the results of the assessment. Only assessment output, not spatial data, will be used in any publications or on-line resources.

Publication: Yes

If used for publication, how will the data be used: Output numbers generated from your assessment may be used on the NRCS Easements web page

<https://www.nrcs.usda.gov/programs-initiatives/easements> or products or reports highlighting general


value of NRCS easements to at-risk species.

How long do you need access: One to two years

Response URL: <https://survey123.arcgis.com/share/382ba5d44d194dc9851dd879ae8874c?mode=edit&globalId=>

{5DF49898-6D1F-4528-88E7-25F0364CA127}


&hide=navbar,footer&version=latest


National Park  **IN PROGRESS** NGO Precise
 Service Analysis -
 Pilot Project 2024

Use EO data and habitat models to identify RSGCNS and other species of interest to the NPS that are located (or potentially located) in and around Congaree NP, Chesapeake & OH CAI NP, and GW Memorial Parkway to help guide park managers in developing land management plans. Analysis would be provided by Natural Landscape Blocks which vary in size.




2 issues

Complete Data Requests

 Data Requests within the "Complete" Status are closed out. The "Complete" Status is the final step in the Data Request Process in which invoices have been paid and budget centers have been closed.

Summary	P	Status	Client Type	Data Precision	Scope	Netw Prog
Holly Energy Data Refresh - 2024		COMPLETE	Private	Precise	<p>Refresh of annual data along pipeline to inform development of high consequence area spill modeling to meet Eco USA requirements. Added additional areas along pipeline in Wyoming, Colorado, Iowa, Missouri, Washington, Kansas, and Navajo Nation. NOTE: Navajo Nation never responded about permissions last time, so their data was not included.</p> <p>Geographic Scope (counties in requested scope for 2023):</p> <p>CO – Adams, Denver, Larimer, Weld; IA – Lee; ID – Elmore; KS – Butler, Cowley, Johnson; MO – Adair, Carroll, Chariton, Clark, Jackson, Knox, Linn, Macon, Ray, Scotland; NE – Cheyenne, Deuel, Keith, Kimball, Lincoln; NM – Chaves, Eddy, Lea, Otero, San Juan, Torrance; NV – Clark, Lincoln; OK – Cotton, Creek, Jefferson, Lincoln, Osage, Pawnee, Payne, Stephens, Tulsa; TX – Andrews, Archer, Baylor, Clay, Cochran, Culberson, Ector, El Paso, Gaines, Haskell, Hockley, Howard, Hudspeth, Jones, Loving, Midland, Mitchell, Nolan, Reeves, Shackelford, Taylor, Throckmorton, Wichita, Winkler, Yoakum; UT – Beaver, Davis, Iron, Juab, Millard, Morgan, Rich, Salt Lake, Summit, Tooele, Washington, Weber; WA – Spokane; WY – Albany, Carbon, Converse, Fremont, Laramie, Natrona, Platte, Sweetwater, Uinta</p> <p>Updated Geographic Scope for 2024 (Refer to attached email thread under permissions task):</p> <p>CO - Adams, Denver, Larimer, Weld; ID - Elmore, Ada, Cassia; IA - Adams, Lee; KS - Butler, Cowley, Johnson, Wyandotte; MO - Adair, Carroll, Chariton, Clark, Jackson, Knox, Linn, Macon, Ray, Scotland; NE - Cheyenne, Deuel, Keith, Kimball, Lincoln; NV - Clark, Lincoln; NM - Chaves, Eddy, Lea, San Juan, Torrance; OK - Creek, Lincoln, Osage, Pawnee, Payne, Tulsa, Rogers; TX - Archer, Baylor, Clay, Cochran, Culberson, Ector, El Paso, Gaines, Haskell, Hockley, Howard, Hudspeth, Jones, Loving, Midland, Mitchell, Nolan, Reeves, Shackelford, Taylor, Throckmorton, Wichita, Winkler, Yoakum, Delta; UT - Beaver, Davis, Iron, Juab, Millard, Morgan, Rich, Salt Lake, Summit,</p>	US-CO,, ID,, US-IA,, US-NE,, US-NN, OK, US-OK, US-TX,, US-WA,,

Tooele, Washington, Weber; WA - Spokane; WY - Albany, Carbon, Converse, Fremont, Laramie, Natrona, Platte, Sweetwater, Uinta; Navajo Nation

Center for Biological Diversity Request for Grank Analysis Jan 2024		COMPLETE	NGO	Tabular	Comparison of GRanks from 2018.	US-All
Southeast Aquatic Resources Partnership HUC12 Request 2024		COMPLETE	NGO	HUC12	<p>Organization/Individual Requesting Data: Southeast Aquatic Resource Partnership (SARP) is requesting tabular data for groups of species within HUC12 watersheds for states in the west, northeast, and midwest. SARP is a regional collaboration of natural resource and science agencies, conservation organizations, and private interests developed to strengthen the management and conservation of aquatic resources in the southeastern United States. SARP is a joint party committee created by the SEAFWA Directors to complete the mission of conserving aquatic habitats across political boundaries (more under SEAFWA http://www.seafwa.org/committees/southeast_aquatic_resources_partnership/).</p> <p>Purpose: SARP has an Aquatic Connectivity Program and they are planning to use the data to guide inventories and the prioritization of dam and road related barriers for removal, based on ecological metrics. In addition, SARP will use our data to provide the number of threatened and endangered species, number of state listed species, and number of species of greatest conservation need within a HUC12 in their SARP tool. Visit the tool here: National Aquatic Barrier Inventory & Prioritization Tool (aquaticbarriers.org). Species names will not be visible in the tool.</p> <p>Scope of Data: HUC 12 summaries of aquatic species (TE, SGCN) for mussels, fishes, crayfishes, reptiles, and amphibians. Data will be provided as excel tables with the attributes listed below for the following states: AK, AZ, CA, CO*, CT, DE, ID*, IL, IN, IA*, KS*, ME, MD, MI, MN, MT, NE*, NV, NH, NJ, NM*, NY, ND*, NN*, OH, OR*, PA, SD*, TV, UT*, VT, WA, WI, WY*.</p> <p>SARP requested that we use the HUC12_Alb83 boundary layer.</p> <p>*Indicates states that SARP requested data from last year. The popularity of the SARP tool has brought in support for expanding the tool beyond the southeast, thus the expanded scope of this data request.</p> <p>Data Sensitivity: We are not delivering spatial data to SARP (only tabular data listed above), they are just reporting the number of species by HUC 12 on their tool (no species names). We don't think there are any data sensitivity issues.</p>	US-AL, U CA, US-I US-DE, I IA, US-IE US-IN, U MD, US- US-MN, ND, US- US-NJ, U NV, US-I US-OR, RI, US-S US-VT, U WI, US-V
BLM West dataset 2023-24		COMPLETE	Fed Agency	Precise	<p>Organization/Individual Requesting Data: The Bureau of Land Management (BLM) is requesting a refresh of precise Element Occurrence (EO), source features, and habitat model data for all taxa with a listed status or ranked by NatureServe as imperiled or critically imperiled (G1 or G2) for states in the west, including Alaska, Arizona, California, Colorado, Idaho, Montana, North Dakota, New Mexico, Navajo Nation lands, Nevada, Oregon, South Dakota, Utah, Washington, and Wyoming.</p> <p>Purpose: The BLM will use the Licensed Dataset to assess at-risk plants and animals on and around BLM lands. The use of the Licensed Data will allow the Licensee to quickly determine where BLM Special Status Species occur at varying landscape scales not limited to state, field, or district boundaries. This standardized data will provide efficiencies in national and regional inquiries, both internal and external, regarding BLM's habitat management role for sensitive species. Access to the clients' unique Licensed Dataset requires a unique password for each Certified Data User. Certified Data Users must complete NatureServe's Data Use Training and review their organization's Data License Agreement terms.</p> <p>Scope of Data:</p> <p>Precise location data for all taxa with a status under the U.S. Endangered Species Act, included on the BLM special status list, and/or ranked by NatureServe as imperiled or critically imperiled (G1-G2) for western states listed above.</p>	US-AK, I CA, US-I US-ND, NN, US- US-SD, I WA, US-

Mode of Delivery:

The Licensed Dataset (species EOs, SFs, and models defined above) will be provided to BLM via NatureServe's secure password protected [Explorer Pro mapping tool](#), and via the Explorer Pro geodata portal.

PHMSA_ECOUSA_FY 
2023-24

COMPLETE

Fed Agency Precise

DOT's Pipeline and Hazardous Materials Safety Administration (PHMSA) is required to provide pipeline operators with an updated Eco USA dataset every five years as outlined in Title 49, Section 195.6. NatureServe has been contracted to provide PHMSA with a 5-year license and we will refresh the data after 2.5 years. Eco USA data includes EO species blind data in combination with other external biodiversity datasets required under the regulation to inform the development of existing liquid hazardous pipeline Integrity management plans.

Background

1. PHMSA is required to provide pipeline operators with an updated EcoUSA dataset every five years as outlined in [Title 49, Section 195.6](#). Thus, the RFP requires that we provide PHMSA with a 5-year license, but we have negotiated a requirement to refresh the data after 2.5 years and will work with PHMSA to automate that process.
2. The EcoUSA dataset will be:
 - a. **species blind** and will not include any attribute information other than a unique ID and the name of the organization(s) where the data originated (sometimes EcoUSA polygons include data from more than one source),
 - b. provided to PHMSA, and PHMSA will provide subsets of the data to pipeline operators based on their area of operation (the entire dataset will not be provided to pipeline operators), and
 - c. an integration of EO data, and other data, and requires an analysis using guidelines provided by PHMSA (based on the federal register definitions).
3. The EcoUSA dataset must include NatureServe data but also requires integration of several national datasets and this time PHMSA is requiring that we fill in any data gaps with other datasets that are available (including other state level datasets) so we will be in touch with you about that once the proposal is funded.
 - a. National datasets required in the EcoUSA: NatureServe Network EO data, NOAA's depleted marine mammal areas data, NOAA's Environmental Sensitivity Index (ESI) data, EPA's National Hydrologic Dataset (NHDPlusV2), and Ramsar Sites or Western Hemisphere Shorebird Reserve Network sites designated under the RAMSAR Convention.
4. All of the specifications listed above will be part of a data license agreement with PHMSA including the requirement to get a refresh after 2.5 years and obtain another update again after 5 years or discontinue use of the dataset.

Duke Energy - 2023 

COMPLETE

Private Precise

Requestor Background & Purpose: [Duke Energy](#), one of America's largest energy holding companies, is headquartered in Charlotte, NC. The Licensed Dataset will be uploaded into their EHS Viewer giving the licensee location information for sensitive resources that can be applied to upcoming projects and annual maintenance.

Taxonomic Scope:

1. A Federal status
2. State protection status

Geographic Scope: Data will be provided for a selection of counties that includes data from portions of the following states: FL, IN, KY, OH, NC, SC, and TN.

Mode of Delivery:

US-All

US-FL, U
KY, US-N
US-SC, I

The Licensed Dataset will be provided to Duke Energy in a password protected file geodatabase.

Data Users:

Access to the clients' unique Licensed Dataset requires a unique password for each Certified Data User. Certified Data Users must complete NatureServe's [Data Use Training](#) and review their organization's Data License Agreement terms.

ONEOK EO Data Refresh October 2023	🔺	COMPLETE	Private	Precise	<p>Requestor Background:</p> <p>Katherine Cawley with OneOK is requesting a refresh of the spatial data near their pipeline operations. OneOK is a diversified energy company, headquartered in Tulsa, OK (http://www.oneok.com/).</p> <p>Scope of Request:</p> <p>Precise locations (EOs) for all species that occur near pipelines for all species that are federally listed or have a (Grank) of G1 or G2.</p> <p>Geographic Scope:</p> <p>EOs that occur near pipelines in the following states: CO, IA, IL, IN, KS, MO, MT, ND, NE, NM, OK, SD, TX, WY.</p> <p>Mode of Delivery:</p> <p>Shapefile</p> <p>Purpose of Request:</p> <p>Under Federal regulations, OneOK is responsible for understanding where its operating footprint could affect High Consequence Areas (HCA) and has contacted NatureServe requesting data to update their Integrity Management Plan and information about Ecologically Sensitive HCA. Data will be used internally by OneOK for these purposes.</p>	US-CO, IL, US-IN, US-MO, ND, US-NM,, US-SD,, US-
Colonial Pipeline Company - 2023	=	COMPLETE	Private	Precise	<p>Organization/Individual Requesting Data: Colonial Pipeline is the largest refined products pipeline in the United States. For more than 60 years, Colonial Pipeline has safely and responsibly transported energy to serve American communities, commerce, air travelers, and military installations. Colonial is America's largest refined products pipeline, delivering more than 100 million gallons of fuel daily to customers on a system stretching from Houston to the New York Harbor.</p> <p>Purpose: Colonial is requesting precise data that will be used internally only to evaluate and assess potential impacts from operations and activities as a petroleum products transportation pipeline company.</p> <p>Scope of Data: EO data for species and communities ranked G1/T1-G3/T3 or with a federal status in the following states: Alabama, Delaware, Georgia, Louisiana, Maryland, Mississippi, North Carolina, New Jersey, New York, Pennsylvania, South Carolina, Tennessee, Texas, and Virginia.</p> <p>Mode of Delivery: The Licensed Dataset will be provided to Colonial Pipelines in a file geodatabase.</p>	US-AL, U GA, US- US-MS, NJ, US-N US-SC, I TX, US-\
FWS SE Region - Data Delivery 2023	=	COMPLETE	Fed Agency	Precise	<p>Data will be used to e used to: 1) inform multi-jurisdictional Species Status Assessments (SSAs), 2) integrate into the Federal Trust Species Catalogue to guide strategic workforce planning, 3) document potential "co-benefits" of projects & initiatives, and 4) use in other tools and projects in the southeast including work on the Southeast Blueprint, collaboration with SECAS, and evaluation of large landscapes.</p>	US-AL, U FL, US-C US-LA, U MS, US- US-SC, I TVA, US US-WV
NCASI Data Delivery 2023	=	COMPLETE	Private	Precise	<p>Organization/Individual Requesting Data: National Council for Air and Stream Improvement, Inc. (NCASI) is requesting precise data for various states within the U.S. to better understand the distribution of rare species relative to forest management planning and practices (see Purpose below). One primary role of NCASI is supporting its members adherence to key sustainable certification standards such as the Sustainable Forestry Initiative® (SFI) and Forest Stewardship Council® (FSC) standards. NCASI has 80 U.S. member companies and 33 Canadian Member Companies, and</p>	US-AL, U CA, US-I US-KY, U ME, US- US-MS, NC, US- US-OK,

NatureServe's most comprehensive data holdings are for the U.S. and Canada allowing us to provide data for the geographic area that NCASI serves.

US-PA, U
TN, US-
US-VA, U
US-WI, U

This License Agreement entitles only NCASI employees, employees of NCASI participating Members Companies listed in Attachment 1, or contractors to NCASI and these NCASI Member Companies (hereinafter "Data Users") to have direct access to the Licensed Dataset for the purposes outlined in Attachment 1 for two years. All Data Users must register with NatureServe as a Level 1 or Level 2 Data User following the guidelines below.

Two types of Users:

i. Level 1 Data User: Data Users who interact directly with the electronic Licensed Dataset (in the NCASI or NCASI Member Company data management system) are required to complete NatureServe Data Use Training that automatically registers these individuals as NatureServe Level 1 Data Users. Data Use Training is available at:

<https://www.natureserve.org/conservation-tools/natureserve-learning-center/fundamental-skill-building/data-use-training-request>.

ii. Level 2 Data User: Data Users who are only viewing the data as an electronic or paper report or map and are not interacting directly with the raw species location data, are not required to take the NatureServe Data Use Training. However, to allow users access to the data as a registered Level 2 Data User the Licensee is required to do the following:

a. For Level 2 users, exclude the species names on reports, maps, or presentations. Or, if species names and locations are included, mark each page of the report, map, or presentation with the words "Confidential, sensitive data. For internal use only", unless such products display or describe species at geographic scales expressly defined as allowable for external parties in section IV. D. below.

b. Provide Level 2 Data Users with an abbreviated summary of data use terms (provided by NatureServe), and to confirm that these Level 2 Data Users have read and understand these terms. The abbreviated summary will include a summary of the terms of this License and information about the sensitive nature of the data.

Companies participating:

1. Drax Biomass
2. Enviva Biomass
3. Evergreen Packaging
4. Greenwood Resources
5. Hancock Nat. Res. Group
6. Louisiana-Pacific Corporation
7. Molpus Woodlands Group
8. Packing Corporation of American
9. Rayonier
10. Resource Management Services, LLC
11. Westervelt
12. Weyerhaeuser

Purpose:

Precise species and habitat model data for various states within the US to better understand the distribution of rare species relative to forest management, screen forestry operations for proximity to rare species and communities to minimize potential negative effects, and inform implementation of management practices conducive to the species or communities.

Scope of Data:

Statewide data for following states: AL, AR, CA, FL, GA, ID, KY, LA, ME, MI, MN, MS, MT, NC, NY, OH, OK, OR, PA, SC, TN, TX, VA, WA, WI, WV.

<p>FESTF Data Delivery 2023</p>	<p>COMPLETE</p>	<p>Private</p>	<p>Precise</p>	<p>Organization/Individual Requesting Data: The FIFRA Endangered Species Task Force L.L.C. ("FESTF") is requesting precise data for the US to identify endangered species that may be affected by outdoor uses of a wide range of pesticide products and avoid adverse effects on the environment, including endangered species and habitat.</p> <p>FESTF has been formed to provide for the acquisition and development of, or to secure access to, endangered species data and data analyses required by the United States Environmental Protection Agency ("EPA") under the Federal Insecticide, Fungicide, and Rodenticide Act ("FIFRA") and the Endangered Species Act ("ESA") to satisfy requirements related to, or for conducting risk assessments of, the potential for impacts of member company pesticide products on any species listed or proposed for listing as threatened or endangered under the ESA ("T&E species"). FESTF has developed, and is the sole owner of, a proprietary information management system ("Gopher") for satisfying the data registration and re-registration obligations of its members under FIFRA, and intends to (1) maintain the validated and populated Gopher, (2) provide EPA and other Federal agencies (as specified in this License Agreement) with access to the validated Gopher for use in conducting pesticide risk assessments on T&E species, and (3) meet any other requirements or needs for which the FESTF members may legally rely on T&E species data to support the evaluation and defense of pesticide products under the terms specified in this License Agreement. More information can be found at FESTF.ORG – FIFRA Endangered Species Taskforce.</p> <p>Purpose: NatureServe will work with FESTF to evaluate and implement a more streamlined approach to integrating the Licensed Dataset and Habitat Suitability Models for T&E species data into the FESTF Gopher system by using NatureServe Explorer, an Application Programming Interface (API) that allows two applications to talk to each other, or other methods of data integration. This deliverable would include evaluating the Gopher data model to identify opportunities for Gopher to directly access NatureServe element attribute data via the comprehensive NatureServe Explorer API library.</p> <p>Scope of Data: The data provided to the FESTF under this License Agreement includes documented locations and suitable habitat models for T&E species that have a status under the Endangered Species Act (ESA). Details about the data provided are provided in the Data License Agreement.</p> <p>In addition to integrating the Licensed Dataset in the FESTF Gopher system, NatureServe will provide FESTF Data Users with a subscription to NatureServe Explorer Pro starting in September 2021. This subscription will allow FESTF Data Users to interact directly with documented locations and predictive habitat models for T&E species with a status under the ESA for the uses described in Section V. below. FESTF Data Users will have the ability to query and generate reports for specific species or groups of species, or for areas drawn or uploaded. Explorer Pro also allows users to download or stream data into local GIS systems using APIs.</p> <p>Data Sensitivity: Only certain groups that are identified in the Data License Agreement 2021-2023 (Appendix 1) have access to the Licensed Dataset.</p> <p>NatureServe shall provide permission for FESTF to continue its use of the 2019-2021 licensed dataset (currently within FESTF possession as provided under the parties' Fourth Amended and Restated Agreement for License of Threatened and Endangered Species Data and Support Services, as amended on May 2, 2019) until the Licensed Dataset is delivered. The Licensed Dataset will be delivered on or about October 1st, 2021, and will expire 24 months after the acceptance of the Licensed Dataset by FESTF (the "Activation Date").</p>	<p>US-AI</p>
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<p>BLM West BLD - 2022-23</p>	<p>COMPLETE</p>	<p>Fed Agency</p>	<p>Precise</p>	<p>Organization/Individual Requesting Data: The Bureau of Land Management (BLM) is requesting a refresh of precise Element Occurrence (EO), source features, and habitat model data for all taxa with a listed status or ranked by NatureServe as imperiled or critically imperiled (G1 or G2) for states in the west, including Alaska, Arizona, California, Colorado, Idaho, Montana, North Dakota, New Mexico, Navajo Nation lands, Nevada, Oregon, South Dakota, Utah, Washington, and Wyoming.</p>	<p>US-AK, I CA, US-I US-MT, I NM, US- US-OR,, US-UT, I WY</p>
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Purpose: The BLM will use the Licensed Dataset to assess at-risk plants and animals on and around BLM lands. The use of the Licensed Data will allow the Licensee to quickly determine where BLM Special Status Species occur at varying landscape scales not limited to state, field, or district boundaries. This standardized data will provide efficiencies in national and regional inquiries, both internal and external, regarding BLM's habitat management role for sensitive species. Access to the clients' unique Licensed Dataset requires a unique password for each Certified Data User. Certified Data Users must complete NatureServe's [Data Use Training](#) and review their organization's Data License Agreement terms.

Scope of Data:

Precise location data for all taxa with a status under the U.S. Endangered Species Act, included on the BLM special status list, and/or ranked by NatureServe as imperiled or critically imperiled (G1-G2) for western states listed above.

Mode of Delivery:

The Licensed Dataset (species EOs, SFs, and models defined above) will be provided to BLM via NatureServe's secure password protected [Explorer Pro mapping tool](#), and via the Explorer Pro geodata portal.

TTG Forestry - 2023  COMPLETE Private Precise

Organization/Individual Requesting Data: Stanley Cook, Sustainability Manager, with TTG Forestry is requesting a one-year license agreement to access NatureServe's documented locations of critically imperiled, imperiled, or vulnerable species and natural communities. [TTG Forestry](#) is an independent subsidiary of BTG Pactual. They provide customizable forest management solutions and are headquartered in Atlanta, Georgia. This is the second time we have provided precise EO data to TTG. The scope has changed in the following ways:

US-AL, U
KY, US-M
US-NY, U
OR,, US-
US-TVA,
US-VA, U
US_LA

1. TTG is not requesting data from CA this time.
2. Requesting data from additional states: LA, NY, and TX.
3. One added data user group: Kingwood Forestry.

Taxonomic Scope:

The Licensed Dataset will include species and natural communities with:

1. A federal status.
2. State protection status.
3. GRank of G1/T1, G2/T2, or G3/T3 (critically imperiled, imperiled, or vulnerable throughout its range).
4. Srank of S1, S2, or S3 (critically imperiled, imperiled, or vulnerable in the state it occurs).

Geographic Scope:

Data will be limited to a footprint (shown below as BTG_SF1_Tracts) provided by TTG Forestry that includes data from portions of the following states: AL, FL, KY, LA, MS, NC, NY, OH, OR, SC, TN, TV, TX, VA, and WA.

Mode of Delivery:

The Licensed Data will be provided to TTG Forestry in a password protected file geodatabase.

Data Users:

There are six third party service providers (listed below) that are contracted directly by TTG to provide forest management services. Up to 50 individuals will be permitted to access the Licensed Dataset including staff organizations listed below. The six subcontractors listed below will access the Licensed Dataset via TTG's Land Resource Management system "LRM". The data will only be used to screen for potential conflicts with threatened and endangered species and other sensitive species and habitats that they may encounter while managing the timberland, and for other activities related to meeting sustainable forestry management practices.

EarthJustice Threats Analysis 2023	=	COMPLETE	NGO	343sq_mi, 49sq_mi	Organization/Individual Requesting Data:	All_US
					<p>Earthjustice is a California based nonprofit public interest environmental law organization. With over 200 full-time lawyers as well as research analysts, policy experts, scientists and more, Earthjustice utilizes the power of the law to preserve wildlife, combat climate change, advance clean energy, and protect people's health.</p>	
					Quick Overview of Request	
					<ul style="list-style-type: none"> • Conduct threats analysis across 16 different categories. • Summarize analysis in 49 and 343 square mile hexagon grids. • G1/T1-G2/T2 for all animals, except for hybrid, nonnative, and marine species. • Provide results to Earthjustice for use by Level 1 (employees, board members, and donors), Level 2 (clients and consultants to Earthjustice), and public data users. 	
					Detailed Summary of Project	
					<p>NatureServe will conduct a spatial analysis using element and element occurrence data to determine where imperiled animal species are affected by 16 different categorized threats. NatureServe will conduct the analysis of species threat and spatial data and summarize the results in a 49 and 343 square-mile hexagon grid (pending network program permissions) across the United States. The end product will be an ArcPro project with spatial layers corresponding to each threat that can be queried to identify the species that meet analysis conditions for each grid cell. The term of this License Agreement is 7 years from the date of delivery with a refresh after 3½ years. NatureServe allows longer license terms for data generalized at 49 and 343 square mile precisions since this level of data does not change as significantly over time.</p>	
NSC - BLD Snapshot of Canadian EO data	=	COMPLETE	Internal/In Network	Precise	<ol style="list-style-type: none"> 1. BLD Snapshot is taken (generally first weekend of the month) 2. In a semi-automatic process, a set of refresh artifacts is created for NatureServe Explorer and Explorer PRO 3. Publish/update the file geodatabase to Geodata, shared to the group assigned to this license (every month!) 	CA-All
NSC - BLD Snapshot of Canadian EO data	=	COMPLETE	Internal/In Network	Precise	<ol style="list-style-type: none"> 1. BLD Snapshot is taken (generally first weekend of the month) 2. In a semi-automatic process, a set of refresh artifacts is created for NatureServe Explorer and Explorer PRO <ul style="list-style-type: none"> a. We might jerry rig this to also create an update for a file geodatabase for the Canadian precise EOs (THIS PARENT ISSUE) 3. Publish/update the file geodatabase to Geodata, shared to the group assigned to this license (every month!) 	CA-All
Mistras Group - 2023	=	COMPLETE	Private	Precise	<p>Organization/Individual Requesting Data: Gerritt Evans with Mistras Group is requesting precise element occurrence data for critically imperiled and imperiled species and ecological communities, threatened and endangered species, & migratory waterbird concentrations</p>	US-CO, NE, US-I
					<p>Purpose: Pipeline compliance for Tallgrass Energy. The licensed dataset will be integrated into High Consequence Analysis for pipeline operators.</p>	
					Scope of Request:	
					<p>The following data for an area of interest (image below) that overlaps your state:</p>	
					<ul style="list-style-type: none"> • Precise EOs for species and communities that are: <ol style="list-style-type: none"> 1. Critically imperiled or imperiled 2. T&E • Migratory waterbird concentrations 	
					Geographic Scope:	

The geographic scope includes the areas of interest for **Colorado, Kansas, Nebraska, Oklahoma, and Wyoming.**

<p>Michigan Natural Features Inventory - 2023</p>	<p>COMPLETE</p>	<p>Internal/In Network</p>	<p>Precise</p>	<p>1. Precise EO data to support development of model for Rusty-patched Bumble to guide MFNI inventory efforts, and FWS conservation and reintroduction efforts. Supported by USFWS.</p> <p>2. Populate vascular plant data in the Great Lakes Water Life online database https://www.glerl.noaa.gov/data/waterlife/index.html at coarse basin level. MFNI will also write a journal article describing our procedures, give presentation of article, and provide internal staff with dataset of occurrence documentation to coarse basin-level (5 people will have access to the dataset internally). Supported by NOAA and EPA.</p>	<p>US-IL, U MN, US-</p>
<p>American Forest Management (AFM) - 2023</p>	<p>COMPLETE</p>	<p>Private</p>	<p>Precise</p>	<p>Organization/Individual Requesting Data:</p> <p>American Forest Management, Inc. (AFM) is requesting precise data for G1-G3 and S1-S3 within specific tracts of forest lands owned and managed by their company for Sustainable Forestry Initiative (SFI) audits and certification.</p> <p>AFM is an employee owned and operated management consulting firm with 5.85 million acres of forest and agricultural land under management for various clients in the Southeast, Gulf Coast, Appalachian, Northeast, Pacific Northwest, Intermountain, and Lake States Regions of the United States and Central America. AFM works with a diverse client-base that includes Timber Investment Management Organizations (TIMOs), public Real Estate Investment Trusts (REITs), Non-Industrial Private Forest landowners (NIPFs), and Government Agencies ([Forestry, Land & Timber Specialists American Forest Management https://www.americanforestmanagement.com/]).</p> <p>Purpose:</p> <p>AFM is requesting the species and community data for specific tracts owned by our client and, and have provided the shapefiles of their boundaries. AFM will use this data to respond to Sustainable Forestry Initiative audits and certification. More specifically, staff will use this data for land management and timber harvesting. They are requesting at the minimum the G1-G3 and S1-S3 level.</p> <p>Scope of Data: The data provided to AFM under this license agreement includes precise and species and community data for elements located in AL, AR, FL, GA, LA, MS, NY, NC, PA, SC, TX, VA, and WI. In addition, some species locations (EOs) may be generalized for data security purposes.</p> <p>The scope of users that will have access to the license dataset are listed below. AFM is responsible for ensuring that all users of the Licensed Dataset adhere to the terms in the Licensed Agreement including taking the NatureServe Data Use Training.</p>	<p>US_AL, US_FL, US_LA, US_NC, US_PA, US_TX, US_WI</p>
<p>Freeman GIS - FY24 Summit Carbon Solutions</p>	<p>COMPLETE</p>	<p>Private</p>	<p>Precise</p>	<p>Requestor Background:</p> <p>Bonnie Freeman, President and GIS Principal at FreemanGIS, is requesting precise species and community element occurrence records intersecting with their pipeline area of interest in Iowa, Minnesota, Nebraska, North Dakota and South Dakota. FreemanGIS provides professional geographic information system (GIS) services.</p> <p>From Summit Carbon Solutions - Summit Carbon Solutions : Summit Carbon Solutions is an affiliate of Summit Agricultural Group. Summit Agricultural Group is a diversified agribusiness operator and investment manager with operations in the United States and Brazil. Summit deploys capital across the agricultural supply chain with a particular focus at the intersection of agriculture and renewable energy.</p> <p>Geographic Scope for request:</p> <p>US-IA, US-MN, US-NE, US-ND, US-SD</p> <p>Scope of Request:</p> <p>Precise spatial data and EO details for species and communities intersecting the area of interest as shown in the map below.</p>	<p>US-IA,, U ND, US-</p>

Mode of Delivery:

The Licensed Data will be provided in a password protected file geodatabase.

Purpose of Request:

The data will be used to comply with pipeline safety regulations that require operators to develop integrity management programs to proactively protect resources that are unusually sensitive to environmental damage from a hazardous liquid pipeline release. Please see 49 CFR 195.452 for more on pipeline integrity management, [49 CFR § 195.452 - Pipeline integrity management in high consequence areas.](#), and 49 CFR 195.6 for the definition of an ecological unusually sensitive area (EcoUSA), [49 CFR § 195.6 - Unusually Sensitive Areas \(USAs\).](#)

One GIS person at FreemanGIS will be working with the raw species data to filter it into EcoUSAs per the definition in 49 CFR 195.6. A derived set of EcoUSAs will be passed to Summit Carbon Solutions for internal use in their integrity management program. It is anticipated 1-2 GIS people will be working with the derived EcoUSA dataset internally at Summit Carbon Solutions.

DOD Models - 2022



COMPLETE

Fed Agency Precise

Purpose of Request: This project will create a library of fine-scale distribution maps for DoD Priority Species (TER-S), which will deliver consistent, defensible, refined information on the location of suitable habitat for at-risk species to DoD staff across all U.S. military branches. We are currently in year two of this project. These range-wide habitat suitability maps can transform the effectiveness of stewardship decision-making, increasing mission flexibility by minimizing conflict with TER-S, improving mitigation outcomes both offsite and on installations, and streamlining Endangered Species Act implementation. The library will consist of vetted, standardized modeled habitat suitability maps for DoD Priority Species, accompanied by guidance on their interpretation and application. The library will contain both newly modeled habitat maps and existing models that fulfill quality requirements defined by a peer-reviewed model assessment rubric.

US-AL, U
CA, US-I
US-FL, U
LA, US-N
US-MS,
NH, US-

Scope of Request: Seeking model input data for *Gymnorhinus cyanocephalus* (Pinyon Jay) and *Hartwrightia floridana* (Florida Hartwrightia), which will deliver consistent, defensible, refined information on the location of suitable habitat for at-risk species to DoD staff across all U.S. military branches.

Mode of Delivery: Individuals who will have access to these precise models include DoD Legacy Office staff, Natural Resource Management staff located at U.S. installations, select staff at regional military commands, and a limited number of DoD contractors. DoD staff and contractors will access all models via Explorer Pro and are required to review and agree to standard data use terms which prohibit the redistribution of models outside DoD. Models may be discussed at conferences or appear in public-facing communications about the project, in which case models will be viewable only and shown at a spatial resolution and/or scale that complies with data use terms and network permissions.

BLM Models - 2022



COMPLETE

Fed Agency Precise

Purpose of Request:

The Bureau of Land Management (BLM) will use the Licensed Dataset to assess at-risk plants and animals on and around BLM lands. The use of the Licensed Data will allow the Licensee to quickly determine where BLM Special Status Species habitats occur at varying landscape scales not limited to state, field, or district boundaries. These standardized data will provide efficiencies in national and regional inquiries, both internal and external, regarding BLM's habitat management role for sensitive species.

US-AZ, U
CO,, US
US-NM,,
US-OR,,
WA,, US

Scope of Species Habitat Models Provided

Species Habitat Models are being provided under the terms outlined herein for the species in the two lists below as well as other SHMs developed under the contracts for BLM SSS occurring in the Western Region, and for species in the California Desert ecosystem.

Mode of Delivery:

Models will be delivered on NatureServe Explorer Pro.

Este Muldavin - Landscape Condition of Americas	⤴	COMPLETE	Internal/In Network	Standard_product	Seeking of the "Landscape Condition of the Americas" layer per Hak, J.C., P.J. Comer. 2017. Modeling landscape condition for biodiversity assessment —Application interperate North America. Ecological Indicators (82) 206-216.	
FWS NWRS Tool - 2022	⤴	COMPLETE	Fed Agency	Precise	Organization/Individual Requesting Data: USFWS is requesting a refresh of the data that went into the NWRS tool. Purpose: Occurrence data will be used to show NWRS staff the percent of occurrence records for each species that occur on National Wildlife Refuges. Values will only be recalculated if there are EOs that are now irrelevant or if there are new EOs that have been added to the dataset since we put the tool together last year. Scope of Data: G1/T1 or G2/T2, SGCN, ESA listed, within the conterminous US. Data will be delivered for species that have some overlap with a National Wildlife Refuge (including approved acquisition boundaries). A list of species was attached to the request. EO data and models of sufficient confidence will be used for overlap analysis. NWRS staff will see tabular data from overlap analyses. We will not deliver EOs or models to FWS as part of this project. Mode of Delivery: A tabular dataset will be provided to USFWS.	US-All
PPP for Cities - 2022	⤵	COMPLETE	Academic	Standard_product	Seeking download of the Climate Change Vulnerability Index (ccvi_release_3.02_1_jun_2016_0)	
Claremont McKenna College - 2022	⊞	COMPLETE	Academic	7sq_mi	7 sq mi data for Black Mustard (Brassica nigra) California Poppy (Eschscholzia californica) California sagebrush (Artemisia californica) within CA, AZ - sent to network programs	US-AZ, I
U.S. Fish and Wildlife Service - Mael Glon - Nov 2022	⤴	COMPLETE	Fed Agency	Precise	SSA - N. Bog Lemming - Sent directly to network programs	US-ME,
University of Arizona - 2022	⊞	COMPLETE	Academic	Public	Seeking bulk info from Explorer - Send to open API	
NatureServe - 2023	⊞	COMPLETE	Internal/In Network	Precise	Wes Knapp to conduct a geospatial analysis of G1-G3/T1-T3 plant EO's (or equivalent) data to identify plants of One Known Occurrence (OKOs) of the continental United States and Canada. Helpdesk : NatureServe (freshdesk.com)	All_US
Southeast Aquatic Resources Partnership (SARP) - 2022	⤴	COMPLETE	NGO	Tabular	Organization/Individual Requesting Data: Southeast Aquatic Resource Partnership (SARP) is requesting tabular data for groups of species within HUC12 watersheds for states in the west, northeast, and midwest. SARP is a regional collaboration of natural resource and science agencies, conservation organizations, and private interests developed to strengthen the management and conservation of aquatic resources in the southeastern United States. SARP is a joint party committee created by the SEAFWA Directors to complete the mission of conserving aquatic habitats across political boundaries (more under SEAFWA http://www.seafwa.org/committees/southeast_aquatic_resources_partnership/). Purpose: SARP has an Aquatic Connectivity Program and they are planning to use the data to guide inventories and the prioritization of dam and road related barriers for removal, based on ecological metrics. In addition, SARP will use our data to provide the number of threatened and endangered species, number of state listed species, and number of species of greatest conservation need within a HUC12 in their SARP tool. Visit the tool here: National Aquatic Barrier Inventory & Prioritization Tool (aquaticbarriers.org) . Species names will not be visible in the tool. Scope of Data: HUC 12 summaries of aquatic species (TE, SGCN) for mussels, fishes, and crayfishes. Data will be provided as excel tables with the HUC12 code, species name, columns for SGCN and TE with a Y for those that fall into these categories for the following states: WY, ID, OR, WA, IA, KS, NE, ND, SD, NM, CO and UT	US-CO,, ID,, US- NE,, US- OR,, US- UT, US- WY,

Data Sensitivity: We are not delivering spatial data to SARP (only tabular data listed above), they are just reporting the number of species by HUC 12 on their tool (no species names). We don't think there are any data sensitivity issues.

Missouri Botanical Gardens - 2022	=	COMPLETE	NGO	Standard_product	Duplicate of https://natureserve.atlassian.net/browse/DRT-4 - County and watershed dataset	All_US
Integrity Management Services (Mistras Group)	∩	COMPLETE	Private	Precise	<p>Organization/Individual Requesting Data: Integrity Management Services (Mistras Group) is requesting Element Occurrence data for candidate ecological resources (as defined in the Scope below) for areas of interest in Colorado, Kansas, Nebraska, Oklahoma, and Wyoming.</p> <p>Integrity Management Services (Mistras Group) is a leading onsource, global provider of technology-enabled asset protection solutions used to maximize the uptime and safety of critical energy, industrial, and public infrastructure. Learn more at mistrasgroup.com/company.</p> <p>Purpose: The licensed dataset will be integrated into High Consequence Analysis (HCA) for pipeline operations. This data will help keep their companies in compliance with PHMSA regulations on HCA impact analysis.</p> <p>Scope of Data:</p> <p>Element occurrences will be provided for candidate ecological resources defined as: 1) Critically imperiled and imperiled species and ecological communities; 2) Threatened and endangered species; 3) Depleted marine mammal species; and 4) Migratory waterbird concentrations. The most precise element occurrences will be provided to the extent possible according to the permissions of the NatureServe Network Programs.</p> <p>The data provided to Licensee under this License Agreement includes precise element occurrences meeting candidate ecological resources requirements for the areas of interest within Colorado, Kansas, Nebraska, Oklahoma, and Wyoming.</p> <p>Data access will be provided to 3 staff members from the Mistras Group, and 3 staff members from Tallgrass Energy.</p> <p>Mode of Delivery: Geodatabase</p>	US-CO,
Marie Selby Botanical Gardens - 2022	=	COMPLETE	NGO	Non-Spatial	Interested in bulk data available in NatureServe Explorer	
The Commons - 2022	=	COMPLETE	NGO	Standard_product	In search of MoBI files	All_US
OneOK - 2022	∩	COMPLETE	Private	Precise	<p>Requestor Background: Katherine Cawley with OneOK is requesting spatial data near their pipeline operations. OneOK is a diversified energy company, headquartered in Tulsa, OK (http://www.oneok.com/).</p> <p>Scope of Request: Precise locations (EOs) for all species that occur near pipelines for all species that are federally listed or have a (Grank) of G1 or G2.</p> <p>Geographic Scope: EOs that occur near pipelines in the following states: CO, IA, IL, IN, KS, MO, MT, ND, NE, NM, OK, SD, TX, WY.</p> <p>Mode of Delivery: Shapefile</p> <p>Purpose of Request: Under Federal regulations, OneOK is responsible for understanding where its operating footprint could affect High Consequence Areas (HCA) and has contacted NatureServe requesting data to update their Integrity Management Plan and information about Ecologically Sensitive HCA. Data will be used internally by OneOK for these purposes.</p>	US-CO,, IL, US-IN, US-MO, ND, US-NM, US-SD,, US-
UC - Berkeley - 2022	=	COMPLETE	Academic	50x50km	<p>Requestor Background: Israel Borokini from the University of California Berkeley (UCB) is working with NatureServe's chief botanist, Wes Knapp, on a plant species spatial phylogenetics analysis.</p>	All-CA, A

Scope of Request:

UCB is requesting EO data generalized to a 50x50 grid for all native seed plants in the United States and Canada. The analysis will be done internally by NatureServe, and then provided to Israel's team at UCB at a 50x50km (=965 sq mile) resolution. Thus, no precise EO data will be provided to UCB. Since the 50x50 grid is slightly larger than a 343 square mile hexagon this request is considered a public level data product that does not require permission, but we will apply any data exclusion rules outlined in your Data Provider Portal for public use (=343 square mile hexagon).

Geographic Scope:

Occurrence data and coordinates for all native seed plants in the United States and North America (including Canada and Mexico).

Mode of Delivery:

Shapefile

Purpose of Request:

The 50x50 grid data will be combined with existing data in the BIEN database and herbarium databases (<https://bien.nceas.ucsb.edu/bien/>). The combined dataset will be used for mapping the phylogenetic diversity, endemism, and turnover for the North American seed plants. Access to the data will be limited to Israel Borokini, Wes Knapp, and Brent Mishler (UCB). The analyses will be shared publicly as part of the scientific publication and the NS network programs will be credited for providing biodiversity plant data. We will share the results of the analyses with the U.S. network programs at a U.S. Section call before the publication is finalized.

NIACS and Michigan Tech - Ecology Data	=	COMPLETE	Academic	Ecology team provided data on Appalachian (Hemlock)-Northern Hardwood Forest
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Enbridge - 2023	⤴	COMPLETE	Private	Precise	Requestor Background:	CA-AB, (
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Marc Orchard, Sr. Advisor, with Enbridge is requesting precise species and community element occurrence records for at-risk species where EOs intersect with their pipelines. Enbridge provides liquids pipelines, natural gas pipelines, gas utilities and storage, and renewable energy across North America. They are headquartered in Calgary, Canada.

MB, CA-CA-QC, CO., US-US-MI, LMO, US-US-NE,, OH, US-US-WI, L

Scope of Request:

Enbridge is requesting precise data for at-risk plants and animals including taxa with status under the U.S. Endangered Species Act; taxa ranked by NatureServe as being critically imperiled or imperiled on a range-wide basis (G1/G2, T1/T2); and community EOs.

Geographic Scope:

*****Requestor only needs EOs that intersect with their pipelines, not for the entire subnation.**

CA-AB, CA-BC, CA-MB, CA-NT, CA-ON, CA-QC, CA-SK, US-CO, US-IL, US-IN, US-KS, US-MI, US-MN, US-MO, US-MT, US-ND, US-NE, US-NY, US-OH, US-OK, US-TX, US-WI, US-WY

Mode of Delivery:

The Licensed Data will be provided to Enbridge in a password protected file geodatabase.

NatureServe will provide Enbridge a Licensed Dataset that includes two layers: (1) precise species and community Element Occurrence (EO) data layer for at-risk species that intersect with Licensee provided area around pipelines in subnations of operation ("Precise Licensed Dataset"), and (2) species and community Element Occurrence (EO) data layer for at-risk species that intersect with Licensee provided area around pipelines in subnations of operation with species names removed for data security purposes ("Species-blind Licensed Dataset").

The 'Precise Licensed Dataset' will be accessible only by users directly involved in the HCA Analysis, and IT/GIS staff involved in the maintenance of the geodatabase (no more than 10 staff). Access to 'Species-blind Licensed Dataset' will be granted on an ad-hoc basis to a limited set of internal staff, upon completion of necessary training and registration as a data user.

Purpose of Request:

Under the License Agreement with NatureServe, Enbridge Inc. will be permitted to use the data (internally only) for the purpose of High Consequence and Unusually Sensitive Area Modeling as directed by the Code of Federal Regulations (49 CFR and §195.6 Unusually Sensitive Areas). They will use the data to assess the presence of species and communities that meet the regulatory criteria around their pipeline operations. The Licensed Dataset will allow Enbridge to quickly determine where at-risk plants and animals occur within their area of operation and add infrastructure to pipeline segments located near at-risk species in order to mitigate the impacts to these species in the case of an accidental hazardous liquid release.

ICF - 2022	☰	COMPLETE	Private	Standard_product	Sent Explorer open API info	
Texas Parks and Wildlife - 2022	☰	COMPLETE	Internal/Internal Network	Public, Tabular	G Rank information, including review date and change date, for species across all taxa that have a distribution restricted to two or more of the SE region states (OK, TX, LA, AL, FL, GA, SC, NC, MS, AR, MO, KY, TN),	US-AL, UT, FL, US-CO, US-LA, UT, MS, US-MS, US-SC, IA, TX
Loyola University - 2022	☰	COMPLETE	Private	Precise	Final Deliverable will be an Excel file including information on species with HSMs that are listed under USESA between 1995 and 2018, and, with one exception (Brachylagus idahoensis), all full species modeled under MoBI effort, and were primarily G1/G2, but with some G3 where available.	
Duke Energy - 2022	☰	COMPLETE	Private	Precise	<p>Requestor Background & Purpose: Duke Energy, one of America's largest energy holding companies, is headquartered in Charlotte, NC. The Licensed Dataset will be uploaded into their EHS Viewer giving the licensee location information for sensitive resources that can be applied to upcoming projects and annual maintenance.</p> <p>Description: Duke Energy's Natural Resources Group has developed a Natural Resources Viewer internal mapping program for all protected species and protected lands in cooperation and partnership with state and federal agency biologists. Regulatory compliance is a top priority for Duke Energy and knowing and understanding the specific occurrences to assign Best Management Practices (BMPs) is very important to the success of the company. Limited datasets or data limited occurrences make it challenging, if not impossible to try to assign BMPs to an occurrence or location. Duke Energy has met with USFWS Biologist and leaders in each of our service territories (FL, SC, NC, TN, IN, KY, OH) and have full support in our mission with our Natural Resources Viewer. Duke Energy is requesting the most precise data available to be in full compliance with federal and state regulatory requirements.</p> <p>Taxonomic Scope:</p> <ol style="list-style-type: none"> 1. Federal status 2. State protection status <p>Geographic Scope:</p> <p>The scope of the License Agreement includes NatureServe Species Element Occurrence (EO) records for selected counties (counties provided) in Florida, Indiana, Kentucky, Ohio, North Carolina, South Carolina, and Tennessee ("Licensed Dataset").</p> <p>Mode of Delivery: The Licensed Dataset will be provided to Duke Energy in a password protected file geodatabase.</p> <p>Data Users: Access to the clients' unique Licensed Dataset requires a unique password for each Certified Data User. Certified Data Users must complete NatureServe's Data Use Training and review their organization's Data License Agreement terms.</p>	US-FL, UT, KY, US-NC, US-SC, IA
Holly Energy - 2023	☰	COMPLETE	Private	Precise	<p>Purpose of Request</p> <p>This dataset will be used for the purpose of High Consequence Area Spill Modeling as directed by PHMSA (pipeline Hazardous Material Safety</p>	US-CO, IA, UT, US-NE, US-NE, IA

Administration) according to pipeline regulation parts §195.452 and §195.6 Unusually Sensitive Areas.

US-NV, I
TX, US-I
US-WY,

Scope of Request:

The data provided to Holly Energy includes Element Occurrence (EO) records for at-risk species* in selected counties ** where Licensee pipelines are located (CO, IA, ID, KS, MT, NE, NM, NV, OK, TX, UT, WA, WY) Lists of species by county or watershed where Licensee pipelines are located will also be included.

*At-risk plants and animals include: taxa with status under the U.S. Endangered Species Act; taxa ranked by NatureServe as being critically imperiled or imperiled on a range-wide basis (G1, G2, G3, T1, T2, or T3); and/or taxa with a Subnational Rank of S1 or S2.

**CO Adams, Denver, Larimer, Weld; IA Lee; ID Elmore; KS Butler, Cowley, Johnson; MO Adair, Carroll, Chariton, Clark, Jackson, Knox, Linn, Macon, Ray, Scotland; NE Cheyenne, Deuel, Keith, Kimball, Lincoln; NM Chaves, Eddy, Lea, Otero, San Juan, Torrance; NV Clark, Lincoln; OK Cotton, Creek, Jefferson, Lincoln, Osage, Pawnee, Payne, Stephens, Tulsa; TX Andrews, Archer, Baylor, Clay, Cochran, Culberson, Ector, El Paso, Gaines, Haskell, Hockley, Howard, Hudspeth, Jones, Loving, Midland, Mitchell, Nolan, Reeves, Shackelford, Taylor, Throckmorton, Wichita, Winkler, Yoakum; UT Beaver, Davis, Iron, Juab, Millard, Morgan, Rich, Salk Lake, Summit, Tooele, Washington, Weber; WA Spokane; WY Albany, Carbon, Converse, Fremont, Laramie, Natrona, Platte, Sweetwater, Uinta

Mode of Delivery: Geodatabase

Missouri Botanical Gardens - 2022	☰	COMPLETE	NGO	Precise	county and watershed dataset	All_US
Cafferata Consulting - 2022	☰	COMPLETE	Private		County & Watershed dataset	

45 issues

On Hold Data Requests

i Data Requests within the “On Hold” Status have not made it past the initial inquiry phase of the request. The “On Hold” Status means the client has not declined the data request, but is not yet in the position to use NatureServe Data or accept the proposed estimate.

Summary	P	Status	Accepted Cost	Client Type	Data Precision	Scope	Network Programs	Labels	Cri
GBIF Refresh - 2023	☰	ON HOLD		Internal/In Network	343sq_mi	Generalize all available data to 343 square mi. Data will be used to update NatureServe data GBIF dataset.	CA-All, US-All	Open_Data	03/A
Oak Ridge National Lab - 2022	☰	ON HOLD		Fed Agency	Precise	They have a Summit supercomputer and are interested in applying deep learning to biodiversity data to understand if		Conservation_Analysis	18/J

they can pull out major predictors about stressors on wildlife. The goal of this project is to develop indices and metrics based on ecosystem diversity so they will need all the wildlife species data they can get. Particularly interested in obtaining data pertaining to cave dwelling species. We expressed interest in partnership, sharing data in exchange for results of analyses, etc.

National Renewable Energy Laboratory - 2022	ON HOLD	Fed Agency	Precise	Wanted data used in protection-weighted range-size rarity of imperiled species in the U.S. - offered computing services in exchange for data. Wasn't able to waive fees. Need to continue discussions.	Conservation_Analysis 18/Ji
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3 issues

Declined Data Requests

i Data Requests within the "Declined" Status have not made it to the "In Progress Status". The data user typically declines a request because the data provided by NatureServe is not helpful for their purposes or is too expensive.

Summary	P	Status	Client Type	Data Precision	Scope	Network Programs	Labels	Created
TRC EcoUSA Data Request - March 2024	↕	DECLINED	Private	Precise	Requesting data on behalf of pipeline operator for use in meeting	US-CO, US-NM, US-TX, US-UT, US-WY	Pipeline/EcoUSA	25/Mar/24 4:49 P

					EcoUSA requirements.			
Everline Compliance 2023	🔴	DECLINED	Private	Precise	Precise data for AOI within FL, NV, AR, TN to be used for HCA analysis.	US-AR, US-FL, US-NV, US-TN	EcoUSA	13/Jun/23 11:50 /
USFWS Region 3 (midwest) - 2023	🔴	DECLINED	Fed Agency	precise	G1-G3/S1-S3 plus anything with federal/state status for the Midwest region - Region 3 of FWS - Primarily interested in Bat data	US-IA, US-IL, US-IN, US-MI, US-MN, US-MO, US-OH	BLD, Conservation_Analysis	05/Apr/23 11:04 /
TRC Companies - 2023	🟡	DECLINED	Private	Precise	Precise locations for G1-G2, N1-N2, S1-S2 species in Colorado, Texas, and Wyoming to be used for pipeline Risk Analyses.	US-CO, US-TX, US-WY	Pipeline/EcoUSA	21/Feb/23 9:37 A
Boise Cascade	🔴	DECLINED	Private	Precise	All species w/ NatureServe Conservation Status G1-G2, for select counties within FL, AL, GA	US_AL, US_FL, US_GA	Forestry	06/Feb/23 9:21 A
USFWS Ecological Services Program	🔴	DECLINED	Fed Agency	N/A	Tabular Data - Counts of species by rank in each FWS region. They decided to wait and get info in 2024 since counts likely did not change much since last year.	N/A	Conservation_Analysis	24/Jan/23 11:37 /
The Nature Conservancy - 2023	🟡	DECLINED	NGO	Precise	Updating the Chesapeake Fish Passage Prioritization Tool that prioritizes aquatic barriers for removal. Interested in using the MOBI freshwater data in the project by summarizing it to a catchment or watershed of each dam.	US-All	Conservation_Analysis	09/Jan/23 12:58 /


Exxon Mobil - Gowin - Jan 2023	=	DECLINED	Private	Precise	Pipeline operator looking for EcoUSA Dataset. Precise data for 7 full states - G1-G3 species	US-LA, US-ND, US-NM, US-OK, US-PA, US-TX, US-WV	Pipeline/EcoUSA	05/Jan/23 9:35 AM
University of Massachusetts - 2023	=	DECLINED	Academic	Standard_product	US wide data for use in dissertation chapter, and ultimately scientific publication, on habitat restoration priorities. We hope that this will be useful for implementing America the Beautiful and the Convention on Biological Diversity post-2020 Global Biodiversity Framework. Data will be used by ~5 individuals (PhD student + dissertation committee). If used for publication, data will feed into restoration analysis, and final restoration maps will be publicly available at the resolution at which they are produced. In discussions about providing non-sensitive multi-species MoBI data.	Ecology	05/Dec/22 2:34 PM	
American Forest Management	^	DECLINED	Private	Precise	G1-G3 records to be used for land management on clients' lands, client owns approximately 550,000 acres. The properties are SFI and/or FSC certified. Data will be	Forestry	05/Dec/22 2:10 PM	

only used internally within our region.

West Fraser - 2023	⬆️	DECLINED	Private	Precise	Precise data for at risk species in VA, NC, SC, GA, FL, AL, MS, LA, TX, AR, OK	US-AL, US-AR, US-FL, US-GA, US-LA, US-MS, US-NC, US-OK, US-SC, US-TX, US-VA	Forestry	23/Nov/22 1:03 P
Parsons	⚖️	DECLINED	Private	Standard_product	County data for US. went to FWS ECOS instead.		Consulting	21/Nov/22 11:46 .
Louisiana State University - 2022	⬆️	DECLINED	Academic	Standard_product	Had questions about the NatureServe U.S. Map of At-Risk Species by County or Watershed - did not purchase		Data_Inquiry	21/Nov/22 10:32 .
Domain Capital Group - 2022	⬇️	DECLINED	Private	Precise, fuzzed, or	EO data for entire US or SE US. Data will be used internally by Domain Capital Group to evaluate the potential for at-risk species to occur on land holdings being offered to Domain Capital Group investors. This information will support evaluating the level of opportunity or risk that an investor has in protecting or mitigating the impacts of timber management on at-risk species. Sent two estimates - for entire US - \$500K and for SE only \$160K. No response. Assume cost was too high.	All_US	Forestry, Investing	17/Oct/22 12:51 F
Kinder Morgan - 2022	⚖️	DECLINED	Private	Precise	Precise EO data for 24 states, provided estimate and then did not	US-AL, US-AZ, US-CA, US-CO, US-FL, US-GA, US-IL, US-LA, US-MI, US-MS, US-MT, US-NC, US-	Energy_sector	17/Oct/22 12:51 f

					hear back. I explained data could only be used by specific client for specific purpose and not for redistribution to other clients.	ND, US-NJ, US-NM, US-NV, US-OH, US-OR,, US-SC, US-TN, US-TVA, US-TX, US-VA, US-WA,, US-WY		
Exxon Mobil - Hughes - Oct 2022	=	DECLINED	Private	Precise	Request for EcoUSA data in 5 states. Provided estimate. Assuming they went elsewhere for data.		Pipeline/EcoUSA	11/Oct/22 2:00 PI
Transect	=	DECLINED	Private	Precise	Requested EO data for MI and MN. Notified them that reselling data for profit was not allowed.	US-MI, US-MN	Electric_Power/Transmission	04/Oct/22 11:05 /
AR Game and Fish Commission	=	DECLINED	State/Local Gov		Looking for trend data (srank change) for Mustela frenata. Told him we did not have it. Recommended consulting with Network Programs.		Non-spatial	29/Sep/22 9:54 A
Everline	≡	DECLINED	Private		Requesting EcoUSA dataset. Sent standard response that data expired, and offered estimate for new EO data instead.		Pipeline/EcoUSA	20/Sep/22 11:54 .
exp Global Inc.	⤴	DECLINED	Private		Request for PHMSA's EcoUSA data. Told them data expired, and offered to give est for EO data instead.		Pipeline/EcoUSA	20/Sep/22 11:44 .
Burns & McDonnel	≡	DECLINED	Private		Requested PHMSA EcoUSA data, told them it expired and offered estimate for EO data.		Pipeline/EcoUSA	13/Sep/22 1:17 P
Buckeye Partners	=	DECLINED	Private	Precise	US-wide data to analyze their	All_US	Pipeline/EcoUSA	19/Jul/22 11:36 A

operations
footprint re:
impacts to
biodiversity to
meet
Sustainable
Financial
Disclosure
Regulation
(SFDR). Had
call and sent
sample
dataset. No
word back.

USDA Forest Service - Fisheries Program		DECLINED	Fed Agency	HUC12 data for fish, mussels, and crayfish on FS lands	Conservation_Analysis	05/Jul/22 12:49 P
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23 issues