



How to Find Refuge Data In a Snap

<https://ecos.fws.gov/snapshot/>



Todd W. Sutherland
NWRS Inventory and Monitoring Data Manager
FWS Geospatial Training Workshop – 2016
National Conservation Training Center





IRIS Snapshot



U.S. Fish & Wildlife Service

IRIS Snapshot

Powered by ECOS - the Environmental Conservation Online System



Home
Refuge
Region



What is the IRIS Snapshot?

This site allows anyone to easily view relevant natural resource information for National Wildlife Refuges. Web services are used to dynamically deliver a snapshot of data harvested from various internal database modules managed within the Integrated Refuge Information System (IRIS).



Planning and Review of Inventory and Monitoring on Refuges (PRIMR)

Describes the who, why, what, when, and where of inventory and monitoring survey activities performed across the Refuge System.

[Learn More](#)



Water Resource Inventory and Assessment (WRIA)

Documents information needed to support Refuge management of water resources.

[Learn More](#)



Service Catalog (ServCat)

Organizes and stores Refuge related documents, including management plans, reports, tabular and geospatial data, and protocols.

[Learn More](#)



Threatened and Endangered Species System (TESS)

Manages information related to all species addressed by the Endangered Species Act (ESA).

[Learn More](#)

Natural Resource Program Center



PRIMR Module

“I&M Survey Details”

“The PRIMR database provides refuge biologists a way to identify other types of surveys being performed across the System and serves as the institutional I&M knowledge for a station.”



Vegetation monitoring at Trompealeau NWR



RCW survey at Carolina Sandhills NWR

U.S. Fish and Wildlife Service

Planning and Review of Inventory and Monitoring on Refuges (PRIMR)

Natural Resource Program Center

- Describe surveys conducted
 - who/what/why/when/where
- Integrated with document management system (ServCat)





ServCat Module - Service Catalog

“Final Products”

U.S. Fish and Wildlife Service sutherland

ServCat

Fish & Wildlife Service Catalog

Home Search Create Manage News About Help Contact Us

Portal > Search > References > Profile

[Add Digital File](#) | [Add Site Specific Survey Protocol](#) | [View XML](#) | [Clone](#) | [Add To Collection](#)

[Edit Details](#) | [Change Type](#) | [Manage Link](#) | [Inactivate](#) | [Quarantine](#) | [Activate](#)

Loges BW and Others. 2015. National Protocol Framework for the Inventory and Monitoring of Waterbirds and their Habitats: An Integrated Waterbird Management and Monitoring (IWMM) Approach. Survey Protocol Framework-29343.

Survey Protocol Framework

Reference Code: 29343
Reference Status as of 01/22/2015: Active
Visibility: Public

Core Information

Survey Protocol Framework

Title National Protocol Framework for the Inventory and Monitoring of Waterbirds and their Habitats: An Integrated Waterbird Management and Monitoring (IWMM) Approach

Brief Description This protocol framework provides guidance for conducting inventories or monitoring surveys of waterbird habitat conditions and use at local scale in a way that will allow analysis of multiple sites from multiple regions in the Refuge System.

Date Issued/Published January, 2015

Table Of Contents Survey Protocol Summary/Acknowledgments/Narrative on 8 Elements: Introduction, Sampling Design, Field Methods and Data Processing, Data Management and Analysis, Reporting, Personnel Requirements and Training, Operational Requirements, References, /Details in 5 Standard Operating Procedures: Delineating Unit Boundaries, Waterbird and Environmental Survey, Vegetation Survey, Recording Management Actions, Data Entry and Management Instructions, /Supplemental Materials (10 Appendices): AOU Species Codes in taxonomic order, AOU Species Codes in Alphabetical order of Common Name, Waterbird Survey Form Single Unit, Waterbird Survey Form Multi Unit, Measuring Salinity, Bathymetry Mapping, Annual Habitat Survey Form, Seed Head Photographic Guide, Wetland Management Record

Status 3N

Abstract/Full Description This protocol provides a framework for rapidly assessing local habitat conditions and quantifying use of wetlands by waterfowl, shorebirds, and wading birds (hereafter referred to as waterbirds) during non-breeding periods. The majority of survey techniques described herein involve whole-wetland visual assessments of habitat conditions or counts of waterbirds conducted from the wetland perimeter. This protocol framework was developed as part of the Integrated Waterbird Management and Monitoring (IWMM) Initiative, a large-scale waterbird habitat conservation strategy currently focused on the U.S. Fish and Wildlife Service's (USFWS) Regions 3, 4, and 5. A primary purpose of this protocol is to standardize waterbird and habitat monitoring during the non-breeding period at a local-scale. Resulting data can then be compiled and analyzed across broader geographic units. IWMM is a collaborative effort including the USFWS, the U.S. Geological Survey, the States, Ducks Unlimited, and other non-governmental agencies. The content and structure of the protocols described below follows standards set forth in the U.S. Fish and Wildlife Service's How to Develop Survey Protocols: a Handbook (Version 1.0). Each of eight elements is addressed, including a protocol introduction, sampling design, field methods, data management, analysis, reporting, personnel requirements and training, operational requirements, and references. Additionally, a series of standard operating procedures provides greater detail on recommended methods and technical aspects of this protocol. Data entry, archival, and multi-scale analysis are handled through an online database that is part of the Avian Knowledge Network. When their management objectives and information needs are similar, other USFWS Regions and partners are encouraged to use this framework to develop site-specific guidance for their waterbird and habitat condition surveys.

U.S. Fish and Wildlife Service
U.S. Department of the Interior

National Wildlife Refuge System

National Protocol Framework for the Inventory and Monitoring of Nonbreeding Waterbirds and their Habitats

An Integrated Waterbird Management and Monitoring Initiative (IWMM) Approach



Version 1.0 January 2015





WRIA Module

Water Resource Inventory and Assessment

“Water Resource Threats and Needs”

U.S. Fish and Wildlife Service Welcome: Todd Sutherland - [logout](#)

WRIA

[Home](#) [Reports](#) [Admin](#) [Other Links](#)

[EODS](#) > [WRIA](#) > Water Resources

Cahaba River National Wildlife Refuge

[Overview](#) [Water Resources](#) [Monitoring Sites](#) [Threats](#) [Needs](#) [Surveys](#) [Water Quality](#)

[Edit](#) View Water Resource [help](#)

Name

Type

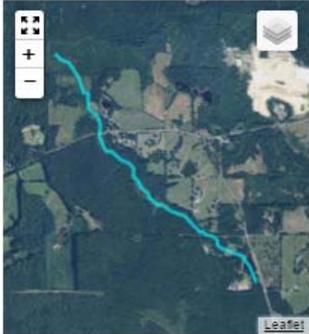
Alias

Seasonal Flow

Length

Length Notes

Comments






TESS Module

Threatened and Endangered Species System

“Species Occurrence on Refuge Lands”

U.S. Fish and Wildlife Service Welcome: Todd Sutherland - [help](#) | [logout](#)

Threatened and Endangered Species System

ECOS > TESS > Home

Modules	<p>Welcome to the Threatened and Endangered Species System</p> <hr/> <p>Office: Audubon Wetland Management District (06REAU00)</p> <p>Approved Roles:</p> <ul style="list-style-type: none"> Field Office Species Information Access No Budget Weighting Access No Litigation Access No secure Federal Register Access No Petition Tracking Access No Candidate Information Access No CNOR Access Read Only Recovery Plan Access Read Only Conservation Plans Access No Listed Species Expenditures Access
Species Information	
Federal Register Publications	
Petition Tracking	
Candidate Information	
Recovery Plans	
Grants	
Conservation Plans and Agreements (HCP/SHA/CCA/CCAA)	
Upload Documents and Data	





Which “threatened” species occur on Parker River NWR?



ECOS Environmental Conservation Online System

Conserving the Nature of America

[ECOS](#) / Species Profile for Red Knot (*Calidris canutus rufa*)

Red Knot (*Calidris canutus rufa*)

[Federal Register](#) | [Recovery](#) | [Critical Habitat](#) | [Conservation Plans](#) | [Petitions](#) | [Life History](#)

Taxonomy: [View taxonomy in ITIS](#)

Listing Status: **Threatened**

Where Listed: **WHEREVER FOUND**

General Information

Length: 25-28 cm. Adults in spring: Above finely mottled with grays, black and light ochre, running into stripes on crown; throat, breast and sides of head cinnamon-brown; dark gray line through eye; abdomen and undertail coverts white; uppertail coverts white, barred with black. Adults in winter: Pale ashy gray above, from crown to rump, with feathers on back narrowly edged with white; underparts white, the breast lightly streaked and speckled, and the flanks narrowly barred with gray. Adults in autumn: Underparts of some individuals show traces of the “red” of spring.



- **States/US Territories** in which the Red Knot, is known to or is believed to occur: [Alabama](#) , [Connecticut](#) , [Delaware](#) , [Florida](#) , [Georgia](#) , [Illinois](#) , [Indiana](#) , [Kansas](#) , [Louisiana](#) , [Maine](#) , [Maryland](#) , [Massachusetts](#) , [Michigan](#) , [Mississippi](#) , [Missouri](#) , [Montana](#) , [Nebraska](#) , [New Hampshire](#) , [New Jersey](#) , [New York](#) , [North Carolina](#) , [North Dakota](#) , [Ohio](#) , [Oklahoma](#) , [Rhode Island](#) , [South Carolina](#) , [South Dakota](#) , [Texas](#) , [Virginia](#) , [West Virginia](#) , [Wisconsin](#)
- **US Counties** in which the Red Knot, is known to or is believed to occur: [View All](#)
- **USFWS Refuges** in which the Red Knot, is known to occur: Amagansett National Wildlife Refuge, Back Bay National Wildlife Refuge, Big Boggy National Wildlife Refuge, Blackbeard Island National Wildlife Refuge, Brazoria National Wildlife Refuge [... Show All Refuges](#)



Which Refuges in R6 are monitoring amphibians?

U.S. Fish & Wildlife Service
IRIS Snapshot
 Powered by ECOS - the Environmental Conservation Online System

Home Refuge **Region**

← BACK Current/Historic Surveys - Biological Integrity - Amphibia - 12 records - Mountain-Prairie Region 6

Search: Show 10 entries

Name	Start Year	End Year	Refuge	Status
Stream temperature and flow intermittency monitoring in native fish habitat	2014	2017	Baca National Wildlife Refuge	Current
Breeding Frog Acoustic Inventory	2011	Indefinite	Benton Lake National Wildlife Refuge	Current
Breeding Frog Acoustic Inventory	2011	Indefinite	Benton Lake Wetland Management District	Current
Calling Amphibian Survey	2011	Indefinite	John W. and Louise Seier National Wildlife Refuge	Current
Acoustic Monitoring Survey for Bats, Birds, Amphibians, Wolves and Coyotes	2015	2020	Lost Trail National Wildlife Refuge	Current
Boreal Toad Mark and Recapture Survey	2006	Indefinite	Lost Trail National Wildlife Refuge	Current
Boreal Toad Song Meter Survey	2006	Indefinite	Lost Trail National Wildlife Refuge	Current
Wyoming Toad Surveys	2014	Indefinite	Mortenson Lake National Wildlife Refuge	Current
Amphibian Breeding Site Monitoring	2015	Indefinite	National Elk Refuge	Current
Amphibian & Reptile Diversity, Distribution, Abundance	2014	2028	Quivira National Wildlife Refuge	Current

Showing 1 to 10 of 12 entries

Previous 1 2 Next

Total
5,468
27,967
1,377
42,728
2,893





Locate unpublished reports on butterflies in R3

← BACK Documents/Datasets - Unpublished Report - 2749 records - Great Lakes-Big Rivers Region 3

Search: Show 10 entries

Name	Date Of Issue	Files	Reference #
Butterfly Report for Neal Smith National Wildlife Refuge 2001	(none)	1	1056
Butterfly Report for Neal Smith National Wildlife Refuge 2002	07-13-2002	1	1057
Butterfly Report for Neal Smith National Wildlife Refuge 2003	07-19-2003	1	1058
Butterfly species	01-01-1995	1	1063
Karner blue butterfly: Annual summary for Necedah National Wildlife Refuge	12-05-1994	1	5891
Spatial ecology, dispersal patterns and monitoring methods for the Karner blue butterfly, <i>Lycoides melissa samuelis</i> on Necedah National Wildlife Refuge	01-01-1995	1	5889

Showing 1 to 6 of 6 entries (filtered from 2,749 total entries) Previous 1 Next





Summary

- *IRIS*
 - *Integrated Refuge Information System*
 - *Suite of I&M database modules*
- *IRIS SNAPSHOT*
 - *website for discovering current, relevant refuge information*



President Obama at the Open Government Partnership Event

<https://ecos.fws.gov/snapshot/>

