



Exercise E: Downloading Data

Project Leaders can download the data in the AKN Project at any time, no matter what Sharing Level it is assigned to. Data downloaded from Project Downloader includes the full dataset, not the smoothed data that is stored in the warehouse, so it will include all extended fields, original distance bins, etc.

If you have Project Leader access, you may use the Project Downloader application to retrieve data. This application allows a user to download data from multiple projects at a time, in separate files. These data will include all fields described in the sampling protocols used.

- 1) Navigate to the Project Downloader application and log in if needed. You can find a link on the DoW AKN portal (www.dodakn.org) under the “Manage Data” tab. Scroll down to “Discover Data” and select “**Raw Data Download**”.
- 2) On the left-hand side, select the blue triangle icon next to the project you would like to download data for. You can continue clicking blue triangle icons to further expand the Sampling Unit tree.
- 3) Click the boxes next to the Sampling Units you would like to download data for. Clicking a box of an overarching Sampling Unit (e.g. a Study Area) will automatically select all of the sampling units nested below it.
- 4) Under “Observation data”, select the type(s) of data you would like to download (e.g. Point count observations, Area search observations). Under “Date filter”, you can specify dates (year-month-day) to filter by or leave these boxes blank for all records.
- 5) Scroll down to the bottom and click the blue “**Download**” button.

Project Downloader

This tool allows you to download your observation data, sampling unit configurations, or both on a per-sampling unit, per-project basis. All projects that you have access to, including any in your program, will be available for selection. Once you click the download button, a zip file containing one CSV per selection will download from your browser.

Project

Select one or more projects or sampling units for data download.

Filter

All available projects and programs

Select all projects

- DOD_ARMY_81ST_RESERVE - [DOD_ARMY] DOD ARMY 81ST RESERVE
- DOD_DEMO - DoD Demonstration Project
 - Other Service Branches (OTHER)
 - Marine Corps (MARINES)
 - National Guard (GUARD)
 - CAMASNWR (CAMASNWR)
 - Crested Wheatgrass (MONO)
 - CR 25 (CR25)
 - CR 26 (CR26)
 - CR 27 (CR27)
 - CR 28 (CR28)
 - CR 29 (CR29)
 - CR 30 (CR30)

Observation data

If you would like to download observation data, select the type(s) of survey data to be included in the download.

Survey types

NOTE: If the survey data type is not available for any number of projects you've selected, those projects will not be included in the resulting download.

- Point count observations
- Area search observations
- Secretive marshbird observations
- Vegetation observations
- Site condition observations
- Linear transect observations
- Soil survey observations
- WIFL territory summaries
- Banding observations

Date filter

Select a date filter to limit observation data downloaded to those created within the specified range.

Start date Stop date



Now, compare the data file you just downloaded to the data you can download in the data downloader:

- 1) Navigate to the Data Downloader application and log in if needed. You can find a link on the DoW AKN portal (www.dodakn.org) under the “Manage Data” tab. Scroll down to “Discover Data” and click on “**Public Data Download**”.
- 2) Select the observation type (e.g. Point Count or Area Search) from the tabs under “Data Observation Types”. Then, filter for the data you wish to download. You’ll notice that you have several options:
 - a) **Protocols**—if you know the AKN sampling protocol(s) that are relevant to your download. If not relevant, select “All Protocols”. For this exercise, try selecting the protocol “5m50_100MFLy”.
 - b) **Date Range**—You can either filter by a date range or select “All Dates”.
 - c) **Species**—You can select one or more species (select multiple species by holding Ctrl and clicking on each species name).
 - d) **Regions**—To filter by region, first select a region type (for example, US States). Then select the region(s) to filter by. Select multiple regions by holding Ctrl and clicking on each region name.
 - e) **Project**—You have the option to download data from all the projects you are a project leader on, plus data from other projects that are set to Sharing Level 5. You can select one or more projects to download data from with this filter.

Note that narrowing your search using one or more filters is recommended to decrease the amount of time needed to create a download file in the next step.

The screenshot shows the 'Data Observation Types' web interface. At the top, there are tabs for 'Point Count', 'Area Search', 'Linear Transect', 'Secretive Marshbird', and 'WIFL Territories'. Below the tabs is a 'Filters' section. Under 'Protocols', there is a description and a list of protocols. The '5m50_100MFLy' protocol is highlighted. Under 'Date Range', there is a description and two buttons: 'All Dates' and 'Specific Dates'. To the right of the 'Specific Dates' button are two date input fields labeled 'Beginning Date' and 'Ending Date'.



- After selecting some filters, click **“Search”** and then **“Download”** to download a CSV of the filtered data.

Results matching your selections from Point Blue

Year	Projects	Locations Surveyed	Number of Birds	Number of Species
2020	1	5	361	41

Total download records: 468
Estimated download size: ~0.16 MB

[Download](#)

- Look at the observation time fields and the distance fields in both datasets. How are they different? Data downloaded from the Data Downloader is **Warehouse** data, which means that it has been “smoothed” so that data from different protocols can be used in the same analysis. In contrast, you’ll notice that the data you download from Project Downloader is the **Project Database** data, and will look exactly how you entered it.

Study Area	Transect	Point	Protocol	Visit	Date	Start Time	End Time	Time Bin	Time Bin	Count	Sp	Common Name	Scientific Name	Detection	Distance B	Distance B	Point Note	Obs	Researcher	Data Status
LITTLE RIVER	COMP_5	164_3_5_10m2	1	6/3/2019	8:01:00	8:11:00	3_0_3min	1	PIWA	1	Pine Warbler	Setophaga pinus	NR	G25	25 to 50	Light sprinkle, light rain	Arbour, David	AVAILABLE	Level 5	
LITTLE RIVER	COMP_5	164_3_5_10m2	1	6/3/2019	8:01:00	8:11:00	3_0_3min	1	GCFL	1	Great Crested Flycatcher	Myiarchus crinitus	NR	G50	50 to 100	Light sprinkle, light rain	Arbour, David	AVAILABLE	Level 5	
LITTLE RIVER	COMP_5	164_3_5_10m2	1	6/3/2019	8:01:00	8:11:00	3_0_3min	1	KEWA	1	Kentucky Warbler	Geothlypis formicivora	NR	G50	50 to 100	Light sprinkle, light rain	Arbour, David	AVAILABLE	Level 5	
LITTLE RIVER	COMP_5	164_3_5_10m2	1	6/3/2019	8:01:00	8:11:00	10_5_10min	1	BHCO	1	Brown-headed Cowbird	Molothrus ater	NR	G50	50 to 100	Light sprinkle, light rain	Arbour, David	AVAILABLE	Level 5	

Project	Location	Protocol	Date	Time	HabitatPlot	HabitatPlot	HabitatPlot	HabitatPlot	HabitatPlot	Researcher
					Vine	Cane	Overstory	Midstory	Understory	
LITTLE RIVER NWR	164_FWS_PC_HAB_LWRMISS	6/3/2019	8:01:00	164	3	1	3	3	4	Arbour, David

Project Database Version

Warehouse Version

GlobalUniqueIdentifier	ProjectCode	ProjectName	LocalityID	StudyArea	Transect	TransectName	Point	SamplingU	ParentSam	Sam
URN:catalog:PRBO:LITTLE RIVER NWR:300600.PointCount.3_5_10m25_50_100MflyByTm.329406.1	LITTLE RIVER NWR	Little River NWR	LITTLE RIVER NWR:COMP_5	Little River NWR	COMP_5	Compartment_5	164	300600	348115	Point
URN:catalog:PRBO:LITTLE RIVER NWR:300600.PointCount.3_5_10m25_50_100MflyByTm.329406.2	LITTLE RIVER NWR	Little River NWR	LITTLE RIVER NWR:COMP_5	Little River NWR	COMP_5	Compartment_5	164	300600	348115	Point
URN:catalog:PRBO:LITTLE RIVER NWR:300600.PointCount.3_5_10m25_50_100MflyByTm.329406.3	LITTLE RIVER NWR	Little River NWR	LITTLE RIVER NWR:COMP_5	Little River NWR	COMP_5	Compartment_5	164	300600	348115	Point
URN:catalog:PRBO:LITTLE RIVER NWR:300600.PointCount.3_5_10m25_50_100MflyByTm.329406.4	LITTLE RIVER NWR	Little River NWR	LITTLE RIVER NWR:COMP_5	Little River NWR	COMP_5	Compartment_5	164	300600	348115	Point

DecimalLatit	DecimalLonj	Visit	ProtocolCode	Observat	Year	Collect	Month	Day	JulianDa	JulianDay	P	Time	Collect	Scientific	Common	Species	Co-Phylogen	Distance	Fr	Flyc	I	Detectic	E	Observa	No	Obsr	Record	Permissions
33.9699705	-94.70262	1	3_5_10m25_50_100MflyByTm	6/3/2019	2019	6	3	154	75	8:01:00	DA	Setophaga Pine Warb	PIWA	1696	37.5	NR	1	0	AVAILABLE	LEVEL 5								
33.9699705	-94.70262	1	3_5_10m25_50_100MflyByTm	6/3/2019	2019	6	3	154	75	8:01:00	DA	Myiarchus Great Cres	GCFL	1254	75	NR	1	0	AVAILABLE	LEVEL 5								
33.9699705	-94.70262	1	3_5_10m25_50_100MflyByTm	6/3/2019	2019	6	3	154	75	8:01:00	DA	Geothlypis Kentucky	KEWA	1718	75	NR	1	0	AVAILABLE	LEVEL 5								
33.9699705	-94.70262	1	3_5_10m25_50_100MflyByTm	6/3/2019	2019	6	3	154	75	8:06:00	DA	Molothrus Brown-hei	BHCO	2015	75	NR	1	0	AVAILABLE	LEVEL 5								