

USNVC Interacting with the National Vegetation Classification: A Window on the Ecological Landscape of the United States.

VegBank.org: A Permanent, Open-Access Archive for Vegetation Plot Data.

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Background

Rapid progress is being made in North American vegetation science through recent developments with the U.S. National Vegetation Classification (NVC). Central to these advances is sharing, archiving, and disseminating field plots, the fundamental data required for describing and understanding vegetation communities. VegBank is the vegetation plot database of the Ecological Society of America's Panel on Vegetation Classification. VegBank consists of three linked databases:

- 1. Plot records, submitted by the public
- 2. Vegetation types recognized in the NVC and other types added by users
- 3. All plant taxa recognized by ITIS/USDA as well as other plant taxa recorded in plot records



http://vegbank.org

User-friendly

Powerful Search

- •Easily search for plots based on:
- Location Community type
 Project
- Species Environmental Date sampled
- Investigator variables Methods
- Search engine uses comprehensive keyword indexes, so users type what they are looking for and find it (e.g. CEGL code, common names).
- •Search for plants, communities, projects, methods, and people, as well as plots.
- •Results show and link to related data: plots for a community, related taxa, plots using a particular method, etc.

Find Valuable Data

- •Users build datasets of plots of interest as they search or browse VegBank.
- •VegBank can summarize datasets through an interactive map of plots or a constancy table.
- •Datasets may be downloaded for analysis.
- •Users may annotate plots to update species identification and community type classification. No previous information is overwritten, allowing multiple user opinions to coexist.
- •The VegBank framework and data model is open-source, allowing organizations to build on our efforts, comply with national standards, and avoid reinventing the wheel.

Manage and Contribute Data

- •Download the VegBranch tool for simple data entry or to import data from other data files.
- Convert taxonomy, check data for errors, fill in metadata, then upload your plots to VegBank.

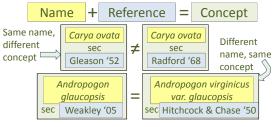
Open Access

Current Data

- •More than 70,000 vegetation plots.
- •Plots span 36 states and provinces.
- •90,000 plant concepts, following USDA.
- •16,000 community concepts, following NVC.

Concept-Based Taxonomy

Projects use different taxonomic standards. VegBank defines a plant concept as a name combined with a reference. Mapping between multiple taxonomic standards allows comparison of taxa across plots with different standards. This is essential for interpreting valuable legacy plots.



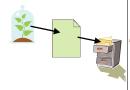
Intellectual Property

To prevent harvesting, plots with endangered species are shown with reduced precision geocoordinates (e.g., within 1km, 10km). The approximate location is still useful for many purposes. Plots may also have all location fields hidden or may be temporarily embargoed.

Plots may be individually cited with a unique VegBank Accession Code, giving original investigators credit. Groups of plots may be cited using datasets.

Data Life Cycle

Old	VegBank
Collect data.	Collect data.
Enter your data into	Import or enter your
spreadsheets in custom	data into the VegBank
formats.	client, VegBranch.
Call people you happen	Search VegBank for
to know and ask them if	similar locations, taxa,
you can include their	communities, or
data for comparison.	methods.
Transform their data to	Do nothing. All data are
match your data format.	in the same format.
Analyze data .	Analyze data.
Publish findings.	Publish findings.
File your data.	Add plots to VegBank.
If people call you and	People find your data
ask for your data, try to	online and don't have
find it and explain the	to bother you about
format to them.	them.
Eventually your data are	Your data continues to
lost in files somewhere.	inform future
	investigators.





VegBank is supported in part by:













Comprehensive

Permanent