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GBIF | Global Biodiversity Information Facility

# Free and open access to biodiversity data

## OCCURRENCES

## SPECIES

## DATASETS

PUBLISHERS

## RESOURCES



WHAT IS GBIF? ABOUT GBIF CANADA

Arabian red fox (*Vulpes vulpes* ssp. *arabica*) observed in Al Jahrah, Kuwait by q8dragon. Photo via iNaturalist (CC BY-NC 4.0).

## Occurrence records

1,582,885,664

## Datasets

53,964

## Publishing institutions

1,637

## Peer-reviewed papers using data

4,653



https://www.gbif.org/dataset/search

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## Datasets

SEARCH DATASETS | 53,964 RESULTS

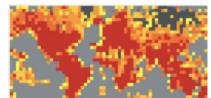
ALL OCCURRENCE CHECKLIST SAMPLING EVENT METADATA

**EOD - eBird Observation Dataset** Occurrence dataset

eBird is a collective enterprise that takes a novel approach to citizen science by developing cooperative partnerships among experts in a wide range of fields: population ecologists, conservation biol...

Published by Cornell Lab of Ornithology

705,008,469 occurrences | 150 citations

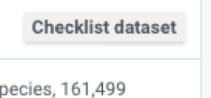


**GBIF Backbone Taxonomy** Checklist dataset

The GBIF Backbone Taxonomy is a single, synthetic management classification with the goal of covering all names GBIF is dealing with. It's the taxonomic backbone that allows GBIF to integrate...

Published by GBIF Secretariat

6,386,369 records | 70 citations



**Catalogue of Life** Checklist dataset

This release of the Catalogue of Life contains contributions from 173 databases with information on 1,900,983 species, 161,499 infraspecific taxa and also includes 1,710,092 synonyms and 437,994 commo...

Published by The Catalogue of Life Partnership

3,972,706 records | 6 citations

Species search x +

gbif.org/species/search

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Species ×

SEARCH SPECIES | 6,586,578 RESULTS

SIMPLE ADVANCED

**Animalia** Kingdom

Accepted Kingdom 1,226,988,107 occurrences

**Archaea** Kingdom

Accepted Kingdom 266,654 occurrences

**Bacteria** Kingdom

Accepted Kingdom 14,552,740 occurrences

You are searching for species in the GBIF taxonomy.

SEARCH ACROSS CHECKLISTS

Species search    New Tab

gbif.org/species/search?q=arctic%20char

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Species

arctic char

You are doing a free text search for 'arctic char'  
Limit search to All

Rank

Status

Higher taxon

Issues and flags

You are searching for species in the GBIF taxonomy.

SEARCH ACROSS CHECKLISTS

**Salvelinus alpinus subsp. alpinus** Subspecies

Synonym of: *Salvelinus alpinus* (Linnaeus, 1758)  
Classification : Animalia > Chordata > Actinopterygii > Salmoniformes > Salmonidae > Salvelinus > *Salvelinus alpinus*  
Vernacular name: *Arctic char* in English

Synonym Subspecies 42 occurrences

**Salvelinus alpinus (Linnaeus, 1758)** Species

Classification : Animalia > Chordata > Actinopterygii > Salmoniformes > Salmonidae > *Salvelinus*  
Vernacular name: *Arctic char* in English

Accepted Species 156,982 occurrences

**Salmonidae** Family

Classification : Animalia > Chordata > Actinopterygii > Salmoniformes  
... *Salvelinus alpinus* (Linnaeus) *Arctic Char* *Anisakis simplex* *Anisakis* ...

Accepted Family 2,401,965 occurrences



Salvelinus alpinus (Linnaeus, 1758) | New Tab

gbif.org/species/4284021

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**Classification**

Select a species

Kingdom Animalia

Phylum Chordata

Class Actinopterygii

Order Salmoniformes

Family Salmonidae

Genus **Salvelinus** Richardson, 1836

Species **Salvelinus alpinus** (Linnaeus, 1758)

SPECIES | ACCEPTED

source: Catalogue of Life

Alpine char In English Basionym: *Salmo alpinus* Linnaeus, 1758

OVERVIEW METRICS REFERENCE TAXON

156,982 OCCURRENCES | 2 INFRASPECIES

173 OCCURRENCES WITH IMAGES

SEE GALLERY

138,065 GEOFERENCED RECORDS

Salvelinus alpinus (Linnaeus, 1758)

- = *Salmo alpinostagnalis* Smitt, 1886
- ≡ *Salmo alpinus* Linnaeus, 1758
- = *Salmo ascianus* Valenciennes, 1848
- = *Salmo carbonarius* Størn, 1784
- = *Salmo erythrinus* Georgi, 1775
- = *Salmo hybridus* Smitt, 1886
- = *Salmo laevis* Walbaum, 1792
- = *Salmo levis* Mohr, 1786
- = *Salmo marstoni* Garman, 1893
- = *Salmo nivalis* Faber, 1829
- = *Salmo oquassa* Girard, 1854
- = *Salmo palja* Walbaum, 1792
- = *Salmo punctatus* Cuvier, 1829
- = *Salmo rutilus* Nilsson, 1832
- = *Salmo salvelinostagnalis* Smitt, 1886
- = *Salmo stagnalis* Fabricius, 1780
- = *Salmo trutta* subsp. *laevis* Walbaum 1792

Salvelinus alpinus (Linnaeus, 1758) New Tab

gbif.org/species/4284021

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Classification

Class Actinopterygii

Order Salmoniformes

Family Salmonidae

Genus *Salvelinus* Richardson, 1836

Species *Salvelinus alpinus* (Linnaeus, 1758)

= *Salmo alpinostagnalis* Smitt, 1886

≡ *Salmo alpinus* Linnaeus, 1758

= *Salmo ascanii* Valenciennes, 1848

= *Salmo carbonarius* Strøm, 1784

= *Salmo erythrinus* Georgi, 1775

= *Salmo hybridus* Smitt, 1886

= *Salmo laevis* Walbaum, 1792

= *Salmo levis* Mohr, 1786

= *Salmo marstoni* Garman, 1893

= *Salmo nivalis* Faber, 1829

= *Salmo oquassa* Girard, 1854

= *Salmo palja* Walbaum, 1792

= *Salmo punctatus* Cuvier, 1829

= *Salmo rutilus* Nilsson, 1832

= *Salmo salvelinostagnalis* Smitt, 1886

= *Salmo stagnalis* Fabricius, 1780

APPEARS IN 35 CHECKLIST DATASETS:

GBIF Backbone Taxonomy  
As *Salvelinus alpinus* (Linnaeus, 1758)

Catalogue of Life  
As *Salvelinus alpinus* (Linnaeus, 1758)

World Register of Marine Species  
As *Salvelinus alpinus* (Linnaeus, 1758)

Integrated Taxonomic Information System (ITIS)  
As *Salvelinus alpinus* (Linnaeus, 1758)

International Barcode of Life project (iBOL) Barcode Index Numbers (BINs)  
As *Salvelinus alpinus* Linnaeus, 1758

Global Names Usage Bank  
As *Salvelinus alpinus* (Linnaeus, 1758)

TAXREF  
As *Salvelinus alpinus* (Linnaeus, 1758)

APPEARS IN 93 OCCURRENCE DATASETS:

SLU Aqua Institute of Freshwater Research National register of survey test-fishing - NORS  
[View occurrences](#)

NHMO DNA Bank Fish and Herptile collection  
[View occurrences](#)

PIKE – Distribution, extinctions and introductions of freshwater fish in Sweden  
[View occurrences](#)

NINA Vanndata fisk  
[View occurrences](#)

Database of the Distributions of Marine Fishes of Arctic Canada  
[View occurrences](#)

Talvik fish tag database  
[View occurrences](#)

Gillnet test fishing and radiocaesium (Cs-137) of brown trout (*Salmo trutta*) and Arctic char (*Salvelinus alpinus*) 2008 and 2009 from 20 Central Scandinavian lake...  
[View occurrences](#)

https://www.gbif.org/occurrence/search

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## Occurrences

SEARCH OCCURRENCES | 1,582,885,780 RESULTS

	TABLE	GALLERY	MAP	TAXONOMY	METRICS	<a href="#">DOWNLOAD</a>	
⋮	Scientific name			Country or area	Coordinates	Month & year	Basis of record
	<i>Psittacus erithacus</i> Linnaeus, 1758					2020 January	Preserved specimen
	<i>Asplenium radicans</i> L.		Brazil		25.2S, 50.0W	2020 January	Preserved specimen
	<i>Berkleasmium moriforme</i> (Peck) R.T.Moore		Austria		48.1N, 16.8E	2020 January	Preserved specimen
	<i>Hypoxylon cercidicola</i> (Berk. & M.A.Curtis e...)		Austria		48.4N, 16.2E	2020 January	Preserved specimen
	<i>Hemitrichia intorta</i> (Lister) Lister		Austria		48.2N, 16.4E	2020 January	Preserved specimen
	<i>Diatrypella favacea</i> (Fr.) Ces. & De Not.		Austria		48.3N, 16.4E	2020 January	Preserved specimen
	<i>Cryptocline taxicola</i> (Allesch.) Petr.		Austria		48.2N, 16.4E	2020 January	Preserved specimen
	<i>Asota heliconia</i> subsp. <i>zebrina</i> (Butler, 1877)		Taiwan, Province of China		25.0N, 121.6E	2020 January	Human observation
	<i>Selepa</i> Moore, 1860		Taiwan, Province of China		25.0N, 121.6E	2020 January	Human observation
	<i>Lemyra imparillis</i> (Butler, 1877)		Taiwan, Province of China		25.0N, 121.7E	2020 January	Human observation
	<i>Limnonectes woodworthi</i> (Taylor, 1923)		Philippines		12.7N, 124.1E	2020 January	Preserved specimen

Occurrences

SEARCH OCCURRENCES | 477,164 RESULTS

TABLE	GALLERY	MAP	TAXONOMY	METRICS	DOWNLOAD
Heracleum mantegazzianum Sommier & Le...	United Kingdom of Great ...	56.0N, 3.5W	1991 May	Human observation	N
Heracleum maximum Bartr.	United States of America	42.4N, 88.0W	2020 June	Human observation	IH
Heracleum mantegazzianum Sommier & Le...	Ireland	52.7N, 8.6W	2013 August	Human observation	L
Heracleum mantegazzianum Sommier & Le...	Ireland	53.4N, 6.1W	2013 June	Human observation	L
Heracleum mantegazzianum Sommier & Le...	Ireland	52.6N, 8.2W	2013 September	Human observation	N
Heracleum mantegazzianum Sommier & Le...	Ireland	53.2N, 6.1W	2014 May	Human observation	N
Heracleum mantegazzianum Sommier & Le...	United Kingdom of Great ...	54.7N, 6.2W	2012 June	Human observation	N
Heracleum mantegazzianum Sommier & Le...	Ireland	53.4N, 6.3W	2012 July	Human observation	N
Heracleum mantegazzianum Sommier & Le...	United Kingdom of Great ...	54.6N, 5.9W	2014 July	Human observation	N
Heracleum mantegazzianum Sommier & Le...	United Kingdom of Great ...	54.5N, 6.3W	2015 July	Human observation	N



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# Heracleum mantegazzianum Sommier & Levier

Giant hogweed In English Observed in United Kingdom of Great Britain and Northern Ireland

Plantae > Tracheophyta > Magnoliopsida > Apiales > Apiaceae > Heracleum

DETAILS

**Species:** Heracleum mantegazzianum Sommier & Levier

**Event ID:** CI00023300000CB4

**Location:** United Kingdom of Great Britain and Northern Ireland

**Dataset:** National Trust for Scotland Species Records

**Basis of record:** Human observation

**Publisher:** National Trust for Scotland

+  
-



Occurrences

SEARCH OCCURRENCES | 477,164 RESULTS

TABLE	GALLERY	MAP	TAXONOMY	METRICS	<a href="#">DOWNLOAD</a>
Heracleum mantegazzianum Sommier & Le... Heracleum maximum Bartr. Heracleum mantegazzianum Sommier & Le... Heracleum mantegazzianum Sommier & Le...	Country or area United Kingdom of Great ... United States of America Ireland Ireland Ireland Ireland United Kingdom of Great ... Ireland United Kingdom of Great ... United Kingdom of Great ...	Coordinates 56.0N, 3.5W 42.4N, 88.0W 52.7N, 8.6W 53.4N, 6.1W 52.6N, 8.2W 53.2N, 6.1W 54.7N, 6.2W 53.4N, 6.3W 54.6N, 5.9W 54.5N, 6.3W	Month & year 1991 May 2020 June 2013 August 2013 June 2013 September 2014 May 2012 June 2012 July 2014 July 2015 July	Basis of record Human observation Human observation Human observation Human observation Human observation Human observation Human observation Human observation Human observation Human observation	D N IN L L L L N L N N

GBIF occurrence API x +

gbif.org/developer/occurrence

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DEVELOPER | API DOCS

# Occurrence API

*https://api.gbif.org/v1/*

SUMMARY REGISTRY SPECIES OCCURRENCE MAPS NEWS

This API works against the GBIF Occurrence Store, which handles occurrence records and makes them available through the web service and download files. In addition we also provide a [Map API](#) that offers spatial services.

Internally we use a [Java web service client](#) for the consumption of these HTTP-based, RESTful web services.

**Content**

- Occurrences
- Search Occurrences
- Occurrence

**Occurrences**

This API provides services related to the retrieval of single occurrence records.

Resource URL	Method	Response	Description
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# R libraries to access the API

- Hijmans, R.J, Phillips, S., Leathwick, J. and Elith, J. (2011), Package 'dismo'. <http://cran.r-project.org/web/packages/dismo/index.html>.
- Scott Chamberlain (2017). rgbif: Interface to the Global 'Biodiversity' Information Facility 'API'. R package version 0.9.8. <https://cran.r-project.org/package=rgbif>

# Examples

- <https://cran.r-project.org/web/packages/dismo/vignettes/sdm.pdf>