

# eBird-1.1-NearestLocationsWithObservationsOfASpecies

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## Description

Returns the nearest N locations (specified with the maxResults parameter) with observations of a species.

This is part of the [eBird version 1.1 API](#).

## URL

### Base URL

[http://ebird.org/ws1.1/data/nearest/geo\\_spp/recent](http://ebird.org/ws1.1/data/nearest/geo_spp/recent)

### Examples

Minimal:

[http://ebird.org/ws1.1/data/nearest/geo\\_spp/recent?lng=-76.51&lat=42.46&sci=branta%20canadensis](http://ebird.org/ws1.1/data/nearest/geo_spp/recent?lng=-76.51&lat=42.46&sci=branta%20canadensis)

Fully specified:

[http://ebird.org/ws1.1/data/nearest/geo\\_spp/recent?lng=-76.51&lat=42.46&sci=branta%20canadensis&hotspot=true&back=5&maxResults=500&locale=en\\_US&fmt=json&includeProvisional=true](http://ebird.org/ws1.1/data/nearest/geo_spp/recent?lng=-76.51&lat=42.46&sci=branta%20canadensis&hotspot=true&back=5&maxResults=500&locale=en_US&fmt=json&includeProvisional=true)

## Parameter Descriptions

| Parameter Name     | Required | Default | Value Options              | Example Value        | Description  |
|--------------------|----------|---------|----------------------------|----------------------|--|
| lat                | yes      |         | -90.00 - 90.00 decimal     | 42.46                | decimal latitude, two decimal places of precision required   |
| lng                | yes      |         | -180.00 - 180.00 decimal   | -76.51               | decimal longitude, two decimal places of precision required  |
| back               |          | 14      | 1 - 30 integer             | 7                    | the number of days back to look for observations   |
| maxResults         |          | 1000    | 1 - 1000 integer           | 10                   | the maximum number of result rows to return in this request  |
| locale             |          | en_US   | Java standard locale codes | fr_CA                | Language/locale of response (when translations are available). See <a href="http://java.sun.com/javase/6/docs/api/java/util/Locale.html">http://java.sun.com/javase/6/docs/api/java/util/Locale.html</a> . |
| fmt                |          | xml     | json, xml                  | json                 | format of the response   |
| sci                | yes      |         | any scientific name        | larus%20delawarensis | scientific name of the species of interest (not case sensitive). See <a href="#">eBird-1.1-SpeciesReference</a> for a complete list of supported scientific names  |
| hotspot            |          | false   | true,false                 | false                | set to true if results should be limited to sightings at hotspots  |
| includeProvisional |          | false   | true,false                 | false                | set to true if you'd like flagged records that have not yet been reviewed to be included in the results  |

## Simple Result Fields

| Field (JSON) | Field (XML) | Description   |
|--------------|-------------|---|
| comName      | com-name    | species common name. not included in the 'simple' detail if a scientific name was specified as an input parameter   |
| sciName      | sci-name    | species scientific name. not included in the 'simple' detail if a scientific name was specified as an input parameter   |
| obsDt        | obs-dt      | observation date formatted according to <a href="#">ISO 8601</a> (e.g. 'YYYY-MM-DD', or 'YYYY-MM-DD hh:mm'). Hours and minutes are excluded if the observer did not report an observation time. |
| howMany      | how-many    | The number observed. Not included if only presence was noted  |
| locID        | loc-id      | unique identifier for the location  |

|                 |                  |   |
|-----------------|------------------|---|
| locationPrivate | location-private | 'true' if location is not a birding hotspot. 'false' otherwise  |
| locName         | loc-name         | location name   |
| lat             | lat              | latitude of the location  |
| lng             | lng              | longitude of the location   |
| obsReviewed     | obs-reviewed     | 'true' if obs has been reviewed. 'false' otherwise  |
| obsValid        | obs-valid        | 'true' if obs has been deemed valid by either the automatic filters or a regional reviewer. 'false' otherwise |

## Example Responses

### XML

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <header>
    <locale country="US" language="en"/>
    <timestamp>
      2009-07-01T10:29:53.035-04:00
    </timestamp>
    <criteria>
      <command>
        <fmt>
          xml
        </fmt>
        <include-provisional>
          true
        </include-provisional>
        <r>
          L99381
        </r>
        <back>
          30
        </back>
        <max-results>
          500
        </max-results>
        <detail>
          simple
        </detail>
      </command>
    </criteria>
  </header>
  <result>
    <sighting>
      <loc-id>
        L99381
      </loc-id>
      <obs-dt>
        2009-06-24 17:00
      </obs-dt>
      <obs-reviewed>
        false
      </obs-reviewed>
      <obs-valid>
        true
      </obs-valid>
      <loc-name>
        Stewart Park
      </loc-name>
      <how-many>
        1
      </how-many>
      <lat>
        42.4613266
      </lat>
      <lng>
        -76.5059255
      </lng>
      <com-name>
        Barn Swallow
      </com-name>
      <sci-name>
        Hirundo rustica
      </sci-name>
    </sighting>
  </result>
</response>
```

**JSON**

```
[{
    "locID": "L99381",
    "lat": 42.4613266,
    "howMany": 1,
    "locName": "Stewart Park",
    "obsValid": true,
    "lng": -76.5059255,
    "sciName": "Hirundo rustica",
    "obsReviewed": false,
    "obsDt": "2009-06-24 17:00",
    "comName": "Barn Swallow"
}]
```

## Special Conditions and Error Handling

If there are validation problems with the input parameters the response will have an appropriate HTTP status code (e.g., 400) and details of the problem will be provided in the result format requested (JSON or XML).

### Error Responses

#### XML

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
    <header>
        <locale country="US" language="en"/>
        <timestamp>
            2009-07-01T10:45:34.758-04:00
        </timestamp>
        <criteria>
            <command>
                <fmt>
                    xml
                </fmt>
                <include-provisional>
                    true
                </include-provisional>
                <r>
                    L99381
                </r>
                <back>
                    320
                </back>
                <max-results>
                    500
                </max-results>
                <detail>
                    simple
                </detail>
            </command>
        </criteria>
        <errors>
            <error>
                <error-msg>
                    The maximum number of days back is 30
                </error-msg>
                <error-code>
                    error.data.too_many_back
                </error-code>
            </error>
        </errors>
    </header>
    <result/>
</response>
```

## JSON

The response will include a simple array containing details of the problems encountered:

```
[ {  
    "errorMsg": "The maximum number of days back is 30",  
    "errorCode": "error.data.too_many_back"  
}]
```

## Current List of Error Messages

This list may change or be added to at any time. Items in brackets will be specified at the time the message is received.

```
error.data.dist_out_of_range = Distance must be between {0} and {1}  
error.data.lat_out_of_range = Latitude out of range  
error.data.lng_out_of_range = Longitude out of range  
error.data.lat_required = Parameter 'lat' is required  
error.data.lng_required = Parameter 'lng' is required  
error.data.rcodes_required = Please specify a region code  
error.data.rtype_required = The parameter 'rtype' for region type is required  
error.data.rcodes_toomany = Too many region codes. Please limit your selection to {0} region codes.  
error.data.too_many_back = The maximum number of days back is {0}  
error.data.too_few_back = Please specify a number of days back greater than zero.  
error.data.too_many_results = Please specify a "maxResults" parameter greater than {0}.  
error.data.too_few_results = Please specify a "maxResults" parameter less than or equal to {0}.  
error.data.unknown_species = Unknown species: {0}  
error.data.sci_required = Please specify the scientific name of the species of interest with the parameter 'sci'.  
error.data.unsupported_detail = Sorry, the "{0}" detail is not currently supported for this service.  
error.data.unsupported_rtype = Sorry, the region type "{0}" is not currently supported for this service.  
error.unsupported_fmt = Sorry, {0} format is not currently supported for this service.
```

## Caching Information

For details on caching of results by our servers, see [eBird-1.1-CacheInformation](#)

Unknown macro: {import}