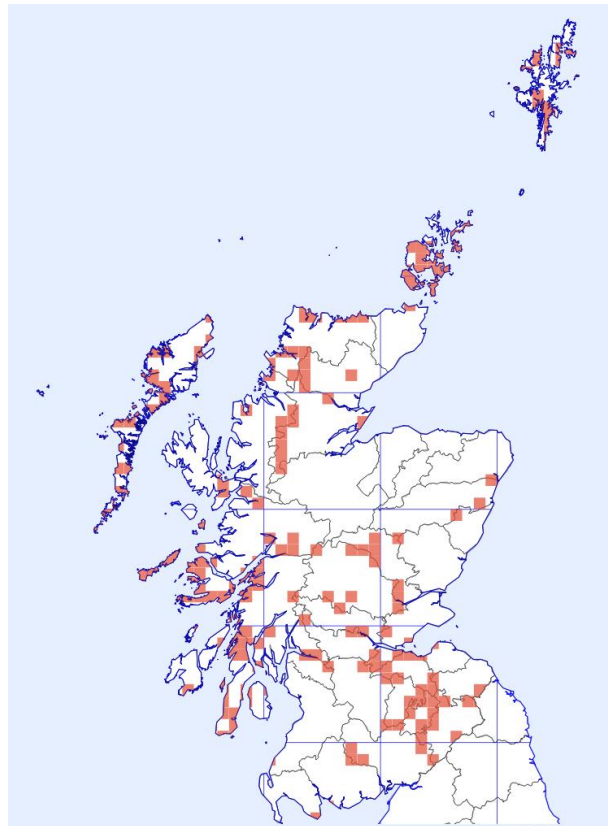


Validation tools in the DDb

- grid-ref place/vc inconsistencies
- outliers (spatial and temporal)
- visualisation tools
- comparison with accepted distribution
- duplicate finding

Validation tools in the DDb

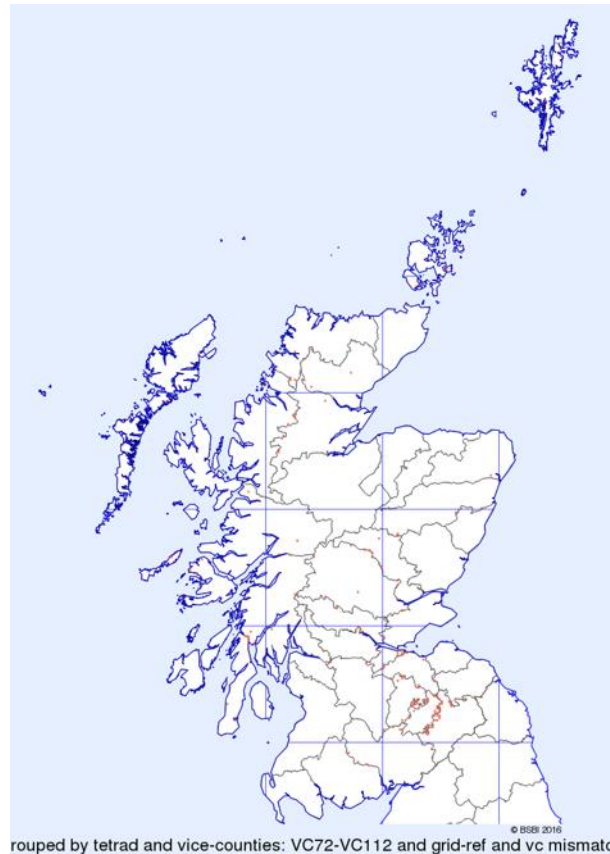
- grid-ref place/vc inconsistencies



Grouped by hectad and vice-counties: VC72-VC112 and grid-ref and vc mismatch

Validation tools in the DDb

- grid-ref place/vc inconsistencies



Validation tools in the DDb

- grid-ref place/vc inconsistencies

The screenshot shows the 'Search form' tab of the DDb interface. The search criteria are set to 'Records (specimens or observations)' for 'Scotland'. The 'recorder' is set to 'any role' and 'broad match'. The 'place name' is set to 'place name' and 'broad match'. A 'more options' dropdown menu is open, showing a list of search criteria: 'saved results', 'taxon', 'date recorded', 'recorder', 'admin', 'attributes', 'grouping', 'locality', 'options', 'source', 'validation', and 'join with a sub-query'. The 'validation' option is selected, and a sub-menu is open showing a list of validation tools: 'Grid-ref precision validation', 'Gridref-placename validation', 'Hectad status not known', 'singleton', 'Specified altitude consistent with gridsquare', 'Grid-ref and vc validation', 'co-occurrence validation-state', 'validation state', and 'adjacent squares'. The 'Gridref-placename validation' option is highlighted.

Search form Search templates

search for

county/region

recorder

place name

more options ▾

Current search-form filters: records where vice-county is Scotland

display results

[reset search form](#)

[help...](#)

download results

validation

- Grid-ref precision validation
- Gridref-placename validation
- Hectad status not known
- singleton
- Specified altitude consistent with gridsquare
- Grid-ref and vc validation
- co-occurrence validation-state
- validation state
- adjacent squares

Validation tools in the DDb

- grid-ref place/vc inconsistencies

The screenshot shows a web-based search form for the DDb. The form has two tabs: "Search form" (selected) and "Search templates". The search criteria are as follows:

- search for:** Records (specimens or observations) (dropdown)
- county/region:** Scotland, (text input with clear and add buttons)
- recorder:** any role (dropdown) | person or organisation (text input)
- place name:** place name (text input) | broad match (dropdown)
- gridref-placename validation:** sitename-gridref flagged as suspect (broad match) (dropdown)

A dropdown menu is open under "gridref-placename validation", showing the following options:

- sitename-gridref flagged as suspect
- sitename-gridref flagged as suspect (broad match) (highlighted)
- sitename associated with hectads in multiple 100km squares
- sitename associated with hectads in multiple 100km squares (broad match)
- possible site-surname variants given different hectads
- possible duplicate variants given different hectads

At the bottom of the form, there are buttons for "display results", "email results", and "download results". Below these buttons are links for "reset search form" and "help...".

Validation tools in the DDb

- outliers (spatial and temporal)

Search form Search templates

search for ⓘ Records (specimens or observations) ▼

taxon ⓘ taxon name ⓘ +

county/region ⓘ Mid Perthshire, ⓘ +

more options ▼

Current search-form f
records where vice-cou

display results

[help...](#)

saved results
taxon
date recorded
recorder
admin ▶
attributes ▶
grouping ▶
locality ▶
options ▶
source ▶
validation ▶
join with a sub-query

ts

download results

save query

Date validation
Grid-ref precision validation
Gridref-placename validation
Hectad status not known
singleton
Specified altitude consistent with gridsquare
Grid-ref and vc validation
co-occurrence validation-state
validation state
adjacent squares

Validation tools in the DDb

- outliers (spatial and temporal)

Search form

Search templates

search for ⓘ Records (specimens or observations) ▼

taxon ⓘ

taxon name

✕

+

county/region ⓘ

Mid Perthshire,

✕

+

singleton ⓘ

vice-county single record ▼

✕

+

more options ▼

Current search-form filter

records where vice-county: VC

display results

[help...](#)

vice-county single record

vice-county single hectad

hectad single record

hectad-dateclass single record (and no more recent dateclasses)

first record (nationally)

first record (nationally, at species level or above)

first record (vc)

first record (vc, at species level or above)

single record within specified radius

single record within specified radius (at species level or above)

save query

Validation tools in the DDb

- outliers (spatial and temporal)

Current search-form filter

records where recorded since 2000 and vice-county: VC88 and taxon rank equal to or below species and hectad single record at species level (ignore higher ranks and merge lower ranks)

[display results](#)
[email results](#)
[download results](#)
[save query](#)
[reset search form](#)
[help...](#)
[results table](#)
[download](#)
[printable map](#)
[zoomable map](#)
[help](#)

1767 records matched your query.

<< first < prev 3 4 5 6 7 8 9 10 11 12 next > last >>

			taxon	recorder		vc	locality	grid ref	date		status
<input type="checkbox"/>			<i>Fuonymus europaeus</i> * 1st	Anstey, F.	VC88		Dalguise	NN992479	23/3/2006		planted
<input type="checkbox"/>			<i>Arabidopsis thaliana</i> *	McIntosh, J.W.	VC88		Auchinner	NN6915	3/10/2015		
<input type="checkbox"/>			<i>Rosa caesia x stylosa</i> * † (488km)	Godfrey, A.	VC88		Killichangie by River Tummel	NN96575425	2/8/2009		
<input type="checkbox"/>			<i>Scilla bifolia</i> * †	Anstey, F.	VC88		Dalguise	NN991473	8/4/2002		
<input type="checkbox"/>			<i>Avenula pubescens</i> *	McIntosh, J.W.	VC88		Dovens Den	NQ21D	4/6/2010		
<input type="checkbox"/>			<i>Erophila verna</i> s.s. *	Godfrey, A.	VC88		Kinloch Rannoch	NN65U	14/6/2009		
<input type="checkbox"/>			<i>Atriplex patula</i> *	Godfrey, A.	VC88		Strathbraan - Drumour Estate, NN93U	NN93U	12/10/2008		
<input type="checkbox"/>			<i>Saxifraga stellaris</i> *	McIntosh, J.W. , Godfrey, A.	VC88		Meall Odhar, Calliachar	NN85964282	10/6/2015		
<input type="checkbox"/>			<i>Galeopsis tetrahit</i> s.s. *	McIntosh, J.W.	VC88		Dalcroy	NN75U	28/8/2013		
<input type="checkbox"/>			<i>Ilex aquifolium</i> *	McIntosh, J.W.	VC88		Ardtnaig	NN73E	24/5/2010		
<input type="checkbox"/>			<i>Sedum telephium</i> *	Godfrey, A.	VC88		River Tay S bank, Grandtully Castle tetrad	NN85V	29/4/2011		
<input type="checkbox"/>			<i>Buxus sempervirens</i> *	McIntosh, J.W.	VC88		Crieff	NN8621	11/5/2016		NR GB:DD
<input type="checkbox"/>			<i>Thuja plicata</i> *	McIntosh, J.W.	VC88		Upper Cloan	NN91Q	13/5/2009		
<input type="checkbox"/>			<i>Elymus caninus</i> *	Green, I.	VC88		Loch Lednock Reservoir, N of	NN73A	18/7/2004		
<input type="checkbox"/>			<i>Salix myrsinifolia x phylicifolia</i> = <i>S. x tetrapla</i> *	McIntosh, J.W.	VC88		Stuc an Lochain	NN4859244794	25/8/2010		
<input type="checkbox"/>			<i>Pseudorchis albida</i>	Jannink, M. , Stanley, P.D.	VC88		Beinn Heasgarnich	NN4284237926	7/7/2006		
<input type="checkbox"/>			<i>Alchemilla filicaulis subsp. vestita</i> *	McIntosh, J.W.	VC88		Sma' Glen	NN9020	9/9/2014		

Current search-form filter

records where recorded between 1930 and 1987 (using end dates) and vice-county: VC88 and taxon rank equal to or below species and Date is inconsistent with known dates of associated recorder

[display results](#)
[email results](#)
[download results](#)
[save query](#)
[reset search form](#)
[help...](#)
[results table](#)
[download](#)
[printable map](#)
[zoomable map](#)
[help](#)

21 records matched your query.

			recorder		locality	grid ref	date		status
<input type="checkbox"/>		<i>Calamagrostis stricta</i>	Lousley, J.E.	VC88	Loch Tummel	NN778589	1900-1980 ? -1976		NR GB:VU
<input type="checkbox"/>		<i>Hieracium marshallii</i>	Foggitt, T.J.	VC88	Loch-na-Chait	NN64	-1980 ? -1947		
<input type="checkbox"/>		<i>Equisetum arvense</i>	Wheldon, J.A. Wilson, A.	VC88	VC88 Mid Perthshire	NN64	-1950 ? -1924		
<input type="checkbox"/>		<i>Hieracium breadalbanense</i>	Linton, E.F.	VC88	Ben Lawers	NN64	-1980 ? -1928		
<input type="checkbox"/>		<i>Salix arbuscula</i>	Wheldon, J.A. Wilson, A.	VC88	Ben Lui	NN22	1931 ? -1924		NS
<input type="checkbox"/>		<i>Euphrasia arctica subsp. borealis</i>	Graham, R.A.	VC88	VC88 Mid Perthshire	NN6538	18/7/1964 ? -1958		GB:DD
<input type="checkbox"/>		<i>Hieracium shoobredii</i>	Marshall, E.S.	VC88	Sow of Atholl	NN67	-1980 ? -1919		
<input type="checkbox"/>		<i>Hieracium cremnanthes</i>	Groves, H. Groves, J.	VC88	Stuich an Lochan	NN64	-1980 ? -1947		
<input type="checkbox"/>		<i>Hieracium eustales</i>	Linton, E.F.	VC88	Meal Ghaordie, N slopes	NN54	-1980 ? -1928		NR GB:DD
<input type="checkbox"/>		<i>Hieracium cuspidens</i>	Marshall, E.S.	VC88	Fortingal-Fearman road, W	NN74	-1980 ? -1919		
<input type="checkbox"/>		<i>Hypericum maculatum subsp. maculatum</i>	Bickham, S.H.	VC88	VC88 Mid Perthshire	NN84	1973 ? -1933		GB:DD
<input type="checkbox"/>		<i>Cystopteris fragilis</i>	Syme, J.T.I.B.	VC88	VC88 Mid Perthshire	NN5732	-1940 ? -1888		
<input type="checkbox"/>		<i>Taraxacum faeroense</i>	Reader, H.P.	VC88	VC88 Mid Perthshire	NN5732	1980 ? -1929		
<input type="checkbox"/>		<i>Dactylorhiza purpurella</i>	Hall, P.M.	VC88	VC88 Mid Perthshire	NN74	1937 ? -1928		
<input type="checkbox"/>		<i>Cystopteris montana</i>	Wheldon, J.A. Wilson, A.	VC88	VC88 Mid Perthshire	NN22	-1950 ? -1924		NR
<input type="checkbox"/>		<i>Hieracium cremnanthes</i>	Linton, E.F.	VC88	Luib	NN42	-1980 ? -1928		
<input type="checkbox"/>		<i>Hieracium petrocharis</i>	Groves, H. Groves, J.	VC88	Ben Dubhcraig	NN32	-1980 ? -1947		
<input type="checkbox"/>		<i>Woodsia alpina</i>	Hall, L.B.	VC88	Mid Perthshire		1973 ? -1945		NR GB:VU
<input type="checkbox"/>		<i>Woodsia alpina</i>	Hall, L.B.	VC88	Mid Perthshire		1982 ? -1945		NR GB:VU
<input type="checkbox"/>		<i>Hieracium anglicum</i>	Pugsley, H.W.	VC88	Camcreag	NN53	-1980 ? -1947		
<input type="checkbox"/>		<i>Cystopteris fragilis</i>	Marshall, E.S.	VC88	VC88 Mid Perthshire	NN4324	-1940 ? -1919		

Validation tools in the DDb

- visualisation tools

Validation tools in the DDb

- visualisation tools

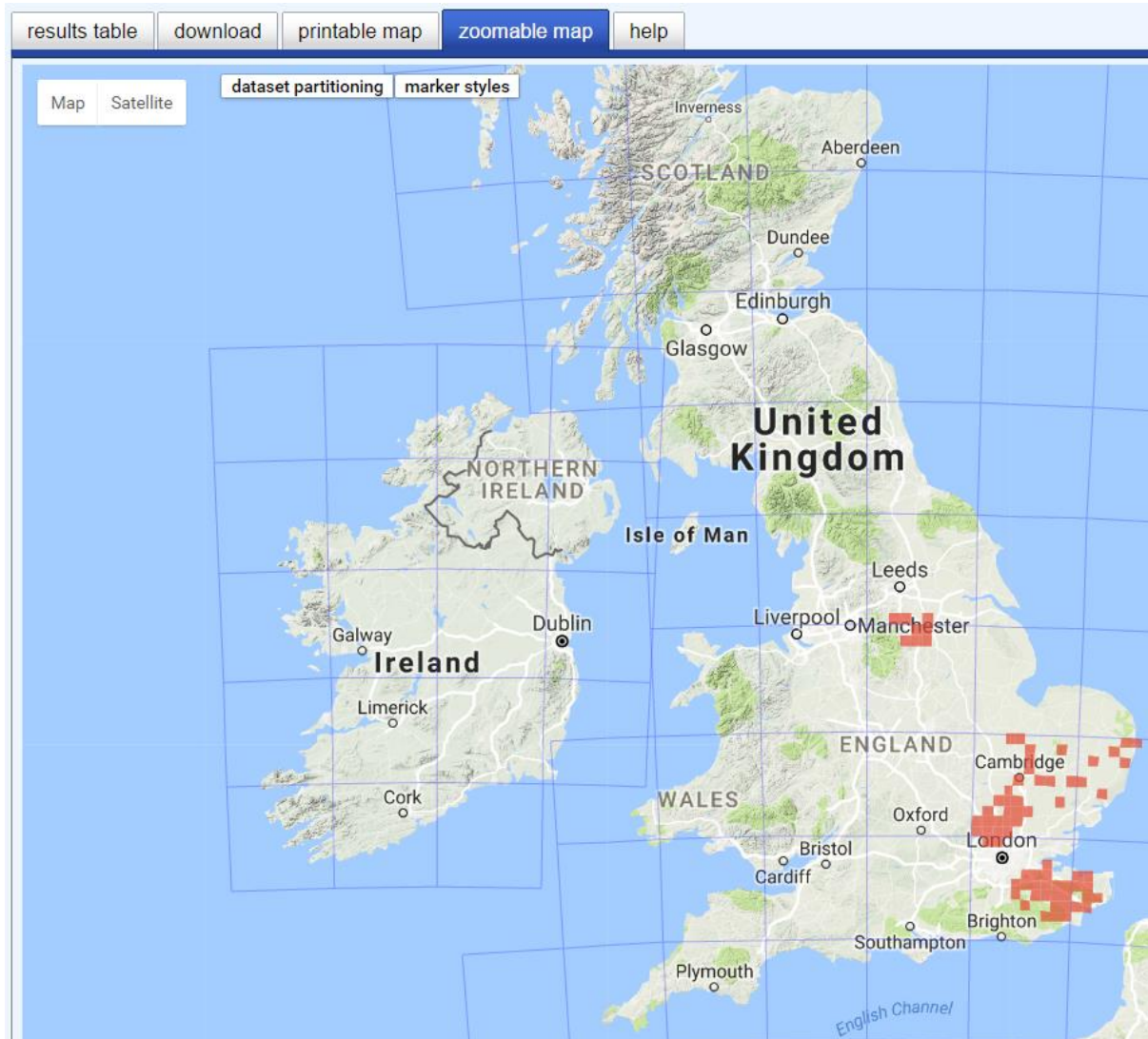
Crataegus x macrocarpa

* [EDIT](#) [QUOTE](#)

by [davidbroughton](#) » Mon Feb 27, 2017 5:41 pm

There appears to be a suspicious number of records, particularly old ones before this hybrid was in the widely available literature, for *Crataegus x macrocarpa* (*rhpidophylla x laevigata*). Is this a synonym issue with *x media* intended? There does not seem to be a corresponding cover of *x subsphaerica* in the same regions but this is very common.

Validation tools in the DDb



Validation tools in the DDb

- comparison with accepted distribution

Search form

Search templates

search for

Records (specimens or observations)

county/region

Mid Perthshire

hectad status not known

hectad status

more options

Current search-form filter

records where vice-county: VC88 and no current hectad status for taxon-hectad combination

display results

email results

download results

save query

reset search form

help...

results table

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printable map

zoomable map

help

5839 records matched your query.

<< first

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1

2

3

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next >

last >>

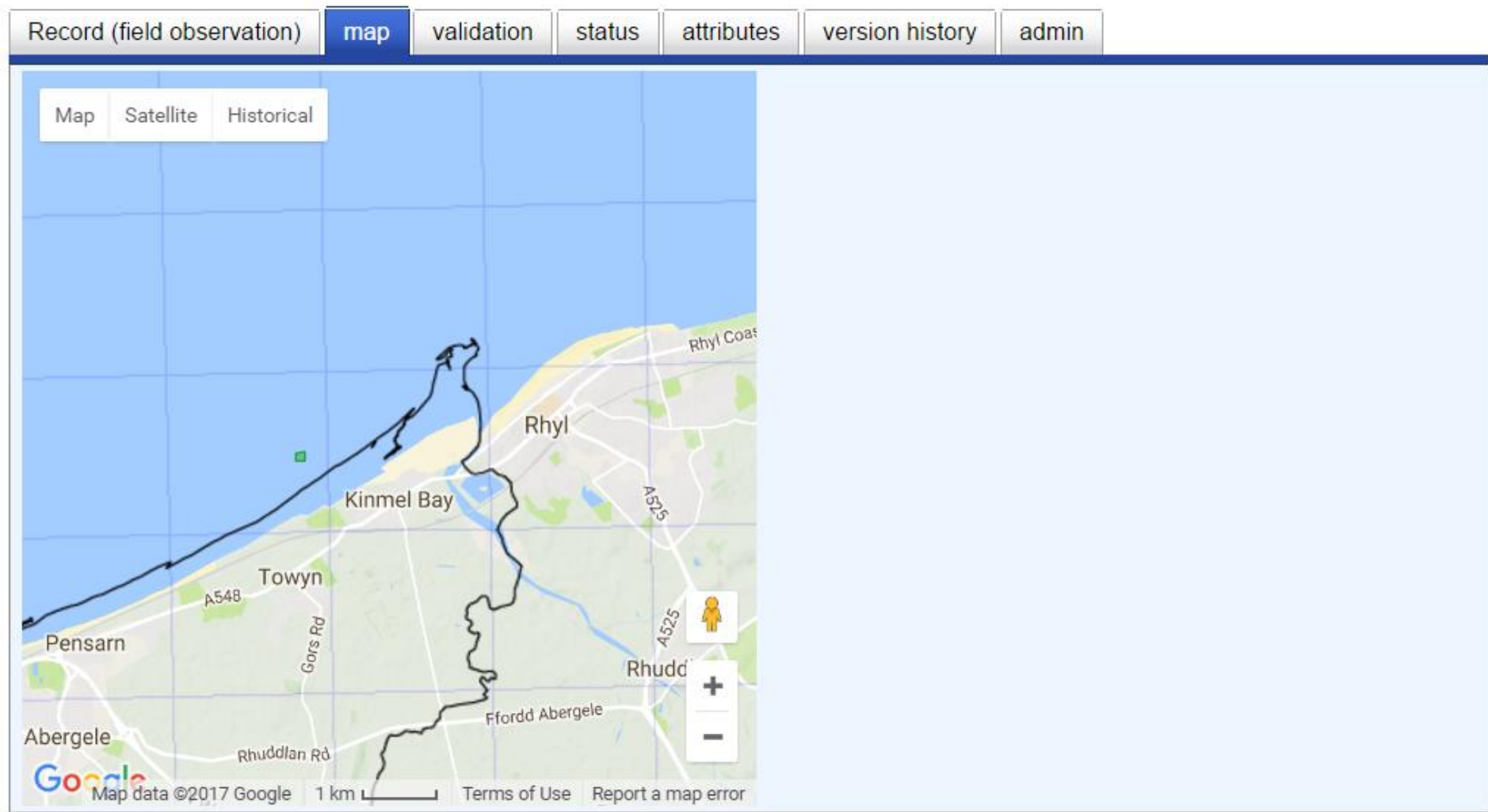
	record	taxon	recorder	vc	locality	grid ref	date	status
		Salix caprea x cinerea = S. x reichardtii	Godfrey, A.	VC88	River Braan to Balhomish - Glen Garr Track & Fields	NO04A	9/9/2007	
		Carex lepidocarpa	McIntosh, J.W.	VC88	Loch Turret - north	NN82E	21/8/2006	
		Cornus suecica	Godfrey, A. Tucker, L.	VC88	Ben Vorlich - Coire Buidhe	NN62531900	2/9/2012	GB:NT
		Aster novi-belgii s.s.	Godfrey, A.	VC88	Birmam, Ringwood - River Tay Banks and Woods	NO04344065	30/9/2009	
		Scilla siberica *	Godfrey, A.	VC88	Aberfeldy - River Tay Banks and Woods	NN85154917	18/4/2010	
		Calamagrostis epigeios *	Godfrey, A.	VC88	River Tay Banks and Woods at Bertha (NO02Y - VC88)	NO09442790	7/11/2010	
		Laburnum anagyroides *	Godfrey, A.	VC88	Monzie & Connachan - Monzie Wood SSSI	NN82Y	13/6/2010	
		Mycelis muralis *	Godfrey, A.	VC88	Dalerb, Loch Tay	NN7645	22/6/2013	
		Matricaria chamomilla *	Stewart, N.F. et al.	VC88	Backwater of R Tummel on W side of Ballinluig Island	NN973526	21/8/2006	
		Cotoneaster simonsii	Godfrey, A.	VC88	Luncarty - Luncarty Woods	NO02Z	29/3/2007	
		Crocosmia aurea x pottsii = C. x crocosmiiflora *	Godfrey, A.	VC88	Bolfracks to Weem - Weem Wood	NN84J	21/6/2009	
		Polygonum arenastrum	McIntosh, J.W.	VC88	Glenalmond House	NN934287	18/9/2013	
		Pseudotsuga menziesii	McIntosh, J.W.	VC88	Dalcrain	NN71D	16/10/1999	
		Juncus bufonius s.s.	McIntosh, J.W.	VC88	Camusvrachan	NN64D	16/9/2009	

What to do if you find a problem edit or reject?

Record (field observation)	map	validation	status	attributes	version history	admin
Record (field observation)						
taxon	Calystegia soldanella (L.) R.Br. "Sea Bindweed"					
date	23/5/1973					
locality	VC50 Denbighshire VC50 SH976809 					
recorder	I.R. Bonner and J.M. Brummitt					
	confirmed externally, assessed by external VPDB user 					
validity	rejected: "Incorrect grid ref. Correct duplicate exists" (Record has internal inconsistencies (date/gridref/locality/other)) 2017-03-04 by Delyth Williams 					
source data set	Atlas2000 - updated records from December 1995 onwards (VPDB:dataset:158)					
status	native					
external id	BSBI:VPDB:record:198834					
ddb row id	2cd4p9h.1e2xxs #2cd4p9h.4hzcth					
data source	Vascular plants database (via provider The Botanical Society of the British Isles)					
last modified	Wed, 16 Mar 11 14:44:00 +0000					

Please cite this database record as <https://database.bsbi.org/record/2cd4p9h.1e2xxs>

What to do if you find a problem edit or reject?



Current search-form filter

records where validation state any and recorded between 23/5/1973 and 23/5/1973 (using intersection of ranges) and taxon [Calystegia soldanella](#) (L.) R.Br. "Sea Bindweed" and grid-reference [SH976809](#) (radius 2000m)

[display results](#)[email results](#)[download results](#)[save query](#)[reset search form](#)[help...](#)[results table](#)[download](#)[printable map](#)[zoomable map](#)[help](#)

4 records matched your query.

	record	taxon	recorder	vc	locality	grid ref	date	status
<input type="checkbox"/>		Calystegia soldanella	Green, J.A.	VC50	Kinmel Bay	SH996809	1973	
<input type="checkbox"/>		Calystegia soldanella		VC50	Bae Cinmel	SH996809	1973	
<input type="checkbox"/>		Calystegia soldanella	Bonner, I.R. Brummitt, J.M.	VC50 *	VC50 Denbighshire	SH976809	23/5/1973	
<input type="checkbox"/>		Calystegia soldanella	{ Green, J.A. }	VC50	Foryd	SH98	1970-1986	

[select all](#)[select none](#)selected records action [change record validation state ▼](#)mark validation state as [apply change to selected records](#) [hide duplicates](#) ☐

Current search-form filter

records where validation state any and recorded between 23/5/1973 and 23/5/1973 (using intersection of ranges) and taxon [Calystegia soldanella](#) (L.) R.Br. "Sea Bindweed" and grid-reference [SH976809](#) (radius 2000m)

display results

email results

download results

save query

[help...](#)

results table

download

print

4 records matched your query.

	record	taxon
<input type="checkbox"/>		Calystegia soldanella
<input type="checkbox"/>		Calystegia soldanella
<input checked="" type="checkbox"/>		Calystegia soldanella
<input type="checkbox"/>		Calystegia soldanella

select all

edit:

Only records to which you have access

apply change to selected records

Bulk edit

Edit 1 record?

Any changes to grid references should reflect the intent of the original recorder.

Remember that the record's site name or county may be wrong rather than the gridref and that a place name might legitimately refer to a wide area. If the gridreference is spuriously precise then it may be best to change it to a centroid instead of editing it using this tool.

new grid reference

comment:

Corrected probable typo in off-shore grid-reference to match duplicate records, grid-ref was SH976809

Edit

Cancel

grid ref	date	status
SH996809	1973	
SH996809	1973	
SH976809	23/5/1973	
SH98	1970-1986	

Editing or rejecting

- *don't make changes for the sake of consistency*
 - *the original record should usually stand*
- *if editing, make the minimal change possible and always reflect the intent of the recorder.*
- *if the record is wrong then reject it – don't try to make it 'right'*

Accepting records

- *often easier to work out which records to accept than which to reject*
- *The problem will increase as more data reaches the BSBI from diverse sources (e.g. iRecord)*
- *If you can, then prefer to accept records – even if they duplicate existing data and don't appear to add value.*

Record of Eupteryx florida

Record Details

Record ID:	2467364
Species:	Eupteryx florida
Taxonomy:	Animalia :: Hemiptera :: Cicadellidae
Survey:	iRecord general data
Recorder:	Humphrey, Tom
Record status:	Plausible
Verified by:	Stewart, Alan
Date:	12/09/2015
Grid ref:	SU61689186
Site name:	Benson
Sample comment:	On sage leaves
Submission date	Entered on 12th September 2015 at 18:07 and last updated on 21st February 2016 at 11:52
EUNIS Habitat	Gardens and parks
Certainty	Uncertain
Sex	not recorded
Stage	adult
Recorder Name	Humphrey, Tom

[Edit this record](#)[Explore records of Eupteryx florida](#)[Eupteryx florida details page](#)

Photos and Media



? Eupteryx florida

Stewart, Alan 1 year ago

Plausible.

Dear Tom

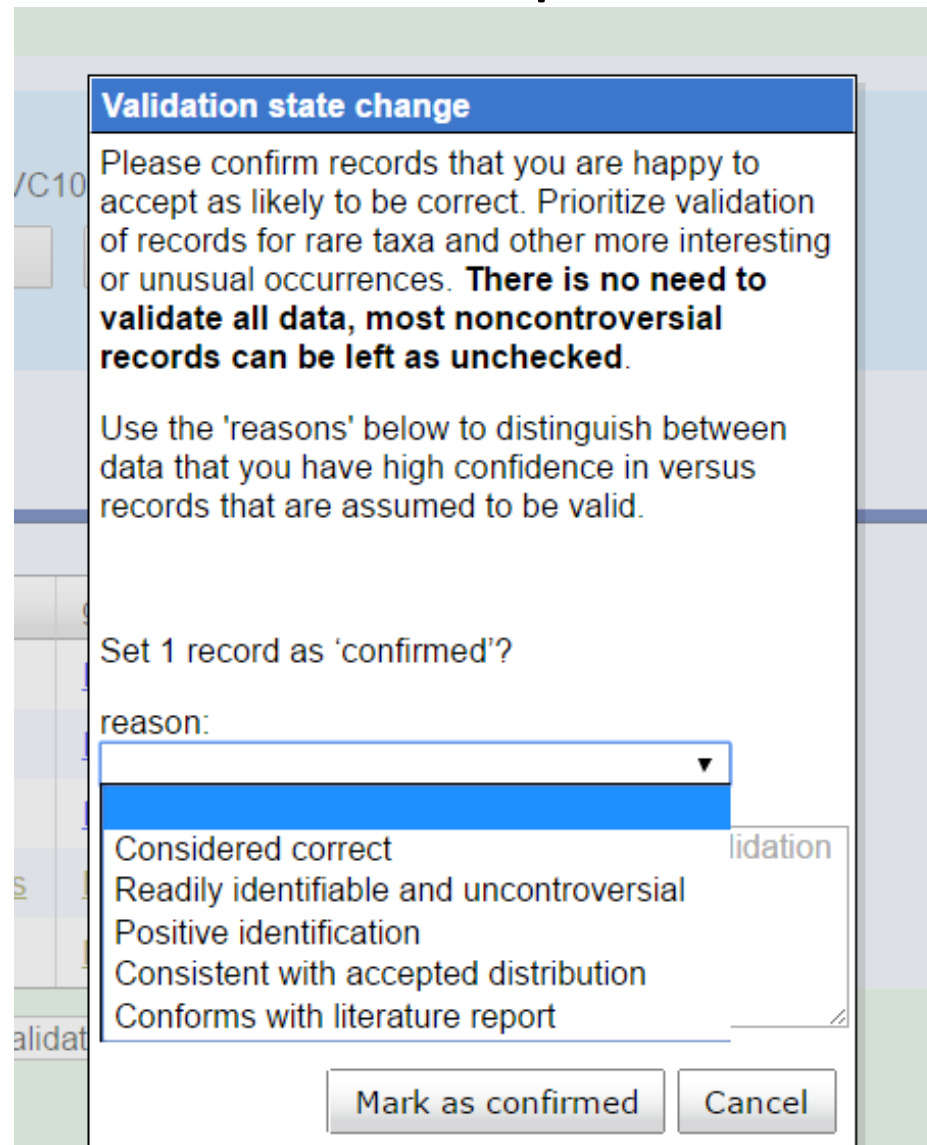
This is certainly possible, but difficult to tell from a slightly fuzzy photo. If it was on sage, *E. melissae* is more likely, although not definite. You need either a specimen or a sharper photo of the top of the head and the venation in the wing.

Kind regards,
Alan Stewart

Add new comment

Save

DDb validation options



Validation state change

Please confirm records that you are happy to accept as likely to be correct. Prioritize validation of records for rare taxa and other more interesting or unusual occurrences. **There is no need to validate all data, most noncontroversial records can be left as unchecked.**

Use the 'reasons' below to distinguish between data that you have high confidence in versus records that are assumed to be valid.

Set 1 record as 'confirmed'?

reason:

- Considered correct
- Readily identifiable and uncontroversial
- Positive identification
- Consistent with accepted distribution
- Conforms with literature report

Mark as confirmed Cancel

DDb validation options

Validation state change

Please only reject records that you know to be *wrong* and where it would be *impossible to safely correct the record*.

Data that cannot be confirmed and which is unlikely to be valid should normally be marked as '*doubtful*'. Records that are unacceptable, but which it might be possible to correct later should be marked as '*needs checking*'.

Set 1 record as 'rejected'?

reason:

- Outside known range
- Record has internal inconsistencies (date/gridref/locality/other)
- Not compatible with local conditions
- Similar occurrences have been previously rejected.
- Record is misidentified.
- Associated specimen is inadequate or corrupted

Mark as rejected Cancel

Strategies for data validation

- Prioritise rare and scarce taxa
- Stay on top of new data
- Follow-up anomalies