

Lectotypifications of names of species of *Hieracium* known from the Swedish provinces Gotland and Östergötland

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Twenty-eight names of taxa of *Hieracium*, occurring in, and in most cases described on the basis of material from, the SE Swedish provinces of Gotland and Östergötland are lectotypified.

Key words: *Hieracium*, lectotypes, nomenclature, taxonomy

Introduction

While working on my recently published accounts of the species of *Hieracium* sect. *Hieracium* and *H.* sect. *Vulgata* of the SE Swedish provinces of Gotland and Östergötland (Tyler 2002a, 2002b, 2003) the need to lectotypify as many as possible of the relevant names became apparent. Some of the names of taxa described from these provinces were lectotypified by Tyler (2000) and Sennikov (2003), but quite a number remain, and these are the focus of the present paper. Apart from taxa originally described on material from the above-mentioned provinces, lectotypes are here designated for the names of a few widespread taxa described from other areas. However, since it is of utmost importance when selecting lectotypes to have a good knowledge of the species' variation in their main area of distribution, I have generally refrained from designating lectotypes for names of taxa described from

areas whose *Hieracium* flora has not yet been thoroughly treated.

Nomenclatural work in Nordic *Hieracium* presents some particular problems. However, these particularities have already been described and discussed thoroughly by Sennikov (2002) and Tyler (2000) and do not need to be discussed further here. In most cases, the selection of lectotypes for names of taxa described by the early 20th century authors Karl Johansson and Hugo Dahlstedt is relatively unproblematic. For most of their taxa there is plenty of original material preserved in Swedish public herbaria, in many cases parts of this material were distributed as exsiccata by these authors and it is only rarely that it can be shown that the original material, although often made up of gatherings from many different localities, belongs to more than one taxon. When designating lectotypes, material distributed as exsiccata has been preferred here since such material is likely to have been considered particularly rep-

representative by the author and duplicates of it are available to scientists working in more than one herbarium. When any problems due to inhomogeneity of the original material have been recognised, they are discussed below. For a description and discussion of the morphology of the species, their circumscription, and the synonymy of names treated here, see Tyler (2002a, 2002b, 2003).

Lectotypifications

Hieracium adampliatum (Dahlst.) Dahlst. (1903 exs. XV:71)

— *H. gothicum* Fr. ssp. *adampliatum* Dahlst. (1894a: p. 185). — LECTOTYPE (designated here): Sweden. “Ög.: Ätvids s:n, Karstorp. 10/7 1889, *H. Dahlstedt*” (S).

Hieracium adiposum (Dahlst) Dahlst. ex Johanss. (1927: p. 53)

— *H. turbiniceps* Dahlst. ssp. *adiposum* Dahlst. (1894a: p. 99). — LECTOTYPE (designated here): Sweden. “Östergötland, Wist, Sturefors 7/7 1887 *H. Dahlstedt*” (S).

Hieracium aethotrichum Dahlst. ex Johanss. (1914: p. 82)

LECTOTYPE (designated here): Sweden. “Suecia: Gotland in prato litorali ad Tjelders par. Boge, 25/7 1902, leg. *K. Johansson*” (Ex. H. Dahlstedt, *Herb. Hierac. Scand.* XXIII 50, in S).

The original material as well as later collections from *locus classicus* show considerable variation in many respects. The lectotype closely agrees with the original diagnoses and must have been considered representative by Dahlstedt, since it was chosen to represent the species in his exsiccata. Material later referred to this species by the author, as well as that distributed in *Hierac. Suec. Rar. Exsiccata* nr. 94, may, at least in part, belong to other taxa.

Hieracium albiduliforme (Johanss.) Johanss. & Sam. (1923–26 exs. 6)

— *H. albidulum* (Stenstr.) Johanss. & Sam. var. *albiduliforme* Johanss. (1920: p. 66). — LECTOTYPE (designated here): Sweden. “Östergötland. Kivlinge: Ågelsjö, in colle betulino, 21/6 1918. Leg. *K. Johansson*” (Ex. Johansson & Samuelsson, *Hier. Scand. Exsiccata* 6, in S).

Hieracium austriniforme Dahlst. ex Johanss. (1927: p. 56)

LECTOTYPE (designated here): Sweden. “Östergötland ad Slefringe paroeciae Ätvid in colle tiliis obsito loco fertilibus, 10/8 1889” (Ex. H. Dahlstedt, *Hierac. exsiccata* II 74, in S).

Hieracium bogense Johanss. (1897: p. 98)

LECTOTYPE (designated here): Sweden. “Suecia: Gotland: loco aprico aperto ad Klinte par. Boge, 23/6 1894, leg. *K. Johansson*” (Ex. H. Dahlstedt, *Herb. Hierac. Scand.* IX 57, in S).

Hieracium carnosiceps Johanss. (1914: p. 80)

LECTOTYPE (designated here). Sweden. “Gotland: par. Boge, in abiegno prope Norrgårda 4/7 1910; leg. ipse” (Ex. K. Johansson, *Hier. Suec. Rar. Exsiccata* 92, in S).

A. Sennikov (pers. comm.) has suggested that this species is conspecific with *H. ravidum*. However, the lectotype differs from *H. ravidum* by ovate, only very finely denticulate leaves, very abundant stellate tomentum along the margins of phyllaries and short acladium and branches in the false inflorescence, and I do not agree on merging these two species.

Hieracium daedalolepium (Dahlst.) Johanss. (1927: p. 63)

— *H. acroleucum* (Stenstr.) Dahlst. var. *daedalolepium* Dahlst. (1894: p. 71). — LECTOTYPE (designated here): Sweden. “Suecia: Gotland ad Kyrkljufves par. Vänge in prato inter frutices loco aperto duriusculo, 5/7 1890, leg. *K. Johansson*” (Ex. H. Dahlstedt, *Herb. Hierac. Scand.* II 65, in S).

The lectotype agrees closely with the diagnoses and belongs to a distinct species with restricted distribution. However, the material distributed by Dahlstedt in this exsiccata (cited above) is fairly variable and some apparent isolectotypes most probably belong to the widespread *H. diaphanum*.

Hieracium ebenarium (Johanss. ex Dahlst.) Dahlst. (1896, exs. X: 49)

— *H. subramosum* Lönnr. ssp. *ebenarium* Johanss. ex Dahlst. (1894: p. 112). — LECTOTYPE (designated here): Sweden. “Suecia: Gotland in pineto litorali loco sabuloso ad

Kapellshamn, 24/6 1890, leg. *K. Johansson*" (Ex *H. Dahlstedt*, *Herb. Hierac. Scand.* X 49a, in S).

Hieracium flagrifera Johanss.
(1914a: p. 74)

LECTOTYPE (designated here): Sweden. "Östergötland: par. Styrestad, Aborreberg [23/7 1905, corrected by hand to:] 28/6 1903, leg. *P.A. Issén*" (Ex. *Johansson*, *Hier. Suec. Rar. Exsiccata* 56, in S).

Hieracium fraudulentum (Dahlst.) Dahlst.
ex Johanss. (1927: p. 67)

— *H. caesium* (Fr.) Fr. ssp. *fraudulentum* Dahlst. (1894: p. 18). — LECTOTYPE (designated here): Sweden. "Ö. G. Ydre, Sund sn, Löfåsa d. 12/7 1883 *H. Dahlstedt*" (S).

The original material of this taxon is very variable and represents at least two species. In addition, later gatherings from the locality of the lectotype referred to the same species by Johansson (*in sched.*) differ rather markedly from both the diagnoses and the original material. I have here chosen as lectotype the element of the original material that agrees most closely with later gatherings from the type locality, however, since this species is known from a very limited material only it is difficult to judge which material is most typical for the species. Those elements of the original material that were collected in Norway belong to a different species, i.e. *H. coniops*.

Hieracium hemidiaphanum (Dahlst.)
Brenner (1895: p. 29)

— *H. anfractum* (Fr.) Fr. ssp. *hemidiaphanum* Dahlst. (1894a: p. 162). — LECTOTYPE (designated here): Sweden. "Östergötland in silvis umbrosis ad Grensholmen paroeciae Wånga, 9/7 1888" (Ex. *H. Dahlstedt*, *Hier. exsiccata* I 88, in S).

Hieracium inopifolium Johanss.
(1897: p. 99)

LECTOTYPE (designated here): Sweden. "Suecia. Gotland in aggere litorali loco aprico ad Bräntings par. Rute, 8/7 1893, Leg. *K. Johansson*" (Ex. *H. Dahlstedt*, *Herb. Hier. Scand.* IX 56, in S).

Hieracium isoptortum Johanss.
(1929: p. 333)

LECTOTYPE (designated here): Sweden. "Östergötland.

Mjölby: in pineto umbroso juxta oppidum 15/7 1927. Leg. *K. Johansson*" (Ex. *K. Johansson* & *G. Samuelsson*, *Hier. scand. exs.* 476, in S).

Hieracium macradenium (Dahlst.) Brenner
(1895: p. 25)

— *H. sparsidens* ssp. *macradenium* Dahlst. (1893: p. 141).
— *H. murorum* ssp. *macradenocephalum* Zahn (1921).
— LECTOTYPE (designated here): Sweden. "Östergötland ad Sturefors paroeciae Vist in nemorosis, 15/6 1889" (Ex. *H. Dahlstedt*, *Hierac. Exsiccata* II 34, in S).

Hieracium manotrichum Johanss. (1905:
p. 106)

LECTOTYPE (designated here): Sweden. "Suecia: Gotland in prato silvatico humidiusculo nec non in pineto adiacente ad Klintehamn, 13/6 1898, leg. *K. Johansson*" (Ex. *H. Dahlstedt*, *Herb. Hierac. Scand.* XII 42, in S).

Hieracium penduliforme (Dahlst.)
Johanss. (1897: p. 130)

— *H. [silvaticum]* ssp. *penduliforme* Dahlst. (1894: p. 248).
— LECTOTYPE (designated here): Sweden. "Suecia: Gotland in aggeribus littoralibus antiquis lapidosis in silva conifera loco ± aperto ad Vågome par. Lärbro, 18/6 1892, leg. *K. Johansson*" (Ex. *H. Dahlstedt*, *Herb. Hierac. Scand.* IV 18, in S).

Hieracium planifrons Johanss.
(1927: p. 37)

LECTOTYPE (designated here): Sweden. "*Hieracium sinuosifrons* Almqu. var. *planifrons*!; Gotl. Fleringe, söder om Ar träsk, i tallskog, 21/6 1890, leg. ipse" (Ex. herb. *K. Johansson*, in S).

Hieracium pinnatifidum* var. *vivarium
Lönnr. ex Dahlst. (1892, exs. II:87–88)

LECTOTYPE (designated here): Sweden. "Suecia: Gotland loco arido aprico as Vibble pr. Visby, 6/7 1890, leg. *K. Johansson*" (Ex. *H. Dahlstedt*, *Herb. Hierac. Scand.* II 87) (S).

This variety differs from *H. neopinnatifidum* s. stricto (= *H. pinnatifidum* (Lönnr. ex Dahlst.) Dahlst., non Willd.) in relative characters only and appears to be united with the type of the latter through numerous intermediates.

Hieracium plicatiforme (Dahlst.) Dahlst. ex
Johanss. & Sam. (1920: p. 47)

— *H. subramosum* Lönnr. var. *plicatiforme* Dahlst. (1894:

p. 104). — LECTOTYPE (designated here): Sweden. “Ö.G. Svanshals, St. Kullen, Rosendalsängen d 24/6 1884 *Hugo Dahlstedt*” (S).

***Hieracium plicatum* Lindeb. (1872, exs. 86)**

LECTOTYPE (designated here): Sweden. “Norveg. subalp. Land ad Sköjen et Torpen ad Hugeliängen *C. Elgenstierna*, ad Bränna ipse initio Aug.” (Ex. Lindeberg, *Hieracia exsiccata* 86, preserved separately in LD).

***Hieracium pristophyllum* Johanss.**

— in Johanss. & Sam. (1924: p. 149). — LECTOTYPE (designated here): Sweden. “Östergötland. Jonsberg: Jonsbergs säteri, inter frutices, 28/7 1922. Leg. *K. Johansson*” (Ex. K. Johansson & G. Samuelsson, *Hier. scand. exsiccata* 277, in S).

***Hieracium siltense* Johanss. (1927: p. 45)**

LECTOTYPE (designated here): Sweden. “Gotland: Silte: löväng vid Hallvards /6; 1925, *E. Th. Fries*” (S).

***Hieracium subnaevosum* (Johanss. ex Dahlst.) Johanss. (1897: p. 136)**

— *H. lepidotum* (Stenstr.) Dahlst. ssp. *subnaevosum* Johanss. ex Dahlst. (1894a: p. 124). — LECTOTYPE (designated here): Sweden. “Suecia: Gotland ad Ar träsk par. Fleringe in margine agri loco graminoso aprico solo subuloso lapidoso, 26/6 1890, leg. *K. Johansson*” (Ex. H. Dahlstedt, *Herb. Hierac. Scand.* II 49, in S).

***Hieracium tjelderense* Johanss. (1926: p. 337)**

LECTOTYPE (designated here): Sweden. “Gotland: Boge, Tjelders, sandig barrskog /7 1918 *E. Th. Fries*” (S).

***Hieracium tubaticeps* Johanss. (1920: p. 96)**

LECTOTYPE (designated here): Sweden. “Östergötland. Simonstorp. Holmdalen, in prato frondoso, 21/6 1918. Leg. *K. Johansson*” (Ex. K. Johansson & G. Samuelsson, *Hier. scand. exs.* 67, in S).

***Hieracium valentius* Johanss.**

— in Johanss. & Sam. (1920: p. 26). — LECTOTYPE (designated here): Sweden. “Östergötland. Simonstorp: Rödkärr, in colle betulino, 13/6 1918. Leg. *K. Johansson*” (Ex. K. Johansson & G. Samuelsson, *Hier. scand. exs.* 218, in S).

***Hieracium varianifolium* Johanss. (1897: p. 101).**

LECTOTYPE (designated here): Sweden. “Kathammarsvik, strandvallar med gles tallskog, 1/7 1895, leg. *K. Johansson*” (S).

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