



ENTOMOLOGICAL SOCIETY OF AMERICA

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Entomological Society of America Proposal Form for new Common Name or Change of ESA-Approved Common Name

Complete this form and e-mail to pubs@entsoc.org.

Submissions will not be considered unless this form is filled out completely.

April 23, 2015

Esteemed ESA Common Names Committee members,

As the co-Chairs for the Western Forest Insect Work Conference (WFIWC) Common Names Committee (CNC), we are pleased to present the following insect for your consideration. This proposal is part of a current effort to update the important publication [Western Forest Insects](#) and formalize common names used therein not yet recognized by ESA.

Our committee also works with the Entomological Society of Canada and so you will find entries in our form that are in addition to those you require (numbered entries accompanied by a letter are additional). All ESA questions are numbered and worded as found on your form.

If you have any questions or concerns about this or other submissions from our organization, we encourage you to contact us.

Sincerely,

/s/ Brytten Steed

Brytten Steed
WFIWC-CNC co-Chair
bsteed@fs.fed.us

/s/ William Ciesla

William Ciesla
WFIWC-CNC co-Chair
wciesla@aol.com

WFIWC Proposal Form for New Common Name or Change of ESA or ESC-Approved Common Name

The proposer is expected to be familiar with the rules, recommendations, and procedures outlined in the introduction to the current list of names and with the discussion by A.B. Gurney, 1953, *Journal of Economic Entomology* 46:207–211.

NOTE: SUBMISSIONS WILL NOT BE CONSIDERED UNLESS THIS FORM IS FILLED OUT COMPLETELY.

I ask that the WFIWC Standing Committee on Common Names of Insects facilitate the submission of the following common name or name change to ESA and ESC.

1. Proposed new common name (English): Nevada buck moth
- 1b. Proposed new common name in French (optional): (none)
2. Previously approved ESA common name (if any): (none)
- 2b. Previously approved English ESC common name (if any): (none)
- 2c. Previously approved French ESC common name (if any)-include direct translation to English: (none)
3. Scientific name (genus, species, author): *Hemileuca nevadensis* Stretch
Order: Lepidoptera
Family: Saturniidae
- 3b. List important previous scientific names (*esp. note if this scientific name is different from that noted in Western Forest Insects or in the literature cited*).
none

Supporting Information

4. Reasons supporting the need for the proposed new or changed common name:
Occasionally this insect can cause noticeable defoliation in poplar stands. The proposed common name is often used for this insect in various websites and some publications. It would facilitate communication with the public that may be affected or interested in this insect. This insect is included in the *Western Forest Insects* (Furniss and Carolin 1977) publication which is widely used by forest insect specialists throughout the western United States and Canada, and which is currently being rewritten and updated. An approved common name to include in the book would be desirable.

The name "Nevada buck moth" is proposed for several reasons: 1) it is a name that is currently in use (a variation of the name has been in use since 1906 – see #9 below); 2) although the range includes some central states, southern Canada and states in the inland west, the species name is nevadensis, presumably leading to the common (though not currently approved) name of Nevada buck moth.

3) the selection of "buck moth" suggests the relationship of this species to an eastern *Hemileuca* species that does currently have an ESA approved common name – *H. maia* (Drury), the buck moth.

5. Stage or characteristic to which the proposed common name refers:
adult

6. Distribution (*include author-year citations; full citation in #10b*):

Wisconsin west across southern Canada to central Oregon, south through central Nebraska to New Mexico, northern Arizona, northern Nevada and inland southern California. Butterflies and Moths of North America – www.butterfliesandmoths.org; riparian habitats east of the Cascade mountain (Miller and Hammond, 2000)

7. Principal hosts (*include author-year citations; full citation in #10b*):

Salix and Poplar

8. Cite references containing previous use of the proposed common name (*use author-year citations; full citation in #10b*):

Furniss and Carolin, 1977; numerous websites including: Biology browser, Discoverlife, iNaturalist, Wikipedia (Nevada Buck Moth), Pacific NW moths, North American Moth Photographers group, Bug Guide, Encyclopedia of Life, Prairie Haven, NatureServe Explorer and Utah State University.

9. Cite references using English common names (provide names) other than that proposed (*use author-year citations; full citation in #10b*):

Midwestern Fen Buckmoth – Wisconsin DNR website
Nevada Buck-moth – Holland, 1906

9b. References using common names in a non-English language (give the common name in the non-English language and give the direct translation to English, if possible) (*use author-year citations; full citation in #10b*):

none

10. Other insects or organisms to which the proposed common name might apply (give scientific name and include citations, if applicable): Other *Hemileuca*, as well as other genera of the silkmoths although none of those have the species name "nevadensis".

10 b. List references cited in questions 6-10:

Publications:

Furniss, R.L. and V.M. Carolin, 1977. Western forest insects. USDA Forest Service, Miscellaneous Publication 1339, 654 pp.

Holland, W.J. 1906. The Moth Book. New York:Dover Publications, 479 pp. (Reprinted 1968)

Miller, J.C. and P.C. Hammond. 2000. Macromoths of Northwest Forests and Woodlands. USDA Forest Serv. FHTET-98-18. 133p.

Websites:

Biology Browser – www.biologybrowser.org

BugGuide – bugguide.net

DiscoverLife – discoverlife.org

Encyclopedia of Life – eol.org

iNaturalist – www.inaturalist.org

Natural history society – nathistoc.bio.uci.edu

NatureServe Explorer – explorer.natureserve.org

North American Moth Photographers Group – mothphotographersgroup.msstate.edu

Pacific NW Moths -

Prairie Haven – www.prairiehaven.com

Utah State University – http://digitalcommons.usu.edu/aspen_bib

Wikipedia – en.wikipedia.org

Wisconsin DNR – <http://dnr.wi.gov>

11. Steps you have taken to consult with other workers who are familiar with the insect or organism as to suitability of and need for the proposed common name:

Several foresters and forest entomologists in the U.S., as well as the WFIWC-CNC, were contacted and asked to provide review comments to this proposal. The full proposal has been announced and available to the WFIWC membership for a 30-day review period. The following individuals responded with comments during the review process:

Lee Humble
Brytten Steed
Bill Ciesla
Lee Pedersen

11b. What type of literature searches/checks did you conduct (e.g. CABI, ESA and ESC web pages, USDA FS library, formal library search engine-list, etc.)

- Search on ESA Common Names site (http://www.entsoc.org/Pubs/Common_Names/index.htm) to determine if this species had a common name, if the common name belonged to another species – negative in both accounts
- Review of the ESC Common Names publication (pdf at http://www.esc-sec.org/common_names_2006.pdf) to determine if this species had a common name in either English or French, or if the English common name proposed belonged to another species – negative in all accounts
- Search in CABI (Commonwealth Agricultural Bureau International) and CPC (Crop Protection Compendium) data bases (includes CAB, Tree CD, and Forest Science Abstracts)
- EPPO (European Plant Protection Organization) database (<http://www.eppo.org/> quick pick/alert list or search options)
- Review of Russian common names translated into English (Yusha et al. 1985) (found at http://www.fs.fed.us/pnw/pubs/pnw_gtr183.pdf)
 - o Yusha, Alex; Martignoni, Mauro; Iwai, Paul J. 1985. An English translation of Russian Common Names of Agricultural and Forest Insects and Mites. General Technical Report PNW-183. Portland, OR: USDA Forest Service, Pacific Northwest Forest and Range Experiment Station (http://www.fs.fed.us/pnw/pubs/pnw_gtr183.pdf)

Nevada buck moth
1009-03-15

Hemileuca nevadensis

04/23/2015

- Search of British Museum of Natural History website (<http://www.nhm.ac.uk/nature-online/biodiversity/nature-navigator/>)
- AGRICOLA (<http://agricola.nal.usda.gov/> , <http://agricola.cos.com/> and other sites), Biological Abstracts, BIOSIS, and other searchable scientific databases.
- Search of www using the Google search engine
- Search of personal literature files
- See list of citations in #10

12. Proposed by: Western Forest Insect Work Conference group (WFIWC), Common Names Committee co-Chairs – Brytten Steed and William Ciesla

Proposal prepared and submitted to the WFIWC CNC by XXX

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