

***Eucera (Synhalonia) douglasiana* (Cockerell, 1906)**
(Apidae: Apinae: Eucerini)

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SUMMARY

Eucera (Synhalonia) douglasiana is known from only one specimen and little is known of its biology or habitat needs. Tepedino and Griswold (1995) state that a “monitoring program is desperately needed” and rate this bee as a very high research priority.

CONSERVATION STATUS

Xerces Red List Status: Vulnerable (Data Deficient)

Other Rankings:

Canada – Species at Risk Act:	N/A
Canada – provincial status:	N/A
Mexico:	N/A
USA – Endangered Species Act:	N/A
USA – state status:	N/A
NatureServe:	N/A
IUCN Red List:	N/A

SPECIES PROFILE

DESCRIPTION

TAXONOMIC STATUS

Initially assigned to the genus *Tetralonia*, it was subsequently reclassified as *Synhalonia* (Hurd 1979), which is now a subgenus of *Eucera* (Michener 2000).

LIFE HISTORY

The flight period of *Eucera (Synhalonia) douglasiana* is June to July (Tepedino and Griswold, 1995). *Eucera douglasiana* nests in the ground. (Eucerine nests are usually excavated in flat ground, with a series of lateral tunnels radiating from a vertical burrow.) Its flower preferences are unknown.

DISTRIBUTION

Only one specimen of *Eucera (Synhalonia) douglasiana* has ever been collected, at Steamboat Rock, Grand Coulee (Grant County, WA).

THREATS

Currently unknown.

CONSERVATION STATUS

The species existed in 1902 but nothing is known of it after that.

CONSERVATION NEEDS

Ensure that suitable (unknown) flowering plants persist and that appropriate nesting substrate remains.

RESEARCH NEEDS

Surveys should be conducted to establish if *Eucera (Synhalonia) douglasiana* still exists. Tepedino and Griswold (1995) state that a “monitoring program is desperately needed” and rate this bee as a very high research priority. If populations are discovered, further studies of foraging preferences and nesting habits would be valuable.

RESOURCES

CONTACTS

REFERENCES

Hurd Jr., P. D. 1979. Superfamily Apoidea, pp. 1741-2209 in K. V. Krombein, P. D. Hurd, Jr., D. R. Smith, and B. D. Burks, eds., *Catalog of Hymenoptera in America north of Mexico*, Vol. 2. Washington, DC: Smithsonian Institution Press.

Michener, C.D. 2000. *The Bees of the World*. Baltimore, MD: Johns Hopkins University Press.

Tepedino, V.J., and T.L. Griswold. 1995. The bees of the Columbia Basin. Final report, USDA Forest Service, Portland, OR. 212 pp (Technical Report)

WEBSITES

Nomina Insecta Nearctica

<http://www.nearctica.com/nomina/wasps/waspa-b.htm#anchor124149>

(Listed as *Synhalonia douglasiana* Cockerell 1906 (*Tetralonia*); accessed November 15th, 2004.)

California Academy of Sciences: Andrenidae Primary Types in CAS Collection

<http://www.calacademy.org/research/entomology/types/insecta/hymenop/apidae.htm>

(Accessed 2/15/05)