

***Perdita wyomingensis sculleni* (Cockerell, 1922)**
(Andrenidae: Panurginae: Perditini)

Profile Prepared by Matthew Shepherd, The Xerces Society for Invertebrate Conservation

SUMMARY

Perdita wyomingensis sculleni is endemic to the Columbia Basin but fairly widespread and relatively common within the Basin. The flight period of *Perdita wyomingensis sculleni* is June to July. It has been recorded in three habitat types within the Columbia Basin, Agricultural, Interior ponderosa pine, and Ponderosa pine-grassland.

CONSERVATION STATUS

Xerces Red List Status: Vulnerable

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

Perdita (Perdita) wyomingensis sculleni Cockerell, 1922.

LIFE HISTORY

The flight period of *Perdita wyomingensis sculleni* is June to July (Tepedino and Griswold, 1995). Like all members of the tribe Perditini, *P. wyomingensis sculleni* nests in the ground. (*Perdita* nest differ from the majority of andrenid nests in that the cells are unlined or only partially lined.) Nearly all species of the tribe Perditini are specialist foragers. It is not known which plants *P. wyomingensis sculleni* forages at, but it may be mariposa lily (genus *Calochortus*).

It has been recorded in three habitat types within the Columbia Basin, Agricultural, Interior ponderosa pine, and Ponderosa pine-grassland.

DISTRIBUTION

Perdita wyomingensis sculleni is endemic to the Columbia Basin but fairly widespread and relatively common within the Basin.

THREATS

Currently unknown.

CONSERVATION STATUS

A rare endemic species with a restricted distribution and uncertain population status.

CONSERVATION NEEDS

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

RESEARCH NEEDS

Little is known of the biology of this species. Studies of both the nesting and foraging habits would be valuable.

RESOURCES

CONTACTS

REFERENCES

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

California Academy of Sciences; Andrenidae Primary Types in CAS Collection
<http://www.calacademy.org/research/entomology/types/insecta/hymenop/andren2.htm>
(Accessed November 17th, 2004.)

Nomina Insecta Nearctica
<http://www.nearctica.com/nomina/wasps/andrena.htm#anchor22666>
(Accessed November 17th, 2004.)