

***Osmia ashmeadii* (Titus, 1904)**
(Megachilidae: Megachilinae: Osiini)

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SUMMARY

Osmia ashmeadii is a rare endemic that has been recorded from only one location, and can be assumed to be at risk. Surveys of the area around The Dalles, OR, should be undertaken to confirm the survival and distribution of this species.

CONSERVATION STATUS

Xerces Red List Status: Critically Imperiled

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

Osmia (Acanthosmioides) ashmeadii (Titus, 1904).

LIFE HISTORY

The flight season of *Osmia ashmeadii* is unknown, as is its preferred nesting substrate. Nesting habits of members of the subgenus *Acanthosmioides* are variable; some nest in shallow burrows in the soil, others excavate tunnels in pithy stems, or build cells on surfaces of rocks (Michener, 2000). Most other members of the subgenus *Acanthosmioides* visit flowers of the family Fabaceae and it can be assumed that these are the preferred host plants of *O. ashmeadii*.

It has been recorded within the Columbia Basin in Ponderosa pine – shrubland habitat.

DISTRIBUTION

Osmia ashmeadii has only been recorded from The Dalles, OR.

THREATS

Too little is known of this bee to be able to assess threats.

CONSERVATION STATUS

Osmia ashmeadii is a rare endemic that has been recorded from only one location, and can be assumed to be at risk.

CONSERVATION NEEDS

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

RESEARCH NEEDS

Surveys of the area around The Dalles should be undertaken to confirm the survival and distribution of this species. Little is known of the biology of this species. If populations are discovered, studies of the phenology, nesting requirements, 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

Nomina Insecta Nearctica

<http://www.nearctica.com/nomina/wasps/waspl-m.htm>

(Accessed 2/15/05)