

Hesperapis kayella
(Melittidae: Dasypodainae: Dasypodaini)

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SUMMARY

Hesperapis kayella is endemic to the Columbia Basin and known from only four locations in Idaho and Nevada. It is a specialist forager on plants in the genus *Tiquilia* (crinklemat).

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

Hesperapis kayella.

LIFE HISTORY

The flight season of *Hesperapis kayella* is in June. It appears to be a specialist forager on plants in the genus *Tiquilia* (crinklemat). Little is known about its nesting habits. It nests in the ground, preferring sandy, river-bottom soils.

It has been recorded within the Columbia Basin in Agricultural habitat.

DISTRIBUTION

Hesperapis kayella has only been recorded from a single locality in Owyhee County, ID, and three sites in Washoe County, NV.

THREATS

Little is known of this bee, making it hard to assess threats.

CONSERVATION STATUS

As a rare endemic species known from only four localities in disturbed habitat, the future of *Hesperapis kayella* is at risk.

CONSERVATION NEEDS

Ensure that flowering plants of the genus *Tiquilia* persist and that suitable sandy 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. Searches of its known sites and sand dunes and other sandy habitats in surrounding areas should be done to confirm the distribution.

RESOURCES

CONTACTS

REFERENCES

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

This bee has no web presence.