

Listed Threatened

Western Glacier Stonefly (*Zapada glacier*)

Who: Insect, Stonefly (Plecoptera), Spring Stoneflies (Nemouridae)

ESA action: Petitioned for ESA listing in 2010

Received a substantial 90-day find in 2011

Received a substantial 12 month finding in 2016

Listed Threatened in 2019

Where: Alpine streams of Glacier National Park and the Teton Range

What is WYNDD doing: Annual surveys since 2015, increased the number of sites known (Thanks to UW-NPS!)

Coming up: Forest Service funded surveys for *Zapada glacier* in other mountains of Wyoming



Warranted but precluded

Monarch (*Danaus plexippus*)

Who: Insect, Butterfly (Lepidoptera), Fritillary (Nymphalidae)

ESA action: Petitioned for ESA listing in 2013

Received a substantial 90-day find in 2015

Warranted but precluded decision in December 2021

Annual review, planned ESA listing in 2024

Where: Most of continental United States, migrates from southern Mexico to southern Canada and back annually

What is WYNDD doing: Observed 26 Monarchs in eastern Wyoming during 2019 (Thanks to Wyoming Governor's Office!)

Coming up: 2021 surveys in eastern Wyoming



Petitioned for listing

Narrow-foot Hygrotus Diving Beetle (*Hygrotus diversipes*)

Who: Insect, Beetle (Coleoptera), Predacious diving beetle (Dytiscidae)

ESA action: Category 2 Candidate Species from 1989 to 1996

Petitioned for ESA listing in 2007, 2008 and 2013

Received a substantial 90-day find in 2016

Listing decision in 2023

Where: Found only in intermittent streams of east central Wyoming

What is WYNDD doing: Annual surveys of known sites since 2010 and 2 statewide surveys (Thanks to BLM & Wyoming Governor's Office!)

Coming up: State-wide survey and intensive work at known sites



Suckley Cuckoo Bumble Bee (*Bombus suckleyi*)

Who: Insect, Bee (Hymenoptera), bumble bee (Apidae)

ESA action: Petitioned for ESA listing in 2020

Where: Western United States, throughout Wyoming

What is WYNDD doing: Statewide survey for Wyoming (Thanks to BLM!)

Coming up: Searching for funding to continue bumble bee surveys



Invertebrates with Endangered Species Act status in Wyoming

Western Bumble Bee (*Bombus occidentalis*)

Who: Insect, Bee (Hymenoptera), bumble bee (Apidae)

ESA action: Petitioned for ESA listing in 2015

Received a substantial 90-day find in 2016

Listing decision in 2023

Where: Western United States, throughout Wyoming

What is WYNDD doing: Statewide survey and predictive distribution model for Wyoming, resampled historic sites (Thanks to BLM!)

Coming up: Searching for funding to continue bumble bee surveys



Western Bumble Bee

American Bumble Bee (*Bombus pensylvanicus*)

Who: Insect, Bee (Hymenoptera), bumble bee (Apidae)

ESA action: Petitioned for ESA listing in 2021

Where: Eastern United States, eastern Wyoming

What is WYNDD doing: Statewide survey in Wyoming (Thanks to BLM!)

Coming up: Searching for funding to continue bumble bee surveys



American Bumble Bee

Regal Fritillary (*Speyeria idalia*)

Who: Insect, Butterfly (Lepidoptera), Fritillary (Nymphalidae)

ESA action: Petitioned for ESA listing in 2013

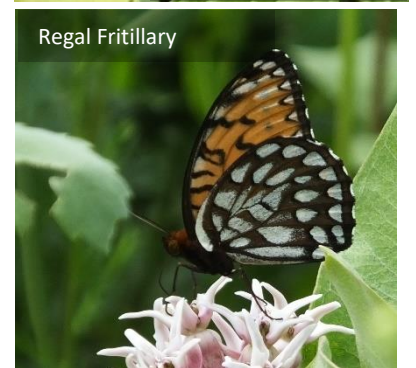
Received a substantial 90-day find in 2015

Listing decision in 2022

Where: From eastern Wyoming to East Coast, disappeared from eastern portion of range

What is WYNDD doing: Surveys in summer 2019, 7 individuals observed from 6 sites (Thanks to Wyoming Governor's Office!)

Coming up: 2021 Surveys in eastern Wyoming



Regal Fritillary

Great Basin Silverspot (*Speyeria nokomis nokomis*)

Who: Insect, Butterfly (Lepidoptera), Fritillary (Nymphalidae)

ESA action: Petitioned for ESA listing in 2013

Received a substantial 90-day find in 2016

Where: Southwestern United States (no records in Wyoming, but observations along boarder in Colorado and Utah)

What is WYNDD doing: Surveys in 2020

Coming up: Searching for funding to continue surveys



Great Basin Silverspot

From: www.fws.gov

Questions about invertebrates in Wyoming?

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