

**ISSSP - Mardon Skipper Survey Final Report for the
Lakeview District, Klamath Falls Resource Area.**

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The project area primarily included the west side of the Klamath Falls Resource Area that has the habitat components that may support the Mardon Skipper butterfly. Butterflies were collected on other portions of the resource area although no formal surveys were completed.

The project consisted of the initial phase of identifying potential habitat using GIS analysis (satellite imagery as well as Forest Operation Inventory data), 1:24000 USGS maps and aerial photography to identify meadow habitat and openings that may support Mardon Skipper Habitat. A field trip to the Cascade-Siskiyou National Monument on the Ashland RA of the Medford District was conducted to familiarize the crew and biologists with known occupied habitat. After determining potential habitat areas with the GIS analysis field crews went to the potential habitat and photographed and conducted field reviews to assist in ranking the meadows. The meadows were ranked using field notes and photographs as High, Medium and Low. The field review and the determination of potential habitat followed prior to actual surveys being implemented.

Surveys were conducted on High and Medium priority ranked meadows by an experienced biologist and a seasonal field crew. Two visits on each meadow occurred. Surveys were conducted using a standard protocol (Habitat Description and Survey Method Guidelines for Mardon Skipper; by Potter) to identify potential habitat and to account for the seasonal lifecycle to make sure adults would be readily available for identification.

Table 1 Areas Surveyed for Mardon Skipper

<u>Name</u>	<u>Location</u>	<u>Acres (approx.)</u>
Johnson Prairie	T39S R5E Sec 21	10
Exclosure Meadow	T41S R6E Sec 05	10
No Cliff	T41S R6E Sec 03	18
Crazy Eight	T41S R6E Sec 03	10
Robsbirthday	T41S R6E Sec 03	20
County Road	T41S R6E Sec 13	10
Campground	T40S R6E Sec 26	5
Wet Foot	T40S R6E Sec 26	2
Topsy	T41S R6E Sec 09	7
Long Prairie	T41S R5E Sec 05	25
Edge Creek North	T41S R5E Sec 03	10
Edge Creek South	T41S R5E Sec 15	10
Squirrel Body	T41S R5E Sec 01	30
Hayden Mouse	T41S R5E Sec 01	20

Skippers as well as other butterflies and moths were collected and identified. A collection for the Resource Area was completed. The skippers were digitally photographed (both dorsal and ventral) and the photos sent to Vince L. Harke from the U.S. Fish & Wildlife Service out of Lacey, WA for identification. Six species of Skippers were identified but the Target species, the Mardon Skipper, was not located. Survey areas and data were

entered into the geospatial database, Geobob. All field forms are retained in the KFRA office.

Surveys occurred in the summer of 2005 and this document will serve as the final report for the money accountability and survey effort. Maps and photos of the skippers collected and maps of the areas surveyed are attached or included in this report. The money received (\$10,000) was primarily used to fund seasonal employees and purchase nets and collection equipment. The local biologist and GIS coordinator conducted the initial analysis and the seasonal employees (2) completed the field habitat review, specimen collection, data completion and data entry into Geobob.

Butterfly and Moth displays created from this year's collection.

