

## High Country Lepidopterists meeting – 2017 Addendum to program

**Group Photo – 12:45-12:55, Plant Sciences Building, north stairway**

**Presentation: 2:09 – 2:24, Scott Ellis, Are the Poudre River populations of the Eyed Brown *Satyroides eurydice fumosus* extinct?**

**Abstract:** Two separate populations of *Satyroides eurydice fumosus* located adjacent to the Poudre River in Fort Collins (McMurry Ponds) and Laporte (Lions Park) were discovered by Scott Ellis and Paul Opler in 1985. The habitats for both populations consist of agricultural return flow drainageways that were established in the late 1800s. The habitat for each population is estimated to be less than 5 acres, and consists of an overstory of cottonwoods and willows, and an understory of exotic pasture grasses and native sedges. These small linear wetlands receive perennial surface flow. The remainder of Poudre River floodplain has been highly modified by agricultural diversions, conversion of wetlands to pastureland, and gravel mining.

James Scott and Scott Ellis separately conducted oviposition studies for this species in 1985 at the Laporte site. Both studies found that females oviposited on sedges (*Carex*) as well as on exotic pasture grasses that were sometimes close as well as distant from sedges. James Scott transferred females to a wetland site in Denver in 1988, and this introduced population persisted there for at least 3 years. James Scott's observations are summarized in *Papilio* #6 (1992).

Scott Ellis conducted pedestrian surveys during the adult flight period at both sites for 3 years (2015-2017). No *Satyroides eurydice fumosus* individuals were seen on any survey. The Lion's Park wetland habitat was destroyed by expansion of the Cache La Poudre Middle School in the early 1990s. The wetlands were filled, and the surface drainage pattern modified permanently. The McMurry Ponds habitat has not been modified in the intervening time period. The City of Fort Collins Natural Areas Program acquired additional riparian habitat connected to the McMurry Ponds, which will continue to be monitored.

**Abstract:** The title of Hanna Royals' presentation was incorrectly listed in the abstracts. The correct title is "**A *Paralobesia* puzzle (Lepidoptera: Tortricidae).**" The abstract as given is correct.

**Breaks:** There will be **no 2:09 break!** The only break will be at 3:29 when cookies and cold drinks will be available.