

Taylor's Checkerspot Butterfly Action Plan - Updated 10 Nov 2011

| Strategic Action | Task | Location | South Sound | Clallam County | Oregon | Implementing Party | Funding | Years funded | |
|--|---|--|-------------|----------------|--------|------------------------------|---|-------------------|---------|
| Protect Occupied Sites | 1.1 Minimize Direct Impacts to Occupied Sites | | 1 | 1 | | | | | |
| | 1.1.1 Redirect ATV use | Dan Kelly, Eden Valley, Bald Hill | | 1 | | DNR, WDFW | | | |
| | 1.1.2 Minimize incompatible recreation | 12/10/2013 | | | | WDFW | | | |
| | 1.1.3 Minimize training impacts and provide fire protection at JBLM | R74/76, R51 | 1 | | ##### | DOD, FWS, WDFW, CNLM | | | |
| | 1.2 Pursue conservation easement, acquisition, management plan | | | | 1 | | | | |
| | 1.2.1 Finalize voluntary management plans on private land under the guidance of the WDFW & DNR Forest Practices Board. | Bald Hill Private Land / Clallam Co. Balds | | | | WDFW, WDNR, FWS, CNLM, Weyco | | | |
| | 1.2.2 Pursue acquisition or conservation easement with willing sellers | Bald Hill Private Land | | | 3 | | Weyco | | |
| | | Clallam County Balds | | | 3 | | WDNR, WDFW | | |
| | | Denman Island | | | | | BC Ministry of Env | | |
| | | Fitton Green | | | | 3 | Benton County | | |
| 1.2.3 Work with BPA to develop and implement management agreement | Fitton Green | | | | 2 | | | | |
| | Scatter Creek | | | | | WDFW | | | |
| Improve / Enhance / Expand Habitat | 2.1 Coordinate with US Forest Service. Reduce threats and collaborate on enhancing all sites. | Olympic Nat'l Forest | | | | USFS, FWS, WDFW | | | |
| | 2.2 Control/remove invasive and encroaching species, e.g. Scot's broom, tall oatgrass, sulfur cinquefoil, Doug-fir. -- first priority at occupied sites, then proximate habitat, followed by unoccupied/future reintroduction sites | Bald Hill | | | 2 | | WDNR | ACUB + FWS + WHIP | 2007-11 |
| | | Scatter Creek | | 2 | | | WDFW | ACUB | 2007-11 |
| | | AIA + 13th Division Prairie | | 2 | | | JBLM | JBLM | 2001-11 |
| | | Benton County | | | | 1 | Benton County | | |
| | | Clallam County | | | 2 | | WDFW, WDNR | ACUB + FWS | 200?-11 |
| | | Oly Nat'l Forest | | | 2 | | | | |
| | | Denman Island | | | | | | | |
| | 2.3 Enhance larval food and nectar plants, when needed -- first priority at occupied sites, then proximate habitat, followed by unoccupied/future reintroduction sites | Reintroduction sites - 7s, Glacial, TQ | | | | | CNLM, WDFW, WDNR, JBLM | ACUB, JBLM | 2007-11 |
| | | Bald Hill | | | 2 | | WDNR | ACUB | 2007-11 |
| | | Scatter Creek | | 2 | | | WDFW | ACUB | 2007-11 |
| | | AIA + 13th Division Prairie | | 2 | | | JBLM | JBLM | 2001-11 |
| | | Benton County | | | | 1 | Benton County | | |
| | | Clallam County | | | | | WDFW, USFS | | |
| | Denman Island | | | | | BC Ministry of Env | | | |
| | 2.4 Improve larval and nectar plant materials production, particularly CAHI | Range-wide | | 3 | | | CNLM, WDFW, FWS, IAE, Heritage Seedlings, Benton County | ACUB + WWRP + FWS | 2007-11 |
| | 2.5 Ensure release sites are in suitable condition | South Sound | | | | | | ACUB | 2007-11 |
| | 2.6 Link restoration efforts to other species at risk | | | | | | | | |
| | 2.7 Improve connectivity between sites | All non-prairie sites | | | | | | | |
| 2.8 Develop management / restoration plans at occupied and unoccupied sites. | Bald Hill | | | | | WDNR, USFS, WDFW, Weyco | ACUB at NAP | 2007-8 | |
| | Scatter Creek | | | | | WDFW | ACUB | 2007-8 | |
| | JBLM - prairie specific plan | | 6 | | | JBLM | | | |
| | Oly Nat'l Forest | | | | | | | | |
| | Clallam County | | | 4 | | WDNR, USFS, WDFW | | | |
| Denman Island | | | | | | | | | |

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|---|---|--|-------------|----------------|---|---|-------------------|--------------|---------|
| Increase Population Sizes and Number of Populations | 3.1 Optimize and refine captive rearing and reintroduction (including monitoring source and release sites) | | 4 | | | WDFW, Oregon Zoo | ACUB | 2007-11 | |
| | 3.2 Develop new or additional facilities for captive rearing - DONE for South Sound. | | | | | USFS, FWS, Xerces, IAE, WDFW, Benton County, Oregon Zoo, TESC, CNLM, Sustainable Prisons Project, DOC | ACUB | 2011 | |
| | 3.3 Identify potential future release sites -- is the habitat suitable for future dispersal from existing populations or translocation of larvae | All occupied, historic and potential sites | | 6 | 4 | WDFW, DOD, FWS, CNLM | ACUB | 2007-11 | |
| | 3.4 Address potential to augment existing populations -- what are drawbacks? | | | | | working group | | | |
| Survey / Monitor | 4.1 Survey suitable habitat at historic locations. eg. Oregon, western AIA, Victoria Island, North Olympic Peninsula | All Occupied and historic Sites | | 5 | 4 | WDFW, USFS, WDNR, JBLM, USFS | | | |
| | 4.2 Survey sites adjacent to and neighboring occupied sites (attempt to locate additional Eet populations) | Benton County | | | 4 | | | | |
| | | Olympia Peninsula | | 5 | | | | | |
| | 4.3 Annually monitor all known populations (May be higher priority than was captured in ranking discussion, due to lack of time). | Bald Hill | | | | | WDFW, WDNR | ACUB | 2007-10 |
| | | Scatter Creek | | | | | WDFW | ACUB | |
| | | AIA & 13th Div | | | | | JBLM, WDFW | JBLM | 2001-11 |
| | | Benton County | | | | 5 | | | |
| Clallam County | | | | | | WDFW, USFS | WDFW + FWS + USFS | | |
| Denman Island | | | | | BC Ministry of Env, Raincoast Applied Ecology | | | | |
| Research | 5.1 Define habitat restoration targets through research | | 5 | | | | | | |
| | 5.1.1 Define butterfly habitat selection through research, i.e. oviposition & adult habitat, nectar and larval food plant density, phenology, and spatial arrangement | Ovipos. complete in Clallam Co., AIA, OR | | | | Pvt Researcher | ACUB, JBLM, ? | 2010 | |
| | 5.1.2 Determine the characteristics of occupied habitat, with respect to nectar plants, host plants, and vegetation structure | | | | | | | | |
| | 5.1.3 Identify pre and post diapause food plants | Olympic Peninsula | | | | | | | |
| | 5.1.4 Are there additional native plants recognized by taylori for oviposition (e.g. CALE)? Does taylori exhibit oviposition preference for some species? | | | 7 | | | | | |
| | 5.2 Conduct genetic and meta-population studies to determine population isolation/diversity | Range-wide | | | | | | | |
| | 5.2.1 Determine the appropriate taxonomy for populations identified as E. e. taylori using genetic analyses (in progress) | | | | | | | | |
| | 5.2.2 Determine the degree of genetic structuring within and between populations of E. e. taylori (in progress) | | | | | | | | |
| | 5.3 Collect information on plantago pathogen in order to identify and calculate the level of risk to Eet. | | | | | | | | |
| | 5.4 Evaluate effects of habitat management on Eet populations How does mgmt change in structure influence Eet. | | | | | | | | |
| Outreach | 7.2 Share information between entities, establish partnerships, and maintain a working group | | | | 6 | CNLM, WDFW, FWS | Legacy + FWS | 2009-2011 | |