

Taylor's Checkerspot Draft Action Plan 2012

Task	Location	South Sound	Clallam County	Oregon	Implementing Party	Funding	Years funded
1.1 Minimize Direct Impacts to Occupied Sites		1	1				
1.1.1 Redirect ATV use	Dan Kelly, Eden Valley, <i>Bald Hill</i>		1		DNR, WDFW		
1.1.2 Minimize incompatible recreation	Scatter Creek				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		
1.2.4 Work with private landowners to develop and implement habitat management plans	Range-wide				NRCS, Private landowners		
2.1 Coordinate with US Forest Service. Reduce threats and collaborate on enhancing all sites.	<i>Olympic Nat'l Forest</i>				USFS, FWS, WDFW		
2.2 Assess and Control/remove invasive species, e.g. Scot's broom, tall oatgrass, sulfur cinquefoil. -- 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	2007-11
	Oly Nat'l Forest		2				
2.3 Assess enhance larval food and nectar plants -- first priority at occupied sites, then proximate habitat, followed by unoccupied/future reintroduction sites	Denman Island						
	Reintroduction sites - 7s, Clallam TO				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, <i>particularly CAHI</i>	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							
3.1 Optimize and refine captive rearing and reintroduction (including monitoring source and release sites)		4			WDFW, Oregon Zoo	ACUB	2007-11

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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		
4.1 Survey suitable habitat at historic locations. eg. Oregon, western AIA, Vancouver 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		
4.4 Annually monitor habitat conditions at occupied sites	Bald Hill				WDFW, WDNR	ACUB	2007-10
	Scatter Creek				WDFW	ACUB	
	AIA & 13th Div				JBLM, WDFW	JBLM	2001-11
	Benton County						
	Clallam County				WDFW, USFS	WDFW + FWS + USFS	
	Denman Island				BC Ministry of Env, Raincoast Applied Ecology		
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					Pvt Researcher		
5.1.3 Identify pre and post diapause food plants (ongoing)	Olympic Peninsula						
5.1.4 Are there additional native plants recognized by <i>taylori</i> for oviposition (e.g. <i>CALE</i>)? Does <i>taylori</i> exhibit oviposition preference for some species?		7					
5.1.5 How do <i>taylori</i> use and perform on potential hosts (e.g. <i>rhinanthus</i> , <i>valerionella</i>) in the field?							
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 <i>E. e. taylori</i> using genetic analyses (in progress)							
5.2.2 Determine the degree of genetic structuring within and between populations of <i>E. e. taylori</i> (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.							
6.1 Share information between entities, establish partnerships, and maintain a working group				6	CNLM, WDFW, FWS	Legacy + FWS	2009-2011
6.2 Share information about listing to potentially affected landowners							