

Streaked Horned Lark DRAFT Action Plan for Washington, Oregon, and BC - - 14 November 2012

Strategic Action	Tasks Synopsis	State, Province	Priority	Implementing Party
Determine population status, current distribution and limiting factors	1.1 Finalize standardized survey and monitoring protocols range-wide that address abundance, trends, and spatial distribution.	OR, WA	7	Working Group
	1.2 Conduct annual monitoring at occupied breeding sites	OR, WA		WDFW, OSU, CNLM, JBLM, PDX, ODFW
	1.3 Survey new and historic sites. Potential examples: Rogue River valley, Roger's Washington townships, OR Coast, Cowlitz River, Port of Longview industrial area & coast, Regional airports	OR, WA	*	Portland Audubon, WDFW, CNLM, Metro, Port of Portland, ODFW
	1.4 Identify important habitat features			
	1.4.1 Determine the effect of habitat parameters on nest success, especially on private working lands, synthesize with WA data.	OR	6	OSU
	1.5 Identify threats to population viability			
	1.5.1 Determine role of climate change to streaked horned lark conservation decision making, e.g. northward expansion of prairie habitat	OR, WA		WDFW, OSU, USFWS, CNLM
	1.5.2 Examine genetic variability and population structuring - ask Scott?	OR, WA		WDFW, Academia
	1.5.3 Evaluate the role of disturbances (e.g., recreation, military activities, industrial uses, agriculture) including interaction with predation, that affect survival in all life stages (i.e. nests, juveniles, adults).	OR, WA	13	WDFW, OSU
	1.5.4 Determine factors limiting juvenile and adult survivorship in OR & WA (e.g. predation, airstrike). Does adult and juvenile survivorship limit population growth in OR (answered in WA)?	OR, WA	3	OSU
1.5.5 Determine factors limiting reproductive success in private working lands of the Willamette Valley	OR			
Protect Existing Populations and Habitat	2.1 Secure protection commitment on core occupied sites, e.g. management plans, CCA(A)	OR, WA	1	
	2.1.1 Range-wide Airports - Corvallis, PDX, South Sound	OR		IAE, OSU, City of Corvallis, FWS, CNLM
	2.1.3 Columbia River Islands - management plan with Army Corps, CCP at JBH complete	OR, WA		CNLM, USACE, FWS
	2.1.4 Willamette Valley NWRs - CCP complete, mgmt plan in process	OR		USFWS NWR
	2.1.5 Joint Base Lewis-McChord - ESMP	WA		JBLM, FWS
	2.1.6 Washington Coast - signed CCP at Willapa that includes larks, WA State Parks (Twin Harbors, Grayland Beach), Damon Point (DNR/WDFW)	WA		FWS, WDFW, WSPRC, WDNR
	2.1.7 Rivergate	OR		Port of Portland
	2.1 Define and identify core sites for recovery	OR, WA		Working Group
	2.2 Develop land protection prioritization scheme - in process in WA & for Ag land in OR	OR, WA		ODFW, FWS, WDFW, CNLM
	2.3 Support land protection plans inclusive of measures to benefit streaked horned larks when opportunity available (e.g. Great American Outdoors Initiative, Willamette Wildlife Mitigation Program, SWAPs)	OR		FWS, ODFW, WDFW, CNLM
	2.4 Identify mechanisms to establish long-term management funding for important sites (e.g. endowments)	OR		
	2.5 Address identified threats range-wide: Initiate protection measures, reduce predator impacts, redirect recreation, airport disturbance	OR, WA		OSU, WDFW, FWS Refuges, CNLM, JBLM
	2.5.1 Redirect incompatible land uses, e.g. McChord rodeo, dog trials, model airplane use, ATVs, dredged material placement, airport management practices at CVO	OR, WA		OSU, WDFW, FWS Refuges, CNLM, JBLM
	2.5.2 Evaluate the use of modified nest enclosures range-wide	OR		CNLM, JBLM, WDFW, ODFW, OSU

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Enhance viability of extant populations and habitats	3.1 Enhance existing habitat and increase amount of available habitat in the Willamette Valley	OR		
	3.1.1 Update and implement management prescriptions to create breeding habitat and develop winter habitat prescription in agricultural matrix	OR		OSU, USFWS, NWR, NRCS
	3.1.2 Implement habitat restoration activities on breeding and wintering grounds (e.g. Corvallis Airport, Basket Slough, Finley)	OR	2	NRCS, Private, Refuges, USFWS
	3.1.4 Implement habitat restoration on private lands through existing incentive programs such as CRP and WRP and GRP	OR		NRCS, CNLM
	3.2 Develop strategy for compatible airport and lark use, develop management guidelines specific to airports.	OR, WA		CNLM, Ports, FAA, WDFW, ODFW, OSU
	3.2.1 Attract birds to areas outside the airport runways through habitat management	OR, WA		OSU, WDFW, JBML, CNLM
	3.3 Columbia River and Coast habitat restoration			
	3.3.1 As part of a long term plan, systematically create lark habitat by directing dredge material deposition and implementing complementary strategy to control structure-modifying vegetation.	OR, WA	5	ACOE, CNLM, Port of Portland, City of Portland, Metro, FWS
	3.3.3 Implement habitat restoration activities on breeding and wintering grounds (e.g. Damon Point, Midway Beach)	OR, WA	10	FWS, WDFW, WSP, ACOE, CNLM, WDNR
	3.1.3 Implement habitat restoration activities on unoccupied sites within the breeding and wintering range (e.g. St. John's Landfill, Sauvie, Gov't island)		*	City of Portland, Metro, OSU, USFWS, NRCS
	3.3.4 (Coast) Remove beach grass (use Leadbetter plover restoration HRA as demo project) -ongoing	WA		FWS, WDFW, WSP
	3.4 South Puget Sound habitat restoration			
	3.4.1 Implement habitat restoration activities on breeding ground using all available tools (e.g. herbicide, fire). Focus on invasives that change the structure of the habitat - ongoing	OR, WA	9	JBML, CNLM, FWS, WDFW
	3.5 Conduct genetic rescue (egg-swapping) aiming at stabilizing South Sound population. Evaluate success after 2 years of implementation	OR, WA	4	WDFW, ODFW, OSU, CNLM
3.6 Evaluate appropriateness and feasibility of population augmentation, relocation or reintroduction	OR, WA	12	WDFW, OSU, Oregon Zoo, CNLM	
Education and outreach	4.1 Hold larks and airports working group - in process	OR, WA	*	CNLM, Port of Portland, FWS, WDFW, regional airports
	4.2 Maintain range-wide working group and coordination	OR, WA	11	CNLM, FWS
	4.3 Engage Willamette Valley agricultural community in streaked horned lark conservation			
	4.3.1 Conduct a workshop for NRCS and SWCDs to disseminate lark information and brainstorm on how to implement programs (first)	OR	8	
	4.3.2 Develop a lark and agriculture program and mechanism to communicate with agricultural land owners (second)	OR		
	4.3.3 Conduct private landowner and farm bureau field visit / lark workshop	OR		
	4.3 Develop outreach and educational materials	OR		
	4.2.1 Develop STHL informational webpage	OR, WA		
	4.3.3 Develop materials on habitat management and restoration for land managers	OR, WA		
	4.3.4 Develop outreach programs for additional partners, promoting regional recovery and habitat management (e.g. state partner on already conserved lands).	OR, WA		
4.3.2 Develop materials for private land owners, particularly for degraded ag land - initial draft complete	OR			
4.4 Encourage federal & state agencies to promote incentive programs	OR, WA		WDFW, FWS	