



Bush Prairie Habitat Conservation Plan

Stakeholder Meeting, November 14, 2019



Welcome & Agenda

- Meeting overview and introductions
- Phase 2 project activities
- Schedule and next steps

Phase 2 Project Activities



- Updated land cover mapping
- Slight modifications to species habitat distribution models
- Estimating potential effects on covered species from covered activities

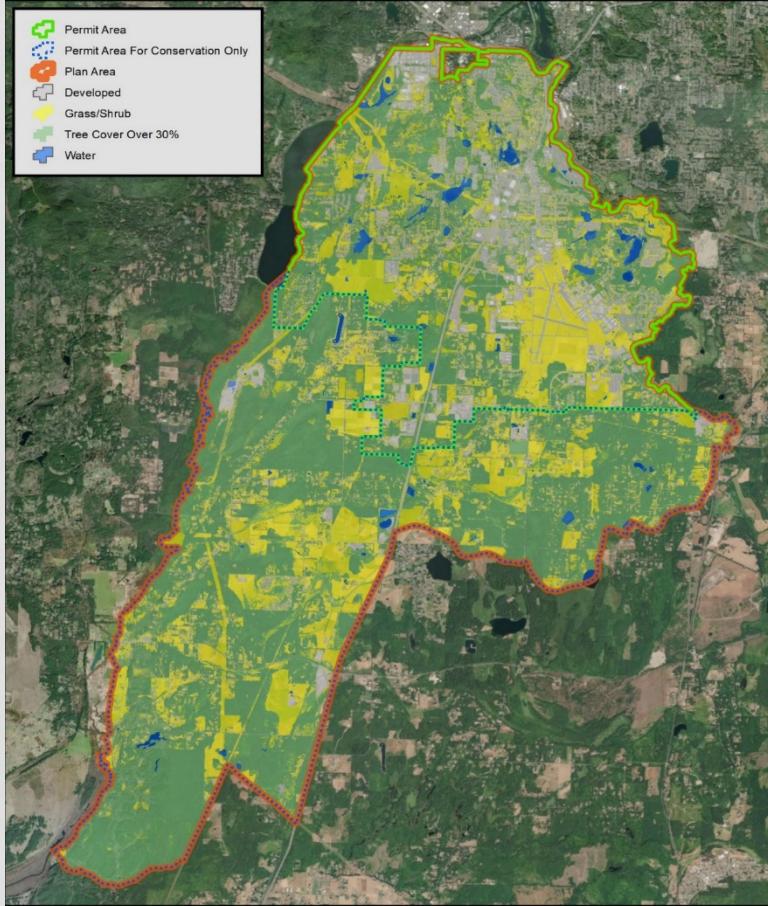


Phase 2 Project Activities

- Determining conservation actions and management needs
- Starting to develop implementation strategy
- Beginning cost and funding analysis

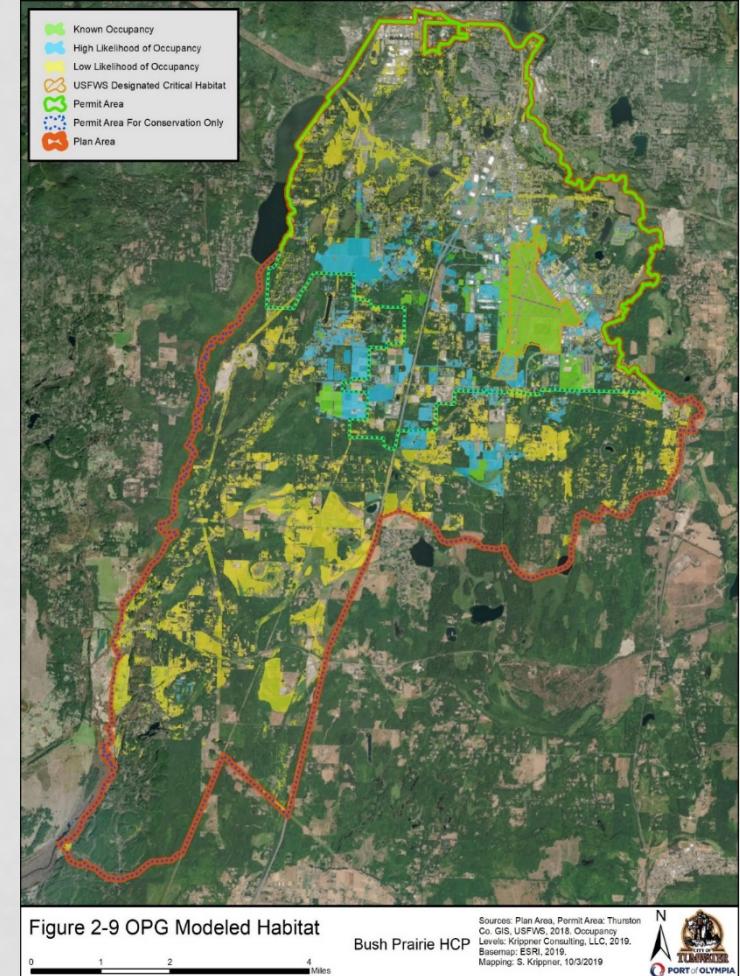


Updated Land Cover Data





Draft Habitat Olympia Pocket Gopher





Draft Habitat Oregon Spotted Frog

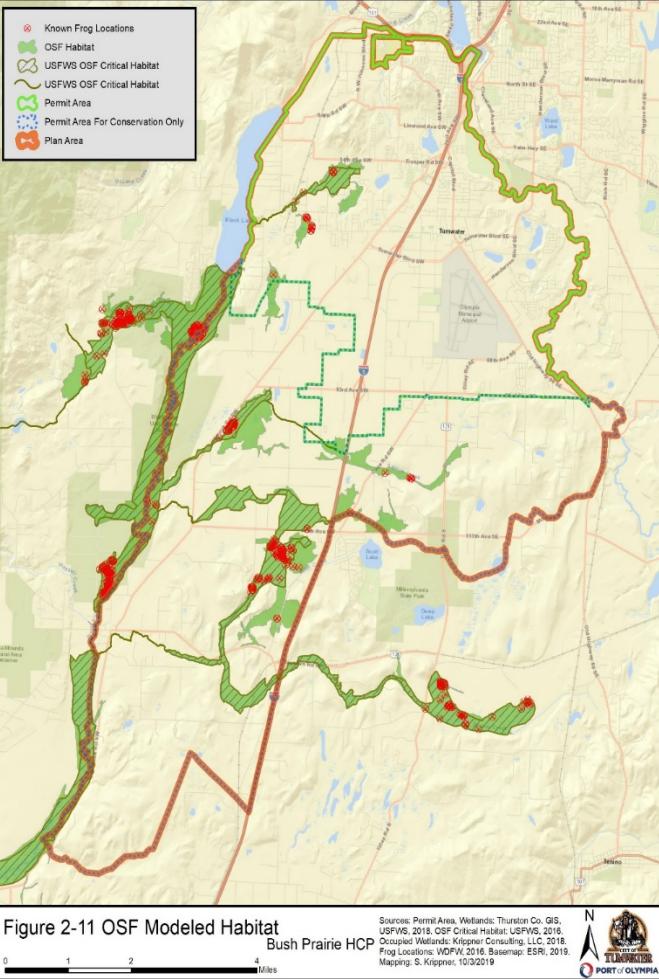


Figure 2-11 OSF Modeled Habitat

Bush Prairie HCP

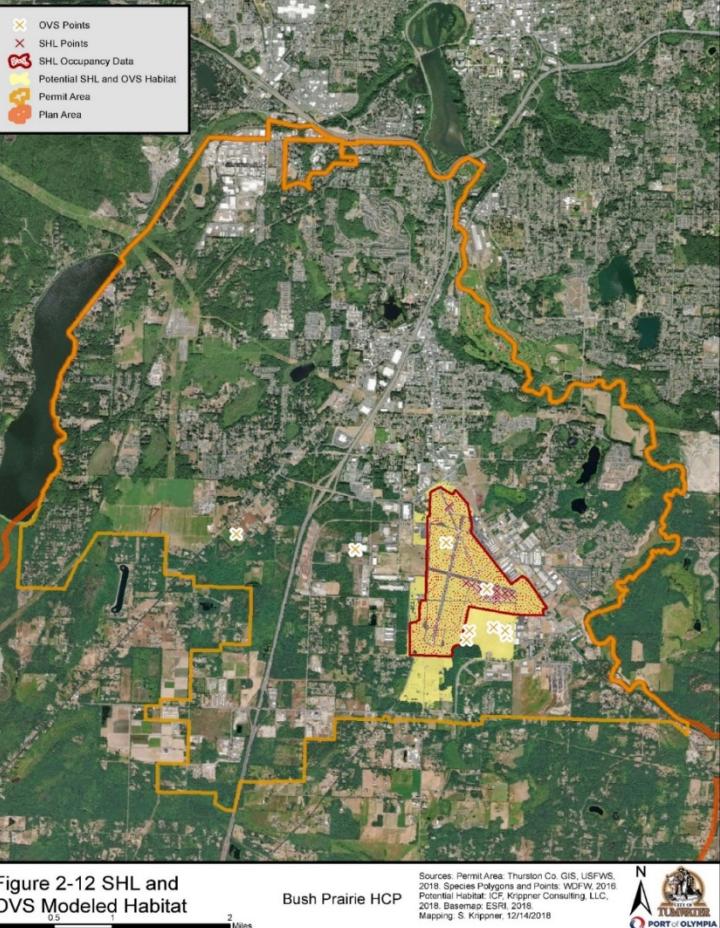
Sources: Permit Area, Wetlands: Thurston Co. GIS, USFWS, 2018. OSF Critical Habitat: USFWS, 2016. Coastal Wetlands: Kremerschuh, LLC, 2018. Frog Locations: WDFW, 2016. Basemap: Esri, 2019. Mapping: S. Krippner, 10/3/2019



Draft Habitat Lark and Sparrow



- Used known occurrences
- Included adjacent lands with short grassland vegetation





Estimated Effects

- Estimates of urban growth from the Thurston Regional Planning Council
- Estimates of development under the Port of Olympia Master Plan
- Remove areas that are unlikely to develop (e.g., development underway, mitigation lands)



Estimated Effects

- Compare areas likely to develop with assumptions about species habitat potential



Estimated Effects

Olympia Pocket Gopher

Modeled Habitat Type	Total Amount of Modeled Habitat in Plan Area (acres)	Maximum Amount Removed by Covered Activities in the Permit Area (acres)	Modeled Habitat Remaining in Plan Area Following Loss from Covered Activities (acres)	Percent Lost During Permit Term
Occupied	1,013	205	808	20
High Likelihood of Occupancy	1,630	734	896	45
Low Likelihood of Occupancy	4,360	628	3,732	14
Total	7,003	1,567	5,436	22

**Acreages are estimates and may change prior to completion of the HCP



Estimated Effects

Oregon Spotted Frog

Modeled Habitat Type	Total Modeled Habitat(acres)	Maximum Loss of Modeled Habitat (acres)	Total Habitat Remaining Following Modeled Habitat Loss (acres)	Percent of Modeled Habitat Lost
Occupied Wetlands in Permit Area	294	12	282	4
Occupied Wetlands in Plan Area	2,575	12	2,563	<0.5

**Acreages are estimates and may change prior to completion of the HCP



Estimated Effects Streaked Horned Lark/Oregon Vesper Sparrow

Modeled Habitat Type	Total Amount of Modeled Habitat in Plan Area (acres)	Maximum Amount of Modeled Habitat Lost in Permit Area (acres)	Amount of Modeled Habitat Remaining Following Habitat Loss under HCP (acres)	Percent of Modeled Habitat in Plan Area lost to Covered Activities
Suitable Habitat	663	110	553	17

**Acreages are estimates and may change prior to completion of the HCP

Conservation Strategy



- Identifying mitigation land
 - Amount
 - Criteria
 - Location
- Create biological goals and objectives for covered species



- Outline management activities on mitigation lands that will improve habitat conditions
- Describe a monitoring program to track progress

Conservation Strategy



HCP Cost Centers

- Implementation of Conservation Strategy
- Mitigation land acquisition
- Land management costs
- Monitoring costs

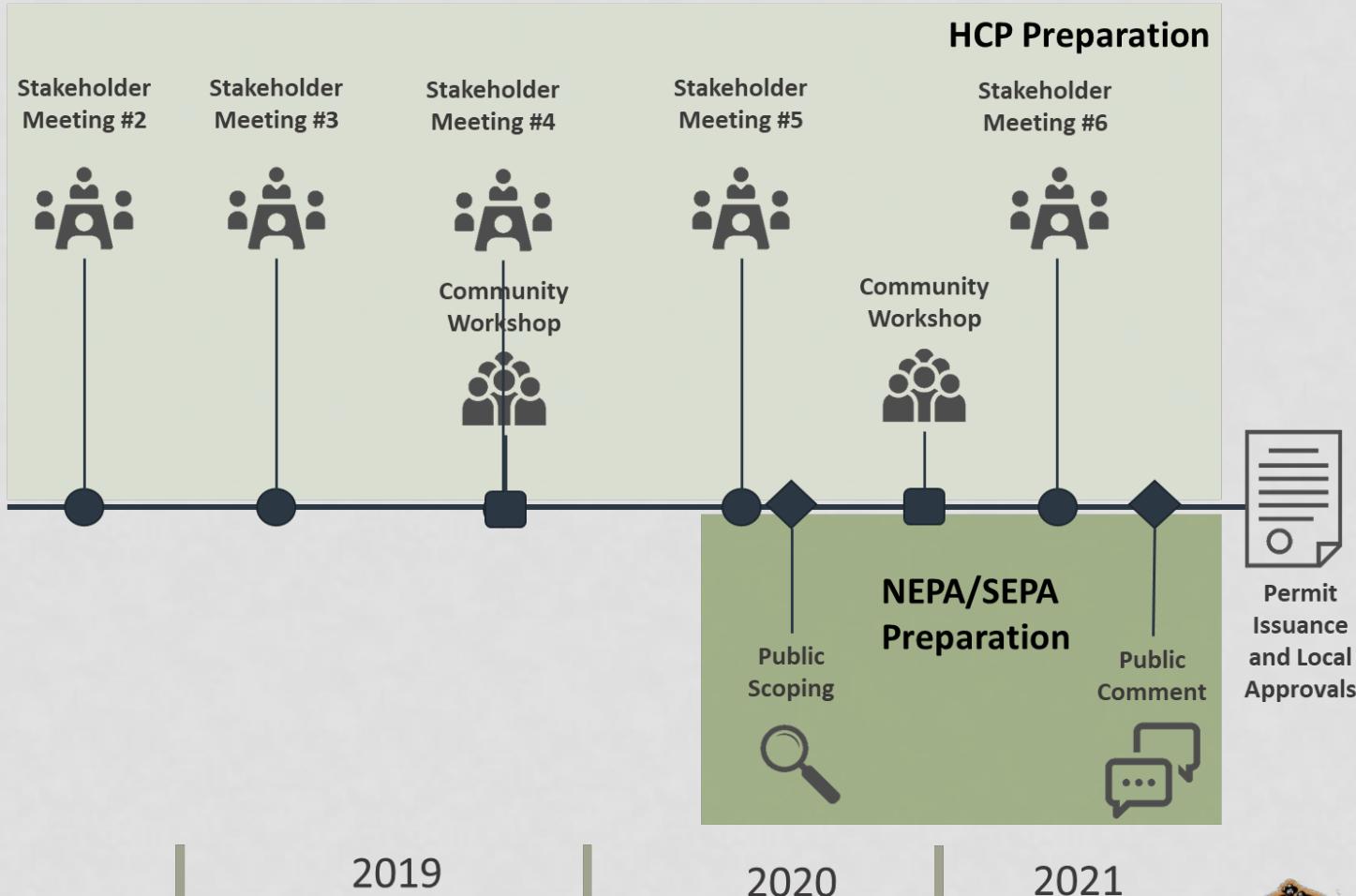


HCP Cost Centers

- Adaptive management
- HCP Administration Costs
- Endowment funding to manage mitigation lands in perpetuity
- Contingency funds to cover uncertainties



Timeline





- Continue to develop the draft HCP document
- Continue coordination with USFWS and WDFW

What's Next



- Finalize take estimates and conservation need
- More fully develop implementation structure and HCP costs
- Next stakeholder meeting early 2020

What's Next