

**APPENDIX I**  
**NEPA CE DOCUMENT**



Federal Aid Project Number STPUS-5235(015)	NEPA Start Date 11-01-16	Intent of Submittal Preliminary <input checked="" type="checkbox"/> Final <input type="checkbox"/> Re-Evaluate <input type="checkbox"/>
Agency City of Tumwater	Project Title Capitol Blvd. - M St. to Israel Rd. Feasibility	
County Thurston		
Beginning Terminus: n/a	Township(s): 18N	
Ending Terminus: n/a	Range(s): 2W	
Miles: n/a	Section(s): 34	

**Part 1 - Project Description**

The City of Tumwater (City) is proposing the Capitol Boulevard/Trospen Road Intersection Improvements project as Phase 1 of the Capitol Blvd - M St. to Israel Rd. Feasibility project. The Capitol Boulevard/Trospen Road Intersection improvements will construct the following:

- A new local street, 6th Avenue, connecting Trospen Road SW and Lee Street SW.
- A two-lane roundabout at the intersection of 6th Avenue/Trospen Road.
- A two-lane roundabout at Capitol Boulevard SE and Trospen Road SW.
- A one-lane roundabout at the ramp terminal on 6th Avenue.
- A new local street, Trospen Road SE, extending Trospen Road east of Capitol Boulevard.



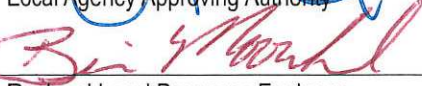

The project will realign the Interstate 5 (I-5) northbound off-ramp to Trospen Road SW and northbound I-5 on-ramp from eastbound Trospen Road SW to intersect 6th Avenue. In addition, Linda Street will be repurposed for local access only and will include driveway aprons at either end to discourage through traffic.

The project will include installation of stormwater conveyance and infiltration facilities; undergrounding overhead utilities; acquiring right-of-way (ROW), including residential and commercial displacement; illumination; geotechnical investigations, including borings, test pits, and in situ tests; grading; and signing. Hard surface improvements will include an asphalt road surface and a concrete sidewalks.

**Part 2 - Categorical Exclusion & STIP**

- Identify the CE from 23 CFR 771.117 (CE Guidebook - Appendix A) that fits the entire project (c) <sup>(23)</sup>ii d(13)
- Per 23 CFR Part 452(l) identify the subsequent project phase identified on the STIP?  ROW  Construction
- Attach a copy of the STIP page to the CE documentation form.

**NEPA Approval Signatures**

	8/8/2017		8-8-17
Local Agency Approving Authority	Date	Local Programs Environmental Engineer	Date
	8-8-17		8/23/17
Regional Local Programs Engineer	Date	Federal Highway Administration	Date

Completed by (Print Official's Name): Josh Brannin	Telephone (include area code): 360-352-1465	Email address: josh.brannin@scjalliance.com
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**Part 3 - Permits, Approvals & Right of Way (ROW)**

Yes	No	Permit of Approval	Yes	No	Permit of Approval
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Corps of Engineers <input type="checkbox"/> Sec. 10 <input type="checkbox"/> Sec. 404	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Rights Permit
		<input type="checkbox"/> Nationwide Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Quality Certification - Section 401 Issued by
		<input type="checkbox"/> Individual Permit No.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tribal Permits(s) (if any)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coastal Zone Management Certification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Permits (List)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Critical Areas Ordinance (CAO) Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is ROW acquisition needed (excluding temporary rights)? If yes, amount needed: 2.4 acres (acres/sq. ft.)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Forest Practices Act Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is relocation required?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hydraulic Project Approval	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Has ROW (property and/or property interests) been acquired for this project prior to the NEPA start date? If yes, documentation demonstrating compliance with 23 CFR 710.501 may be required. Contact your LPE and Environmental Engineer to determine whether additional documentation will be required.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Local Building or Site Development Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is a detour required? If yes, please attach detour information.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Local Clearing and Grading Permit			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	National Pollutant Discharge Elimination System (NPDES) Baseline General for Construction			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shoreline Permit			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Waste Discharge Permit			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TESC Plans Completed			

**U.S. Coast Guard Permitting**

- Does the project propose any new or modify any existing bridges or culverts crossing a waterway?  Yes  No
- If yes, attach a copy of the jurisdictional determination email from the U.S. Coast Guard.

**Other Federal Agencies** - Does the project involve any federal properties, approvals or funding from other/additional federal agencies?  Yes  No If yes, please describe.

The project requires an approved Interchange Justification Report from WSDOT and FHWA.

**Part 4 - Environmental Considerations**

**Will the project involve work in or affect any of the following? Identify proposed mitigation. Attach additional pages or supplemental information if necessary.**

- Air Quality** - Identify any anticipated air quality issues.
  - Is the project exempt from Air Quality conformity requirements?  Yes  No  
If Yes, identify exemption - please refer to Appendix G in the CE Guidebook for a list of exemptions.
  - Is the project included in the Metropolitan Transportation Plan?  Yes  No  
If Yes, date Metropolitan Transportation Plan was adopted October 7, 2016
  - Is the project located in an Air Quality Non-Attainment Area or Maintenance Area for carbon monoxide, ozone or PM 10?  Yes  No

**Part 4 - Environmental Considerations**

**2. Critical and Sensitive Areas**

- Is this project within a sole source aquifer? .....  Yes  No

If located within a sole source aquifer, is the project exempt from EPA approval?

If Yes, please list exemption

If no, date of EPA approval

- Will this project impact Species/Habitat other than ESA listed species?  
(If No, explain your answer ) .....  Yes  No

The project will not impact species or wildlife habitat.

- Is this project within one mile of a Bald Eagle nesting territory, winter concentration area or communal roost? .....  Yes  No

- Will blasting, pile driving, concrete saw cutting, rock drilling or rock scaling activities occur within one mile of a Bald Eagle nesting area? .....  Yes  No

- Are wetlands present within the project area? .....  Yes  No

If yes, estimate the impact in acres

Please attach a copy of the proposed mitigation plan.

**3. Cultural Resources/Historic Structures - Identify any historic, archaeological or cultural resources present within the project's Area of Potential Effects**

- Does the project fit into any of the exempt types of projects listed in Appendix J of the CE Guidebook?  
(If Yes, note exemption below). .....  Yes  No

If No:

Date of DAHP concurrence: 07/27/2017

Date of Tribal consultation(s) (if applicable): 07/10/2017

- Adverse effects on cultural/historic resources .....  Yes  No

If Yes, date of approved Section 106 MOA

**4. Floodplains and Floodways**

- Is the project located in a 100-year floodplain .....  Yes  No

- If Yes, is the project located within a 100-year floodway .....  Yes  No

- Will the project impact a 100-year floodplain? (If Yes, describe impacts.) .....  Yes  No

**Part 4 - Environmental Considerations**

**5. Hazardous and Problem Waste - Identify potential sources and types(s).**

- a) Does the project require excavation below the existing ground surface? . . . . .  Yes  No
- b) Will groundwater be encountered? . . . . .  Yes  No
- c) Will any properties be acquired as part of the is project? . . . . .  Yes  No
- d) Is this site located in an undeveloped area (*i.e.* no buildings, parking, storage areas or agriculture)? . . . . .  Yes  No
- e) Is the project located within a one-mile radius of a known Superfund Site? . . . . .  Yes  No
- f) Is this project located within a ½-mile radius of a site or sites listed on any of the following Department of Ecology databases? (If Yes, check the appropriate boxes below.) . . . . .  Yes  No
  - Voluntary Cleanup Program (VCP), State Cleanup Site (SCS), or Independent Cleanup Program (ICP)
  - Underground Storage Tank (UST)
  - Leaking Underground Storage Tank (LUST)
  - Confirmed and Suspected Contaminated Sites List (CSCSL)
- g) Has site reconnaissance (windshield survey) been performed? . . . . .  Yes  No  
(Please identify any properties not identified in the Ecology or ERS database search as an attachment -- name, address and property use).

All properties were identified in the Ecology or ERS database search.

- h) Based on the information above and project specific activities, is there a potential for the project to generate, acquire or encounter contaminated soils, groundwater or surface water? . .  Yes  No

**Please explain:**

There is no potential to generate pollutants beyond standard roadway construction pollution generating activities. Contract documents will include a Construction General Stormwater Permit and Stormwater Pollution Prevention Plan to contain, treat, and cleanup pollutants generated during construction.

There is a potential to encounter existing petroleum contaminated soils. The Hazardous Material Environmental Report, dated July 27, 2107, recommends Phase I ESAs on sites of concern where property acquisition is planned with follow-up Phase II ESAs if required.

The project is within one-mile of the Palermo Wellfield Superfund Site. The project will have no impact on the superfund site. A plume of PCE/TCE contamination in the groundwater is located north of the site and is part of the Palermo Wellfield Superfund Site. Groundwater is approximately 35 to 55 feet below ground surface. Stormwater infiltration facilities are being considered and will be designed in accordance current stormwater design standards. Impacts to the PCE/TCE contamination will be considered during design.

If you responded **Yes** to any of the following questions (5A – 5C, 5F and 5H), contact your Region LPE for assistance as a *right-sized* HazMat Analysis Report/Memorandum most likely will be required.

**6. Noise**

- Does the project involve constructing a new roadway? . . . . .  Yes  No
- Is there a change in the vertical or horizontal alignment of the existing roadway? . . . . .  Yes  No
- Does the project increase the number of through traffic lanes on an existing roadway. . . . .  Yes  No
- Is there a change in the topography? . . . . .  Yes  No
- Are there auxiliary lanes extending 1½ miles or longer being constructed as part of this project? . . .  Yes  No

If you answered Yes to any of the preceding questions, identify and describe any potential noise receptors within the project area and subsequent impacts to those noise receptors. Please attach a copy of the noise analysis if required.

Noise receptors include commercial and residential properties. Modeled noise levels for the opening and design years were compared to existing noise levels. The model indicated that the noise levels will increase by a maximum of 3 dBA, which is less than the impact criterion of 10 dBA set by WSDOT. A copy of the final noise study, July 27, 2017, is attached.

If impacts are identified, describe proposed mitigation measures

**Part 4 - Environmental Considerations**

**7. 4(f)/6(f) Resources: parks, recreation areas, wildlife refuges, historic properties, wild & scenic rivers, scenic byways**

a. Please identify any 4(f) properties within the project limits and the areas of impacts.

There are no 4(f) properties within the project limits and the areas of impacts.

b. Please identify any properties within the project limits that used funds from the Land & Water Conservation Fund Act.

There are no properties within the project limits that used funds from the Land & Water Conservation Fund Act.

c. Please list any Wild and Scenic Rivers and Scenic Byways within the project limits.

There are no Wild and Scenic Rivers or Scenic Byways within the project limits.

**8. Agricultural Lands** - Are there agricultural lands within 300 feet of the project limits?.....  Yes  No  
If Yes, please describe impacts.

Are impacted lands considered to be unique and prime farmland?.....  Yes  No  
If Yes, date of project review by Natural Resource Conservation Service (NRCS)

**9. Rivers, Streams (continuous or intermittent) or Tidal Waters**

a. Identify all waterbodies within 300 feet of the project limits or that will otherwise be impacted.

There are no waterbodies within 300 feet of the project. A stormwater management plan will be completed to determine downstream impacts. Stormwater mitigation will be designed to comply with current City of Tumwater and Washington State Department of Ecology requirements.

b. Identify stream crossing structures by type.

There are no stream crossings within the project limits.

**10. Tribal Lands** - Identify whether the project will occur within any Tribal lands, including reservation, trust and fee lands. Please do not list usual and accustomed areas.

The project will not occur within Tribal lands.

**Part 4 - Environmental Considerations**

**11. Water Quality/Stormwater**

Will this project's proposed stormwater treatment be consistent with either WSDOT's HRM, DOE's stormwater management manual for eastern/western Washington or a local agency equivalent manual? . . . . .  Yes  No  
If No, explain proposed water quality/quantity treatment for the new and any existing impervious surface associated with the proposed project.

Amount of existing impervious surface within the project limits: 4.7 acres  
Net new impervious surface to be created as a result of this project: 1.3 acres

**12. Previous Environmental Commitments**

Describe previous environmental commitments that may affect or be affected by the project - If a .  
The project will not affect any previous environmental commitments.

**13. Environmental Justice**

Does the project meet any of the exemptions noted in Appendix L of the NEPA CE Guidebook? . . . . .  Yes  No  
If Yes, please note the exemption and appropriate justification in the space below.

If No, are minority or low-income populations located within the limits of the project's potential impacts? . . . . .  Yes  No  
If No, attach appropriate data to support findings. If Yes, describe impacts and attach appropriate supporting documentation. Findings should be confirmed using at least two information sources. Please refer to the NEPA CE Guidebook for more information.

**Part 5 - Biological Assessments and EFH Evaluations**

1. Do any listed species potentially occur in the project's action area and/or is any designated critical habitat present within the project's action area? (If No, attach species listings.) . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Affected ES Listed Species	2. Will any construction work occur within 0.25 mile of any of the following?	3. Does the project involve blasting, pile driving, concrete sawing, rock-drilling or rock-scaling activity within one mile of any of the following?
Oregon Spotted Frog proposed critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Yellow-billed Cuckoo suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Spotted Owl management areas, designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Marbled Murrelet nest or occupied stand, designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Western Snowy Plover designated critical habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the project within 0.25 mile of marine waters? If Yes explain potential effects on Killer Whales and on Marbled Murrelet foraging areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Killer Whale designated critical habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Grizzly Bear suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Gray Wolf suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Canada Lynx habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Columbia White-tailed Deer suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Woodland Caribou habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Streaked Horned Lark designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Taylor's Checkerspot designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mazama Pocket Gopher designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Eulachon designated critical habitat or suitable habitat?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Rockfish proposed critical habitat or suitable habitat	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A mature coniferous or mixed forest stand?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Will the project involve any in-water work? . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Will any construction work occur within 300 feet of any perennial or intermittent waterbody that either supports or drains to waterbody supporting listed fish . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Will any construction work occur within 300 feet of any wetland, pond or lake that is connected to any permanent or intermittent waterbody? . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Does the action have the potential to directly or indirectly impact designated critical habitat for salmonids (including adjacent riparian zones)? . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
8. Will the project discharge treated or untreated stormwater runoff or utilize water for a waterbody that supports or drains into a listed-fish supporting waterbody . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
9. Will construction occur outside the existing pavement? If Yes go to 9a. . . . . <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
9a. Will construction activities occurring outside the existing pavement involve clearing, grading, filling or modification of vegetation or tree-cutting? . . . . . <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
10. Are there any Federally listed Threatened or Endangered plant species located within the project limits? If Yes, please attach a list of these plant species within the action area. . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
11. Does a mature coniferous or mixed forest stand occur within 200' of the project site? . . . . . <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		



**Analysis for No Effects Determination** - If there are any Yes answers to questions in Part 5, additional analysis is required. Attach additional sheets if needed.

Question 1: Construction activities may include concrete sawing. Construction documents will require the contractor to contain pollutants and runoff from concrete sawing within the clearing limits. There will be no work directly in streaked horned lark or Mazama pocket gopher critical habitat or suitable habitat.

Questions 9 and 9a: Construction outside existing pavement area will fall within previously disturbed areas. Clearing, grading, filling, modification of vegetation, and tree-cutting will not impact listed species or their habitat.

**Analysis for RRMP ESA 4(d) determination for NMFS** - A local agency must be certified by the Regional Road Maintenance Forum to utilize 4(d).

**Maintenance Category** (check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> 1. Roadway Surface                    | <input type="checkbox"/> 6. Stream Crossings        | <input type="checkbox"/> 11. Emergency Slide/Washout Repair |
| <input type="checkbox"/> 2. Enclosed Drainage Systems          | <input type="checkbox"/> 7. Gravel Shoulders        | <input type="checkbox"/> 12. Concrete                       |
| <input type="checkbox"/> 3. Cleaning Enclosed Drainage Systems | <input type="checkbox"/> 8. Street Surface Cleaning | <input type="checkbox"/> 13. Sewer Systems                  |
| <input type="checkbox"/> 4. Open Drainage Systems              | <input type="checkbox"/> 9. Bridge Maintenance      | <input type="checkbox"/> 14. Water Systems                  |
| <input type="checkbox"/> 5. Watercourses and Streams           | <input type="checkbox"/> 10. Snow and Ice Control   | <input type="checkbox"/> 15. Vegetation                     |

**Describe how the project fits in the RRMP 4(d) Program:**

#### Effect Determinations for ESA and EFH

If each of the questions in the preceding section resulted in a "No" response or if any of the questions were checked "Yes," but adequate justification can be provided to support a "no effect" determination, then check "No Effect". If this checklist cannot be used for Section 7 compliance (i.e., adequate justification cannot be provided or a "may effect" determination is anticipated), a separate biological assessment document is required.

- |   | NMFS | USFWS | EFH Determination   |
|---|------|-------|---|
| <input checked="" type="checkbox"/> No Effect       |      |       | <input type="checkbox"/> No Adverse Effect                            |
| <input type="checkbox"/> NLTA - Date of Concurrence |      |       | <input type="checkbox"/> Adverse Effect -<br>Date of NMFS concurrence |
| <input type="checkbox"/> LTAA - Date BO issued      |      |       |   |
| <input type="checkbox"/> RRMP 4(d)                  |      |       |   |

#### Part 6- FHWA Comments

## Part 2.1 Categorical Exclusion

culverts, drainage, fixed guideways, mitigation areas, etc.) and other areas maintained for transportation purposes such as clear zone, traffic control signage, landscaping, any rest areas with direct access to a controlled access highway, areas maintained for safety and security of a transportation facility, parking facilities with direct access to an existing transportation facility, transit power substations, transit venting structures, and transit maintenance facilities. Portions of the right-of-way that have not been disturbed or that are not maintained for transportation purposes are not in the existing operational right-of-way.

**(23)** Federally-funded projects:

- (i)** That receive less than \$5,179,656.40 (2016 adjusted) of Federal funds; or
- (ii)** With a total estimated cost of not more than \$31,077,938.40 (2016 adjusted) and Federal funds comprising less than 15 percent of the total estimated project cost.

**(24)** Localized geotechnical and other investigation to provide information for preliminary design and for environmental analyses and permitting purposes, such as drilling test bores for soil sampling; archeological investigations for archeology resources assessment or similar survey; and wetland surveys.

**(25)** Environmental restoration and pollution abatement actions to minimize or mitigate the impacts of any existing transportation facility (including retrofitting and construction of stormwater treatment systems to meet Federal and State requirements under sections 401 and 402 of the Federal Water Pollution Control Act (33 U.S.C. 1341; 1342) carried out to address water pollution or environmental degradation.

**(26)** Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (including parking, weaving, turning, and climbing lanes), if the action meets the constraints in paragraph (e) of this section.

**(27)** Highway safety or traffic operations improvement projects, including the installation of ramp metering control devices and lighting, if the project meets the constraints in paragraph (e) of this section.

**(28)** Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in paragraph (e) of this section.

**(29)** Purchase, construction, replacement, or rehabilitation of ferry vessels (including improvements to ferry vessel safety, navigation, and security systems) that would not require a change in the function of the ferry terminals and can be accommodated by existing facilities or by new facilities which themselves are within a CE.

**(30)** Rehabilitation or reconstruction of existing ferry facilities that occupy substantially the same geographic footprint, do not result in a change in their functional use, and do not result in a substantial increase in the existing facility's capacity. Example actions include work on pedestrian and vehicle transfer structures and associated utilities, buildings, and terminals.

**(d)** Additional actions which meet the criteria for a CE in the CEQ regulations (40 CFR 1508.4) and paragraph (a) of this section may be designated as CEs only after the FHWA



Washington State S. T. I. P.

2017 to 2020

(Project Funds to Nearest Dollar)

July 31, 2017

MPO/RTPO: TRPC

Y Inside

N Outside

County: Thurston

Agency: Tumwater

Func Cls	Project Number	PIN	STIP ID	Imp Type	Total Project Length	Environmental Type	RW Required	Begin Termini	End Termini	Total Est. Cost of Project	STIP Amend. No.
14			WA-07854	01	0.910	EA	Yes	Multiple, See Project Description	Multiple, See Project Description	12,000,000	17-05

I-5 / Trosper Rd / Capitol Blvd Reconfiguration

Modify I-5 NB Off-Ramp and southerly NB On-Ramp, construct roundabout at I-5/6th Ave, construct new roadway between West Lee Street and Trosper Road, reconstruct Trosper from I-5 to Capitol Blvd, extend Trosper Rd east of Capitol Blvd, construct roundabout at Trosper Rd/Capitol Blvd, reconstruct Linda St from Capitol Blvd to a new local access road and construct new local access road from Ruby St to Trosper Rd extension.

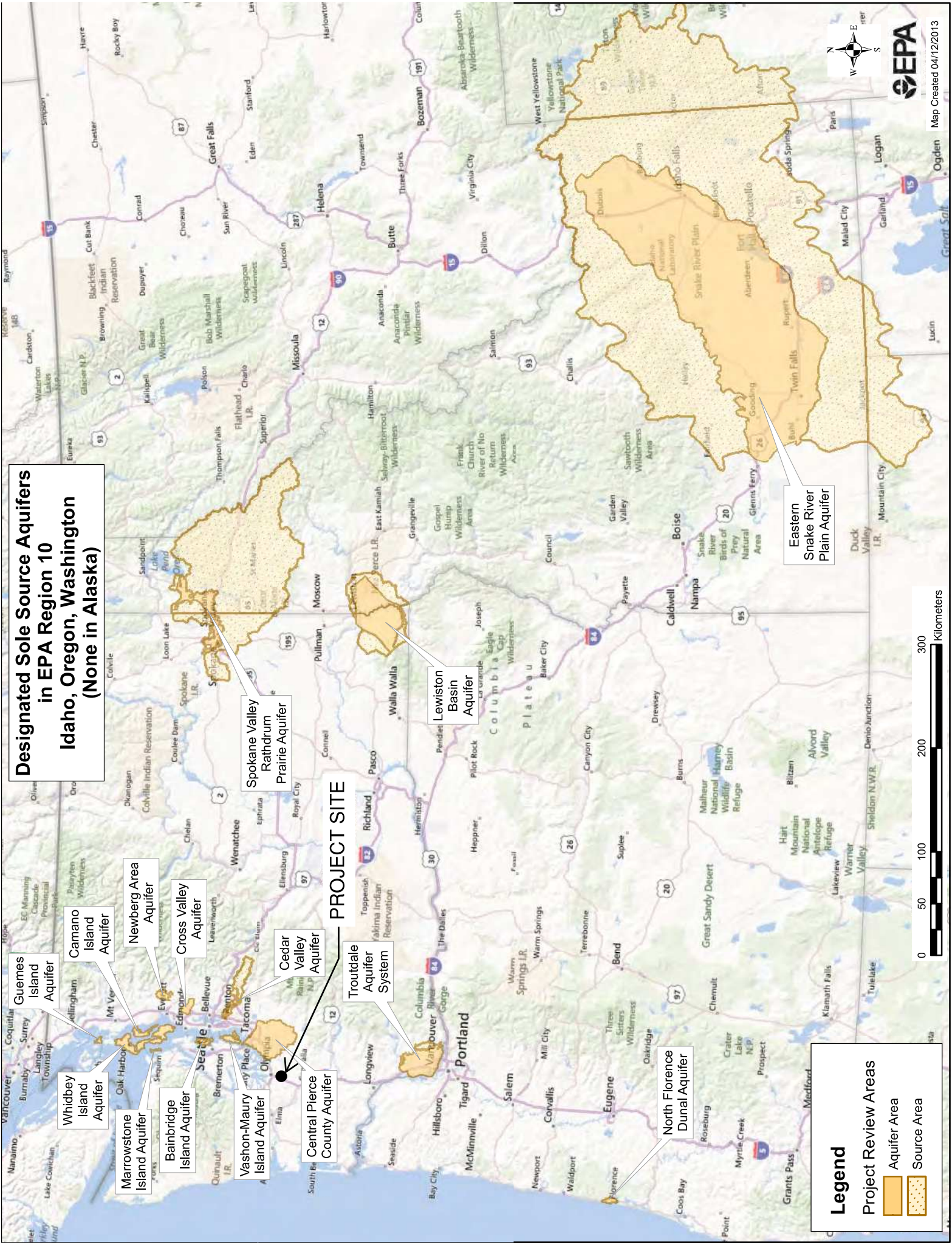
Termini: NB Off-Ramp and southerly NB On-Ramp (I-5), I-5 to 470' east of Capitol Blvd (Trosper Rd), Lee St to Trosper Rd (6th Ave), 100' north of Ruby St to 340' north of Trosper Rd (Capitol Blvd), Capitol Blvd to 425' east of Capitol Blvd (Linda St)

Funding

Phase	Start Date	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total
RW	2018		0	TIB	4,200,000	800,000	5,000,000
<b>Project Totals</b>			<b>0</b>		<b>4,200,000</b>	<b>800,000</b>	<b>5,000,000</b>
<b>Expenditure Schedule</b>							
Phase							
RW			0	1st	0	4th	5th & 6th
			0	2nd	3rd	0	0
			1,000,000		4,000,000	0	0
			1,000,000		4,000,000	0	0
<b>Totals</b>			<b>0</b>		<b>4,000,000</b>	<b>0</b>	<b>0</b>



# Designated Sole Source Aquifers in EPA Region 10 Idaho, Oregon, Washington (None in Alaska)



Whidbey Island Aquifer

Marowstone Island Aquifer

Bainbridge Island Aquifer

Vashon-Maury Island Aquifer

Central Pierce County Aquifer

Cedar Valley Aquifer

Troutdale Aquifer System

Guemes Island Aquifer

Camano Island Aquifer

Newberg Area Aquifer

Cross Valley Aquifer

Spokane Valley Rathdrum Prairie Aquifer

Walla Walla Aquifer

Lewiston Basin Aquifer

Eastern Snake River Plain Aquifer

North Florence Dunal Aquifer

**Legend**

Project Review Areas

- Aquifer Area
- Source Area







HORIZONTAL SCALE:  
 NTS  
 DATE:  
 05/07/17  
 JOB No.  
 625.12  
 DRAWING FILE No.:  
 N/A

CITY OF TUMWATER  
 CAPITOL BLVD / TROSPER RD FEASIBILITY  
 WETLAND BOUNDARIES

EXHIBIT No.  
 WL-1  
 SHEET No.  
 1







Allyson Brooks Ph.D., Director  
State Historic Preservation Officer

July 27, 2017

Mr. Trent De Boer  
Archaeologist  
WA State Dept. of Transportation  
PO Box 47390  
Olympia, WA. 98504-7390

In future correspondence please refer to:  
Project Tracking Code: 2017-05-03325  
Property: City of Tumwater-Capitol Blvd/Trosper Rd Improvement Project  
Re: No Historic Properties Affected

Dear Mr. De Boer:

Thank you for contacting the Department of Archaeology and Historic Preservation (DAHP) and providing a copy of the cultural resources survey report for the above referenced project. First, we concur that the property at 113 Linda Street SE (Property #484414), 5407 S. Capitol Boulevard (Property #488785), 301 Lee Street SE (Property #488818), and 5403 S. Capitol Boulevard (Property #488917) are not eligible for inclusion in the National Register of Historic Places. We also concur with the recommendations made in the report and your finding of No Historic Properties Affected.

As a result of our concurrence, further contact with DAHP on this matter is not necessary. However, if information become available and/or the scope of work changes, please resume consultation by DAHP and all consulting parties. In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity must stop, the area secured, and contact made with concerned tribes and DAHP for further consultation.

We appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36 CFR 800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in conformance with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR 800.

Thank you for the opportunity to review and comment. If you have any questions, please don't hesitate to contact me.

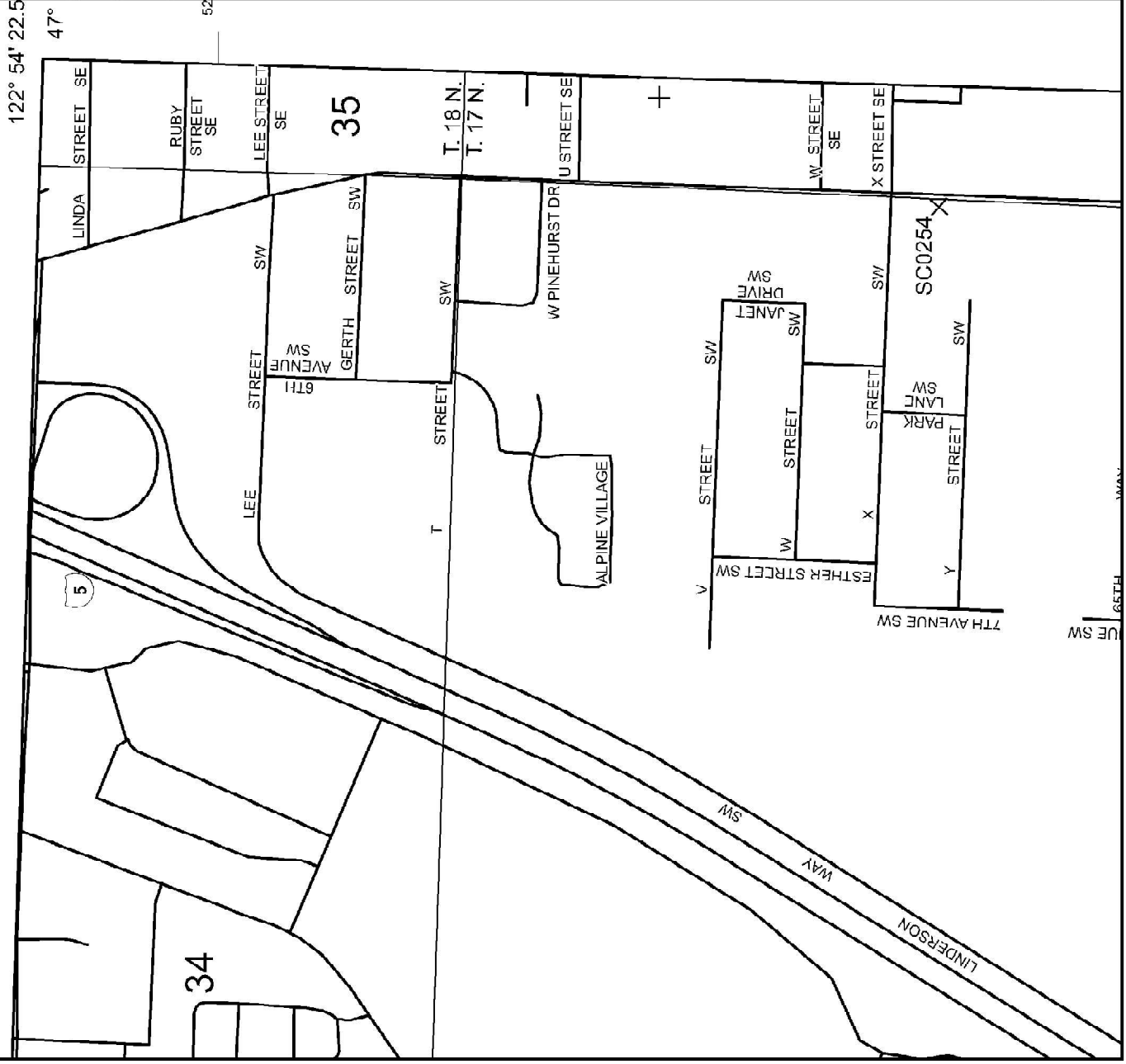
Sincerely,

Dennis Wardlaw  
Transportation Archaeologist  
(360) 586-3085  
dennis.wardlaw@dahp.wa.gov





Part 4.4  
Flood Map



**NATIONAL FLOOD INSURANCE PROGRAM**

PANEL 0261E

**FIRM**  
FLOOD INSURANCE RATE MAP  
THURSTON COUNTY,  
WASHINGTON  
AND INCORPORATED AREAS

PANEL 281 OF 625  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
THURSTON COUNTY	500183	0281	E
TUMWATER CITY OF	500182	0281	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used for insurance applications for the subject community.

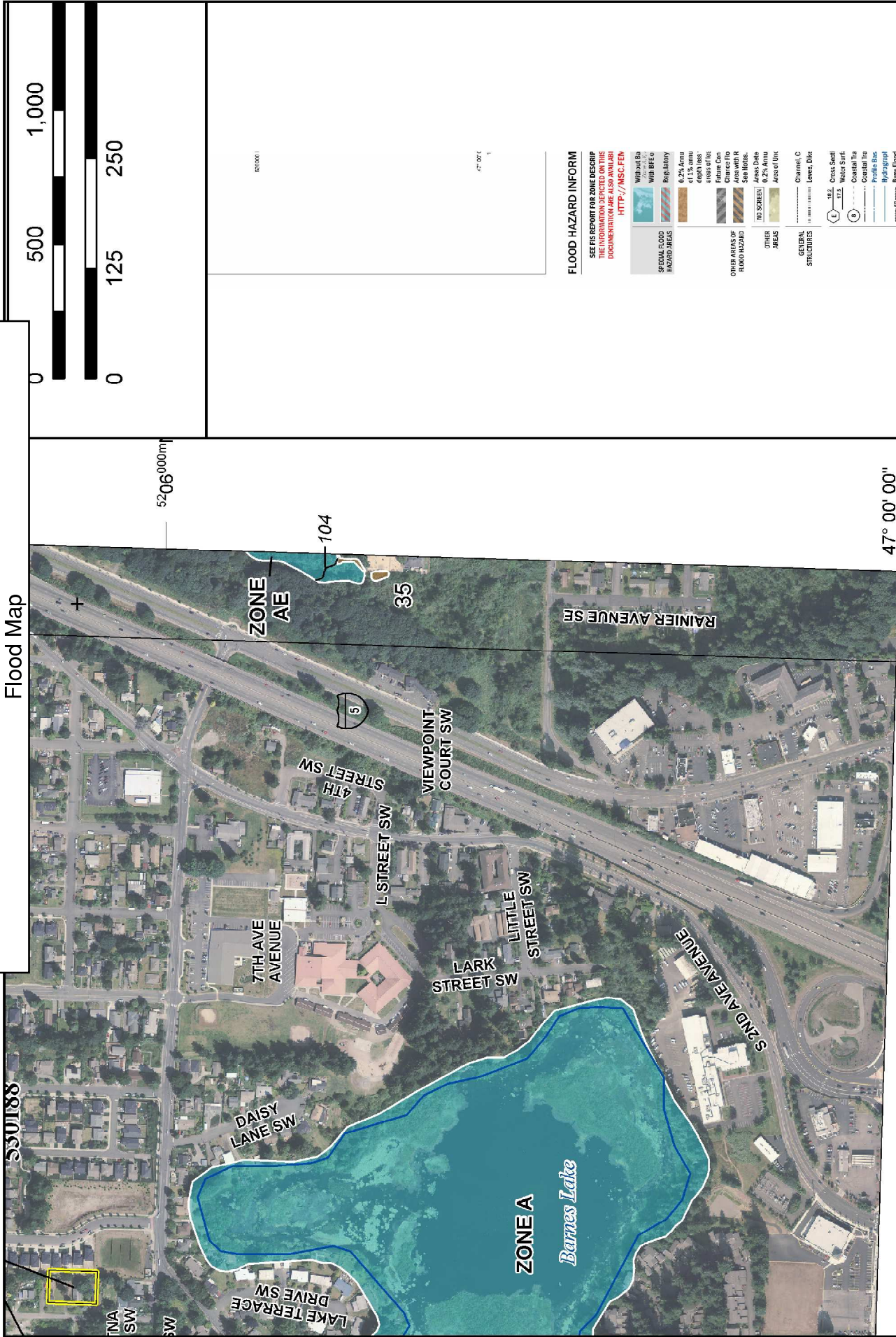


MAP NUMBER  
53067C0281E  
EFFECTIVE DATE  
OCTOBER 16, 2012  
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This Map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



Part 4.4  
Flood Map



FLOOD HAZARD INFORM

SEE FIS REPORT FOR ZONE DESCR  
THE INFORMATION DEPICTED ON THIS  
DOCUMENTATION ARE ALSO AVAILAB  
[HTTP://MSC.FEV](http://msc.fem.gov)

	Without Ba WID-BEE
	Regulatory
	0.2% Annu of 1% annu high flow capacities
	Flame Con
	Chance Flo
	Area with R
	See notes.
	Area Date Assessing Area of Use
	NO SCREEN
	OTHER AREAS OF FLOOD HAZARD
	GENERAL STRUCTURES
	Channel, C
	Levee, Dik
	Coast, Seal
	Wave Surf,
	Coastal Flo
	Profile Bas
	Hydrograph
	Base Flood
	Limit of Str.
	Anti-Isletor

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

5206'000m  
47° 00' 00"  
122° 54' 22.5"  
5'07'000mE



**LISTED AND PROPOSED ENDANGERED AND THREATENED SPECIES AND  
CRITICAL HABITAT; CANDIDATE SPECIES; AND SPECIES OF CONCERN  
IN THURSTON COUNTY  
AS PREPARED BY  
THE U.S. FISH AND WILDLIFE SERVICE  
WASHINGTON FISH AND WILDLIFE OFFICE**

**(Revised September 3, 2013)**

**LISTED**

Bull trout (*Salvelinus confluentus*)  
Gray wolf (*Canis lupus*)  
Marbled murrelet (*Brachyramphus marmoratus*)  
Northern spotted owl (*Strix occidentalis caurina*)

Major concerns that should be addressed in your Biological Assessment of project impacts to listed species include:

1. Level of use of the project area by listed species.
2. Effect of the project on listed species' primary food stocks, prey species, and foraging areas in all areas influenced by the project.
3. Impacts from project activities and implementation (e.g., increased noise levels, increased human activity and/or access, loss or degradation of habitat) which may result in disturbance to listed species and/or their avoidance of the project area.

*Castilleja levisecta* (golden paintbrush)  
*Howellia aquatilis* (water howellia)

Major concerns that should be addressed in your Biological Assessment of project impacts to listed plant species include:

1. Distribution of taxon in project vicinity.
2. Disturbance (trampling, uprooting, collecting, etc.) of individual plants and habitat loss.
3. Changes in hydrology where taxon is found.

**DESIGNATED**

Critical habitat for the bull trout  
Critical habitat for the marbled murrelet  
Critical habitat for the northern spotted owl





## PROPOSED

(Olympia, Tenino, and Yelm) Mazama pocket gopher (*Thomomys mazama* ssp. *pugetensis*, *tumuli*, and *yelmensis*)

North American wolverine (*Gulo gulo luteus*) – contiguous U.S. DPS

Oregon spotted frog (*Rana pretiosa*)

Streaked horned lark (*Eremophila alpestris strigata*)

Taylor's checkerspot butterfly (*Euphydryas editha taylori*)

Critical habitat for Olympia, Tenino, and Yelm Mazama pocket gophers

Critical habitat for Oregon spotted frog

Critical habitat for streaked horned lark

Critical habitat for Taylor's checkerspot butterfly

## CANDIDATE

Fisher (*Martes pennanti*) – West Coast DPS

## SPECIES OF CONCERN

Bald eagle (*Haliaeetus leucocephalus*)

Cascades frog (*Rana cascadae*)

Coastal cutthroat trout (*Oncorhynchus clarki clarki*) [southwest Washington DPS]

Long-eared myotis (*Myotis evotis*)

Long-legged myotis (*Myotis volans*)

Mardon skipper (*Polites mardon*)

Northern goshawk (*Accipiter gentilis*)

Northern sea otter (*Enhydra lutris kenyoni*)

Northwestern pond turtle (*Emys* (= *Clemmys*) *marmorata marmorata*)

Oregon vesper sparrow (*Pooecetes gramineus affinis*)

Olive-sided flycatcher (*Contopus cooperi*)

Pacific lamprey (*Lampetra tridentata*)

Pacific Townsend's big-eared bat (*Corynorhinus townsendii townsendii*)

River lamprey (*Lampetra ayresi*)

Slender-billed white-breasted nuthatch (*Sitta carolinensis aculeata*)

Tailed frog (*Ascaphus truei*)

Valley silverspot butterfly (*Speyeria zerene bremeri*)

Van Dyke's salamander (*Plethodon vandykei*)

Western gray squirrel (*Sciurus griseus griseus*)

*Aster curtus* (white-top aster)

*Cimicifuga elata* (tall bugbane)

*Sidalcea malviflora* ssp. *virgata* (rose checker-mallow)



# WASHINGTON DEPARTMENT OF FISH AND WILDLIFE PRIORITY HABITATS AND SPECIES REPORT



SOURCE DATASET: PHSPublic  
REPORT DATE: 05/11/2017 11.58

Query ID: P17051115812

Common Name Scientific Name	Site Name Source Dataset Source Record Source Date	Priority Area Occurrence Type More Information (URL) Mgmt Recommendations	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
town bat Lasiurus blossevillii	WS_OccurPoint 131077 August 04, 2012	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
town bat Lasiurus blossevillii	WS_OccurPoint 131092 August 02, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
town bat Lasiurus blossevillii	WS_OccurPoint 131101 August 11, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
water Emergent	N/A NWIWetlands	Aquatic Habitat Aquatic habitat <a href="http://www.ecy.wa.gov">http://www.ecy.wa.gov</a>	NA	N/A N/A PHS Listed	N AS MAPPED	US Fish and Wildlife Service Polygons
Brown Bat Myotis lucifugus	WS_OccurPoint 107426 June 21, 2006	Aquatic Habitat Aquatic habitat <a href="http://www.ecy.wa.gov">http://www.ecy.wa.gov</a>	NA	N/A N/A PHS Listed	N AS MAPPED	US Fish and Wildlife Service Polygons
Brown Bat Myotis lucifugus	WS_OccurPoint 110004 May 14, 2007	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Brown Bat Myotis lucifugus	WS_OccurPoint 110004 May 14, 2007	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points



Common Name Scientific Name	Site Name Source Dataset Source Record Source Date	Priority Area Occurrence Type More Information (URL) Mgmt Recommendations	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
Brown Bat <i>Myotis lucifugus</i>	WS_OccurPoint 131085 July 30, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Brown Bat <i>Myotis lucifugus</i>	WS_OccurPoint 141075 June 01, 2004	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Brown Bat <i>Myotis lucifugus</i>	WS_OccurPoint 141078 June 04, 2004	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Myotis <i>Myotis yumanensis</i>	WS_OccurPoint 107427 June 21, 2006	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Myotis <i>Myotis yumanensis</i>	WS_OccurPoint 131086 July 30, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Myotis <i>Myotis yumanensis</i>	WS_OccurPoint 131090 August 09, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Myotis <i>Myotis yumanensis</i>	WS_OccurPoint 131091 August 02, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points
Myotis <i>Myotis yumanensis</i>	WS_OccurPoint 131099 August 07, 2013	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points



Common Name Scientific Name	Site Name Source Dataset Source Record Source Date	Priority Area Occurrence Type More Information (URL) Mgmt Recommendations	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
Myoxocephalus thompsoni Mysoxocephalus thompsoni	WS_OccurPoint 141080 July 01, 2015	Communal Roost Biotic detection <a href="http://wdfw.wa.gov/publications/pub.php?">http://wdfw.wa.gov/publications/pub.php?</a>	GPS	N/A N/A PHS LISTED	Y TOWNSHIP	WA Dept. of Fish and Wildlife Points

AIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response on the impacts of your project on fish and wildlife. This information only documents the location of fish and wildlife resources to the best of our knowledge. It is not a complete inventory and it is important to note that fish and wildlife resources may occur in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted. Site specific surveys are frequently necessary to rule out the locations of priority resources. Locations of fish and wildlife resources are subject to variation caused by disturbance, changes in season and weather, and other factors. WDFW does not recommend using reports more than 12 months old.





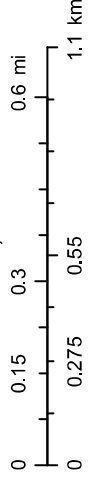
# WDFW Test Map



May 11, 2017

- PHS Report Clip Area POLY
- PT
- LN
- QTR-TWP
- TOWNSHIP
- AS MAPPED
- SECTION

1:19,842



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community