Protected Areas Exhibit

Cascade Renewable Transmission

Wasco, Hood River, and Multnomah Counties, Oregon

February 2026

Prepared for
Cascade Renewable Transmission, LLC

Submitted to
Oregon Energy Facility Siting Council

Contents

Tables

Acronyms and Abbreviations

Applicant	Cascade Renewable Transmission (CRT)
BPA	Bonneville Power Administration
dBA	A-weighted decibel
Facility	transmission line and related transmission facilities
HVAC	high-voltage alternating current
OAR	Oregon Administrative Rules
OR EFSC	Oregon Energy Facility Siting Council
PGE	Portland General Electric
Project	Cascade Renewable Transmission Project
ZVI	zone of visual influence

1 Introduction

This exhibit analyzes potential impacts of the proposed Cascade Renewable Transmission Project (Project) to protected areas in compliance with Oregon Administrative Rule (OAR) 345-022-0040. The Oregon Energy Facility Siting Council (OR EFSC) must find that, taking into account mitigation, the design, construction, and operation of the Project are not likely to result in significant adverse impacts to protected areas.

2 Analysis Area

Pursuant to the Project Order, the analysis area for protected areas is defined as the area within the site boundary and extending 20 miles from portions of the site boundary containing aboveground facility components. The analysis area also includes an area extending 0.25 miles from portions of the site boundary containing buried and in-river facility components, and an area extending 0.25 miles from any downstream area of impact. As indicated in the Fish and Wildlife Habitat Exhibit, based on sediment and flow modelling, suspended sediments resulting from hydroplow operations are anticipated to remain close to the riverbed (12-foot high plume or less) and remain in the water column for 14 minutes for the finer grained material, and less than 1 minute for coarse grained sands. Based on modeling, in the highest velocity (most conservative), fine sand could be transported about 4,000 feet downstream (most conservative) and course sand could be transported approximately 1,000 feet downstream due to hydroplow activities. The site boundary is defined in detail in the Background Information Exhibit. The boundary of the analysis area for protected areas is shown on Figure 1 in Section 9.

3 Protected Areas (OAR 345-022-0040(1) through (4))

(1) To issue a site certificate, the Council must find:

(a) The proposed facility will not be located within the boundaries of a protected area designated on or before the date the application for site certificate or request for amendment was determined to be complete under OAR 345-015-0190 or 345-027-0363;

(b) The design, construction and operation of the facility, taking into account mitigation, are not likely to result in significant adverse impact to a protected area designated on or before the date the application for site certificate or request for amendment was determined to be complete under OAR 345-015-0190 or 345-027-0363.

(2) Notwithstanding section (1)(a), the Council may issue a site certificate for:

(a) A facility that includes a transmission line, natural gas pipeline, or water pipeline located in a protected area, if the Council determines that other reasonable alternative routes or sites have been studied and that the proposed route or site is likely to result in fewer adverse impacts to resources or interests protected by Council standards; or

(b) Surface facilities related to an underground gas storage reservoir that have pipelines and injection, withdrawal or monitoring wells and individual wellhead equipment and pumps

located in a protected area, if the Council determines that other alternative routes or sites have been studied and are unsuitable.

(3) The provisions of section (1) do not apply to:

(a) A transmission line routed within 500 feet of an existing utility right-of-way containing at least one transmission line with a voltage rating of 115 kilovolts or higher; or

(b) A natural gas pipeline routed within 500 feet of an existing utility right of way containing at least one natural gas pipeline of 8 inches or greater diameter that is operated at a pressure of 125 psig.

(4) The Council shall apply the version of this rule adopted under Administrative Order EFSC 1-2007, filed and effective May 15, 2007, to the review of any Application for Site Certificate or Request for Amendment that was determined to be complete under OAR 345-015-0190 or 345-027-0363 before the effective date of this rule. Nothing in this section waives the obligations of the certificate holder and Council to abide by local ordinances, state law, and other rules of the Council for the construction and operation of energy facilities in effect on the date the site certificate or amended site certificate is executed.

RESPONSE

The proposed high-voltage direct current (HVDC) transmission line and related transmission facilities (Facility) does not comply with OAR 345-022-0040(1)(a) because it would be located within the boundaries of the Columbia River Gorge National Scenic Area. Therefore, per OAR 345-022-0040(2)(a), Cascade Renewable Transmission (CRT; Applicant) must demonstrate that "other reasonable alternative routes or sites have been studied and that the proposed route or site is likely to result in fewer adverse impacts to resources or interests protected by Council standards."

As outlined in the Scenic Resource Exhibit, the Applicant does not anticipate significant impacts to the Columbia River Gorge National Scenic Area (CRGNSA), and therefore, believes that the proposed Facility site and route is likely to result in de minimis adverse impacts to resources or interests protected by Council standards. The *Management Plan for the Columbia River Gorge National Scenic Area* (Gorge Commission 2020) exempts Urban Areas from CRGNSA regulations (page 356). The aboveground elements of the Facility are both within National Scenic Area Urban Areas (Portland and The Dalles), and are, therefore, exempt from CRGNSA regulations. The remainder of the Facility components will be located underground or under the bed of the Columbia River and will not be visible.

In addition, the Application evaluated other reasonable routes and sites. Information about the corridor selection assessment process and how the proposed alignment was sited to avoid resources or interests protected by OR EFSC standards, including scenic, natural, cultural, or recreational resources are presented in the Background Information Exhibit. As outlined in the Background Information Exhibit, the Applicant selected the proposed alignment to avoid or minimize disturbing wetlands and waters of the state/U.S., shoreline/riparian areas, woody vegetation, areas with known historical and archeological resources, traditional cultural places and properties, aquatic communities, sensitive fish and benthic habitat, and areas of known sediment contamination. Pre-feasibility studies conducted in 2020 and 2021 considered environmental, physical, and social constraints. In addition to the resources listed above, constraints in the analysis included (but were not limited to) ODFW priority species, man-made infrastructure, in-water work windows, as well as impacts to tribes and local communities. Based upon the pre-feasibility studies, several siting

refinements and adjustments were made to result in fewer environmental, social, and cultural impacts, including:

- Avoiding a stretch of approximately 3 miles east of the Bonneville Lock and Dam due to Indian Tribal fishing areas near the dam and other environmental factors
- Avoiding the historic (pre-dam) shorelines of the Columbia River and moving closer to the navigation channel, where possible
- Eliminating an alternative route that would have exited the river at Broughton beach in Portland, thereby avoiding impacts to that recreational resource
- Eliminating the original route that would have exited the river on the north shore of Hayden Island and traversed an area used for the disposal of dredged materials, thereby avoiding encountering potentially contaminated soils
- Adjusting the corridor to comply with USACE restrictions on the use of its levee situated between the Union Pacific Railroad property and I-84.

The Need for a Facility Exhibit discusses the alternatives suggested in the public comments received in response to the Notice of Intent. The alternatives, and the reasoning for their exclusion, are summarized in Table 1.

Table 1. Excluded alternatives

Proposed Alternative	Reason for Exclusion
Building an overhead transmission line instead of an underwater cable	• Would require the construction of multiple overhead transmission lines to increase energy flows into the Portland area by the same amount as the proposed underwater route • Converter stations must be near the points of interconnection to convert AC power to DC, and DC back to AC. However, co-location of utilities parallel to rights-of-way (ROW) is prohibited and would require additional approvals from Oregon Department of Transportation and the Federal Aviation Administration. • The existing ROWs are owned by other entities and are therefore not available to the Applicant • Presence of physical barriers that would impede the construction of the approximately 100 miles of overhead transmission that would be required • The existing ROWs traverse areas of wildfire risk over the Cascades that the Project is designed to avoid • To avoid routing the overhead transmission line through the Columbia River Gorge National Scenic Area
Burying the HVDC cable along rail ROWs	• Insufficient space along the rail ROWs to safely accommodate the required work • Narrow ROWs would lead to trenching operations interfering with railroad operation • Man-made obstacles, including culverts, overpasses, tunnels, and causeways preventing burial of the cable. Attaching the cable to these structures would require additional analysis • Permission and approval from the railroads to use their ROWs is not guaranteed

Proposed Alternative	Reason for Exclusion
Burying the HVDC cable along 80 miles of SR-14	• About 350 man-made obstacles that would need to be assessed and possibly reinforced • Basalt rock that might require blasting to trench, thereby creating noise and safety concerns • Sheer rock cliffs and little to no constructable shoulder area raises safety concerns • No guarantee that the Washington State Department of Transportation would provide an exemption to the prohibition on the use of linear utilities within a state highway prism • Portions of the route that are susceptible to rockslides could impede cable installation, and in the event of a rockslide, could involve removal of a portion of the installed cable to restore the highway • One of the two highway lanes would need to be closed for cable installation, requiring most or all of the work to be conducted at night • Due to the limitations and potential impediments listed above, a cost or schedule estimate would be nearly impossible and require vast contingences
Solar development in western Oregon and Washington	• The potential for significant solar development to meet the regional requirements in western Oregon and Washington is uneconomic relative to constructing transmission and accessing more economic utility-scale wind and solar east of the Cascades • It is unlikely to be able to meet the need for significant resource capacity expansion given existing land, transmission, and permitting constraints
Offshore wind development along the Oregon coast	• Multiple uncertainties related to quantity, location, timing, cost, federal actions, environmental issues, and transmission of offshore wind facilities means they are unlikely to help meet growing energy demands and public policy requirements
Energy efficiency and conservation to offset the need for additional generation and transmission resources	• Cost effective measures analyzed in Portland General Electric's (PGE) 2023 Clean Energy Plan/Integrated Resource Plan are insufficient to offset the estimated additional transmission needs projected for 2030, 2035, and 2040

By considering the obstacles from the alternatives proposed above, the Applicant has avoided or minimized environmental, physical, and social impacts. For example, by avoiding blasting activities that may have been required along SR 14, the Applicant has avoided risk to construction workers and noise impacts to potentially present wildlife. Furthermore, avoidance of these disruptive activities minimizes the physical, visual, and noise disturbances to protected areas.

The Need for a Facility Exhibit also describes how the Project has considered alternatives based on the Columbia River's Inter-Tribal Fish Commission's (CRITFC's) 2022 Energy Vision. The Applicant believes the Project is consistent with the 43 recommendations in the Energy Vision. The Applicant notes that the Project aligns with the following recommendations:

- By creating a pathway for renewable generation to reach the growing energy load to the greater Portland area.
- Siting the alignment to protect fish and wildlife in the Columbia River Basin.
    - Project impacts will be minor, temporary, and mitigated to the extent necessary.
    - Project operation does not require emissions into the atmosphere or discharges into the water or land.
    - Consumption of water, waste, and wastewater are negligible.

- Minimizes transmission and distribution expansions (Recommendation 36) by providing an east-west path without constructing or expanding additional south-north transmission to overcome existing constraints on the North of Peal flowgate.
- Avoids and minimizes impacts from overhead transmission lines, including visual impacts; impacts to terrestrial habitat, vegetation and species; impacts to directly affected or adjacent property owners; and increased risk of wildfires.

4 Protected Areas Inventory (OAR 345-022-0040(5)(a)(b))

(5) To assist the Council in determining whether the standard outlined in (1) through (4) has been met, the Applicant must submit information about the impacts of the proposed facility on protected areas in the analysis area, providing evidence to support a finding by the Council as required by this rule, including:

(a) A list of all protected areas within the analysis area, identifying:

(A) The distance and direction of the protected area from the proposed facility;

(B) The basis for protection, by reference to a specific subsection under OAR 345-001-0010(26); and

(C) The name, mailing address, phone number, and email address of the land management agency or organization with jurisdiction over the protected area;

(b) A map showing the location of the proposed facility in relation to the protected areas;

RESPONSE

Table 2 lists the protected areas within the analysis area for protected areas, as well as information about each protected area per OAR 345-022-0040(5)(a).

The list of protected areas is based on review of available Geographic Information System (GIS) data and maps for the categories of protected areas listed in OAR 345-001-0010(26).

Table 2 also notes whether the proposed Facility could potentially be visible from each protected area – meaning the protected area is within the "area of potential visibility." For more information about the "area of potential visibility," see the response to OAR 345-022-0040(5)(c)(E) and (F) below.

The protected areas are identified on Figure 3 in Section 9.

Table 2. Protected Areas Inventory and Potential Visibility of the Facilities

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
OAR 345-001-0010(26)(a) National Park or other unit of the National Park System	Fort Vancouver National Historic Site	0.23 miles	Northeast	YES	National Park Service Fort Vancouver National Historic Site 800 Hatheway Road, Bldg. 722 Vancouver, WA 98661 360-816-6230 Hailey_green@nps.gov
	Oregon Trail National Historic Trail	Within Site Boundary	Within Site Boundary	YES	National Park Service National Trails Office Regions 6, 7, 8 1100 Old Santa Fe Trail Santa Fe, NM 87505 505-988-6098 Patrick.malone@nps.gov
	Lewis and Clark National Historic Trail	Within Site Boundary	Within Site Boundary	YES	National Park Service Lewis and Clark NHT 601 Riverfront Dr. Omaha, NE 68102 (402) 661-1804 lecl_information@nps.gov
OAR 345-001-0010(26)(c) National Wilderness Area	Mark O. Hatfield Wilderness	0.18 miles	South	NO	U.S. Forest Service Columbia River Gorge National Scenic Area Office 902 Wasco Avenue, Suite 200 Hood River, OR 97031 (541) 308-1700 SM.FS.R6CRGNSAwfb@usda.gov

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
OAR 345-001-0010(26)(d) Wild, Scenic, or Recreational River included in the National Wild and Scenic River System	Deschutes National Wild and Scenic River	9.2 miles	East	NO	Bureau of Land Management Prineville District Office 3050 N.E. 3rd Street Prineville, OR 97754 (541) 416-6700 BLM_OR_PR_mail@blm.gov
	Tualatin Wild and Scenic River	11.4 miles	Southwest	NO	
	Klickitat Wild and Scenic River (Washington State)	0.05 miles	Northeast	NO	U.S. Forest Service Columbia River Gorge National Scenic Area Office 902 Wasco Avenue, Suite 200 Hood River, OR 97031 (541) 308-1700 SM.FS.R6CRGNSAwfb@usda.gov
	Fifteenmile Creek Wild and Scenic River	16.45 miles	Southwest	NO	U.S. Forest Service Mount Hood National Forest HQ 16400 Champion Way Sandy, OR 97055 (503) 668-1700 SM.FS.R6MtHoodInfo@usda.gov
OAR 345-001-0010(26)(e) National Wildlife Refuge	Franz Lake National Wildlife Refuge (Washington State)	0.19 miles	Northwest	NO	U.S. Fish and Wildlife Service 1849 C Street, NW Washington, DC 20240 1-800-344-WILD (1-800-344-9453) Email publicly unavailable
	Ridgefield National Wildlife Refuge (Washington State)	13.5 miles	North	YES	
	Tualatin River National Wildlife Refuge	14.23 miles	South	NO	
	Government Island Game Management Area	0.74 miles	South	YES	
OAR 345-001-0010(26)(f) National Fish Hatchery	Spring Creek National Fish Hatchery (Washington State)	0.20 miles	North	NO	U.S. Fish and Wildlife Service 1849 C Street, NW Washington, DC 20240 1-800-344-WILD (1-800-344-9453) Email publicly unavailable

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
OAR 345-001-0010(26)(g) National Recreation Area, National Scenic Area, or Special Resources Management Unit	Columbia River Gorge National Scenic Area	Within Site Boundary	Within Site Boundary	YES	U.S. Forest Service Columbia River Gorge National Scenic Area Office 902 Wasco Avenue, Suite 200 Hood River, OR 97031 (541) 308-1700 SM.FS.R6CRGNSAwfb@usda.gov
	Gates of the Columbia River Gorge Special Management Area	Within Site Boundary	Within Site Boundary	YES	
	Rowena Special Management Area	Within Site Boundary	Within Site Boundary	NO	
	Burdoin Mountain Special Management Area (Washington State)	0.12 miles	Northwest	YES	
	Wind Mountain Special Management Area (Washington State)	0.16 miles	North	YES	
	Mount Hood National Recreation Area	12.78 miles	South	NO	U.S. Forest Service Mount Hood National Forest HQ 16400 Champion Way Sandy, OR 97055 (503) 668-1700 SM.FS.R6MtHoodInfo@usda.gov
OAR 345-001-0010(26)(i) Land designated in a federal land management plan or by an act of Congress as: (A) An Area of Critical Environmental Concern; (B) An Outstanding Natural Area; (C) A Research Natural Area; (D) An Experimental Forest or Range; or (E) A Special Interest Area designated for scenic, geologic, botanic, zoologic, paleontological, archaeological, historic, or recreational values, or	Lower Scappoose Eagle Area of Critical Concern [OAR 345-001-0010(26)(i)(A)]	7.44 miles	Northwest	YES	Bureau of Land Management Oregon State Office 1220 SW 3rd Avenue Portland, OR 97204 503-808-6633 rfemling@blm.gov
	Oneonta Gorge Botanical Area – Special Interest Area [OAR 345-001-0010(26)(i)(E)]	0.20 miles	Southeast	NO	U.S. Forest Service Columbia River Gorge National Scenic Area Office 902 Wasco Avenue, Suite 200 Hood River, OR 97031 (541) 308-1700 SM.FS.R6CRGNSAwfb@usda.gov
	Dodson/Warrendale Special Purchase Unit – Special Interest Area [OAR 345-001-0010(26)(i)(E))]	50 feet	South	NO	
	Old Wagon Road Historical Area – Special Interest Area [OAR 345-001-0010(26)(i)(E)]	0.02 miles	South	NO	

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
combinations of these values	Mill Creek Research Natural Area [OAR 345-001-0010(26)(i)(C))]	Mill Creek Ridge Research Natural Area	10.66 miles southwest	YES	U.S. Forest Service Pacific Northwest Research Station 1220 SW 3rd Avenue, Suite 1400 Portland, OR 97204 (503) 808-2100 Email publicly unavailable
OAR 345-001-0010(26)(j) State Park, wayside, corridor, monument, historic, or recreation area under the jurisdiction of the Oregon Parks and Recreation Department	Government Island State Recreation Area	Within Site Boundary	Within Site Boundary	YES	Oregon Parks and Recreation Department 725 Summer Street NE, Suite C Salem, OR 97301 503-986-0707 park.info@oregon.gov
	Deschutes River State Recreation Area	9.03 miles	East	NO	
	Benson State Recreation Area	0.01 miles	South	NO	
	Wyeth State Recreation Area	0.08 miles	South	NO	
	Starvation Creek State Park	0.13 miles	South	NO	
	Mayer State Park	48 feet	South	YES	
	Memaloose State Park	0.03 miles	South	NO	
	Viento State Park	Within Site Boundary	Within Site Boundary	NO	
	Rooster Rock State Park	0.01 miles	South	NO	
	Ainsworth State Park	0.05 miles	South	NO	
	Lindsey Creek State Scenic Corridor	0.09 miles	South	NO	
	Lang Forest State Scenic Corridor	49 feet	South	NO	
	Crown Point State Scenic Corridor	0.08 miles	South	NO	
	Koberg Beach Recreation Site	44 feet	South	NO	
	Lewis and Clark State Recreation Site	1.62 miles	Southwest	YES	
	Dalton Point Recreation Site	0.16 miles	South	NO	
	John B. Yeon Trailhead (Elowah Falls)	28 feet	South	NO	
	Historic Columbia River Highway State Trail	0.14 miles	South	NO	
	Banks-Vernonia State Trail	15.25 miles	West	NO	
	Willamette Stone State Heritage Site	6.68 miles	South	NO	
	Tryon Creek State Natural Area	10.70 miles	South	NO	

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
	Vinzenz Lausmann Memorial State Natural Area	0.12 miles	South	NO	
	Wygant Natural Area & Mitchell Point Trailhead	Within Site Boundary	Within Site Boundary	NO	
	Seneca Fouts Memorial Natural Area	0.09 miles	South	NO	
	McLoughlin Natural Area	0.19 miles	Southeast	NO	
OAR 345-001-0010(k) The Willamette River Greenway	Wapato Access	3.46 miles	Northwest	YES	Oregon Parks and Recreation Department 725 Summer Street NE, Suite C Salem, OR 97301 503-986-0707 park.info@oregon.gov
	Scappoose Landing Willamette River Greenway	12.63 miles	Northwest	NO	
	Oswego Creek Outlet Access	13.45 miles	South	NO	
	Duck Lake Willamette River Greenway	7.42 miles	Northwest	YES	
	OPRD-W03	7.36 miles	Northwest	YES	
	OPRD-W04	5.51 miles	Northwest	NO	
OAR 345-001-0010(26)(l) Natural Area listed in the Oregon Register of Natural Areas	Multnomah Falls Natural Area	0.15 miles	South	NO	U.S. Forest Service Columbia River Gorge National Scenic Area Office 902 Wasco Avenue, Suite 200 Hood River, OR 97031 (541) 308-1700 SM.FS.R6CRGNSAwfb@usda.gov
	Scappoose Bay State Natural Area	12.62 miles	North	NO	Oregon Parks and Recreation Department 725 Summer Street NE, Suite C Salem, OR 97301 503-986-0707 park.info@oregon.gov
	Elowah Falls Natural Area	0.13 miles	South	NO	
	Rowena Plateau Natural Area	0.13 miles	South	NO	
	Squally Point Dunes Natural Area	0.03 miles	West	YES	
	Columbia Oaks Natural Area	0.07 miles	South	NO	
	Flagg Island	0.07 miles	Southwest	NO	Oregon Department of Transportation 355 Capitol Street NE, MS 11 Salem, OR, 97301 1-888-275-6368 Email publicly unavailable
	Gary Island	0.02 miles	South	NO	Multnomah County – Land Use Planning

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
	Chatham Island	0.17 miles	South	NO	John B. Yeon Annex Building 1600 SE 190th Ave Portland, OR, 97233 503.988.3043 land.use.planning@multco.us
	Beggars-Tick Wildlife Refuge	7.31 miles	South	NO	City of Portland Parks and Recreation 1120 SW Fifth Avenue, Suite 858 Portland, OR 97204 503-823-2525 CustomerServiceCenter@portlandoregon.gov
	Killin Wetlands Nature Park	15.79 miles	West	NO	Oregon Metro 600 NE Grand Ave. Portland, OR 97232-2736 503-797-1545 parksandnature@oregonmetro.gov
	Mill Creek Ridge Preserve	4 miles	Southwest	YES	Columbia Land Trust 850 Officers' Row Vancouver, WA 360-696-0131 connect@columbiatrust.org
	Tom McCall Preserve at Rowena	0.07 miles	South	NO	The Nature Conservancy 821 SE 14th Avenue Portland, OR 97214 503-802-8100 oregon@tnc.org
	Camassia Preserve	16.18 miles	South	NO	
OAR 345-001-0010(26)(n) State Scenic Waterway	Deschutes River Oregon State Scenic Waterway	14.75 miles	Southeast	NO	Oregon Parks and Recreation Department 725 Summer Street NE, Suite C Salem, OR 97301 503-986-0707 park.info@oregon.gov
OAR 345-001-0010(26)(o) State Wildlife Refuge or Management Area	Sauvie Island Wildlife Area	3.24 miles	Northwest	YES	Oregon Department of Fish and Wildlife 4034 Fairview Industrial Drive SE Salem, OR 97302 503-947-6000 odfw.info@odfw.oregon.gov
	Lower Deschutes Wildlife Area	9.19 miles	East	NO	
	White River Wildlife Area	17.17 miles	South	NO	
	Crates Point Wildlife Area	0.01 miles	West	YES	
	Palensky Wildlife Area	1.4 miles	Northwest	YES	

Basis for protection under OAR 345-001-0010(26)	Protected Area Name	Closest Distance to Site Boundary	Direction from Site Boundary	Facility within "area of potential visibility" (Yes/No)	Name, mailing address, phone number, and email address of agency with jurisdiction
	Mount Saint Helens-Shillapoo Wildlife Area Complex (Washington side)	2.8 miles	North	YES	Washington Department of Fish and Wildlife 5525 S 11th Street Ridgefield, WA 98642 360-696-3211 teamridgefield@dfw.wa.gov
OAR 345-001-0010(26)(p) A fish hatchery operated by the Oregon Department of Fish and Wildlife	Wahkeena Pond	0.24 miles	South	NO	Oregon Department of Fish and Wildlife 4034 Fairview Industrial Drive SE Salem, OR 97302 503-947-6000 odfw.info@odfw.oregon.gov
OAR 345-001-0010(26)(q) Agricultural experiment station, experimental area, or research center established by Oregon State University	The Food Innovation Center (Portland)	5.33 miles	South	NO	Oregon State University The Food Innovation Center 1207 NW Naito Parkway, Suite 154 Portland, OR 97209 503-872-6680 marcia.walker@oregonstate.edu

5 Potential Impacts (OAR 345-022-0040(5)(c))

(c) A description of significant potential impacts of the proposed facility, if any, on the protected areas including, but not limited to, potential impacts such as:

5.1 Noise Impacts (OAR 345-022-0040(5)(c)(A))

(A) Noise resulting from facility construction or operation;

RESPONSE

The State and Local Laws and Regulations Exhibit provides an assessment of noise resulting from Facility construction and operation. In this analysis, noise is measured in A-weighted decibels (dBA), which represents decibels as heard by the human ear.

During operation, buried and underwater portions of the transmission line are not expected to generate audible noise, so the only noise generated would be from the converter stations and the 500-foot, aboveground transmission line at the eastern converter station. The State and Local Laws and Regulations Exhibit concluded that noise from the Facility's operation would not significantly impact noise-sensitive receptors within 1 mile of the converter stations. The closest protected area to the western converter station is the Sauvie Island Wildlife Area, which is approximately four miles northwest. The closest protected area to the eastern converter station is the Lewis and Clark National Historic Trail, approximately one mile north. While this protected area is on the boundary of anticipated noise impacts, operational noise of the converter station from this distance would not be louder than background levels at this location due to traffic in The Dalles and noise from The Dalles dam. Therefore, the Applicant concludes that protected areas would not be impacted by noise from Facility operation.

As for construction noise, Table 3 lists the estimated combined noise level from the two loudest types of equipment for each aspect of construction.

Table 3. Combined sound pressure level (dBA) of the loudest two equipment types.

Aspect of Construction	dBA at 500 feet (0.10 miles)	dBA at 1,320 feet (0.25 miles)	dBA at 2,640 feet (0.5 miles)	dBA at 5,280 feet (1 mile)
Coffer Dam	79	71	65	59
Converter Station Construction: Site Preparation	69	61	55	49
HDD/HAB	67	59	53	47
Open Trenching	65	57	51	45
Converter Station Construction: Building Construction	65	57	51	45
Converter Station Construction: Installation/Pre-Commissioning	65	56	50	44

To contextualize these noise levels, Table 4 shows the dBA of common noise sources.

Table 4. Noise Source, Sound Level, and Relative Loudness

Noise Source or Activity (distance from source)	Sound Level (dBA)	Relative Loudness (Perception of Different Sound Levels)
Heavy truck or motorcycle (25 feet)	90	2 times as loud
Garbage disposal Food blender (2 feet) Pneumatic drill (50 feet)	80	Reference loudness
Vacuum cleaner (10 feet)	70	1/2 as loud
Passenger car at 65 mph (25 feet)	65	--
Large store air-conditioning unit (20 feet)	60	1/4 as loud
Light auto traffic (100 feet)	50	1/8 as loud
Quiet rural residential area with no activity	45	--
Bedroom or quiet living room Bird calls	40	1/16 as loud
Typical wilderness area	35	--

The construction noise impacts to protected areas would depend on each protected area's distance from the construction site and the type of construction occurring, as illustrated in Table 3. Construction would comply with local requirements related to maximum permissible noise and allowable construction hours. Therefore, construction and operation of the project would not have a significant impact on protected areas.

5.2 Traffic Impacts (OAR 345-022-0040(5)(c)(B))

(B) Increased traffic resulting from facility construction or operation;

RESPONSE

As described in the Public Services Exhibit, the primary routes that would be used for construction activities are on roads, highways, and interstates that already experience moderate to high volumes of traffic. These include roads that are adjacent to protected areas. Because these areas already experience moderate to high traffic, the additional traffic from construction activities is not anticipated to have significant impacts on adjacent protected areas. Furthermore, most Project-related traffic would occur during construction of the converter stations, which do not use roads that intersect or service protected areas. Therefore, traffic is not anticipated to have significant impact on protected areas. The Public Services Exhibit provides additional information on anticipated traffic volumes, peak construction traffic times, potential delays and temporary road closures, and mitigation measures.

After construction, traffic related to Project operation would be minimal, as the Facility is anticipated to employ no more than 12 permanent employees at each converter station and up to 30 temporary employees at each converter station for a 3- to 5-day annual maintenance period. Given the low amount of operational Project traffic travelling routes that do not service projected areas, no adverse impacts to protected areas from project traffic are anticipated.

5.3 Water Use and Wastewater (OAR 345-022-0040(5)(c)(C) and (D))

(C) Water use during facility construction or operation;

RESPONSE

No ground or surface water withdrawals would take place in a protected area or beyond those already permitted for existing water suppliers during construction (see Exhibit O). During Facility operation, water required for bathroom and kitchen facilities at the converter stations would be provided by the City of Portland (western converter station) and a permitted on-site well (eastern converter station). Therefore, water used during construction and operation would not impact water availability or use at protected areas. Water use for Facility construction and operation is discussed further in Exhibit O.

(D) Wastewater disposal resulting from facility construction or operation;

RESPONSE

Per the Waste Minimization Exhibit, during construction, wastewater disposal methods would include the following:

- Concrete wastewater would be washed out into dedicated areas at construction sites. The contractor would determine washout methods.
- Water used for HDD drilling fluid would be allowed to infiltrate into the soil.
- A licensed subcontractor would maintain sanitary wastewater collected on site in portable toilets and dispose of it in accordance with local jurisdictional regulations.

Construction dewatering activities are generally not anticipated; however, if necessary, they would be addressed by the National Pollutant Discharge Elimination System (NPDES) permit. During construction, no wastewater would be discharged into wetlands, streams, or other waterways.

Facility operation would generate a small amount of domestic wastewater; no industrial wastewater would be produced. The western converter station would discharge to the Portland municipal system. It is unknown if the eastern converter station would discharge to a municipal system or require a licensed, on-site septic system.

No protected areas would be impacted by the Facility's wastewater disposal.

5.4 Visual Impacts (OAR 345-022-0040(5)(c)(E) and (F))

(E) Visual impacts of facility structures or plumes, including but not limited to, changes in landscape character or quality; and

(F) Visual impacts from air emissions resulting from facility construction or operation, including, but not limited to, impacts on Class I Areas as described in OAR 340-204-0050.

RESPONSE

To identify potential visual impacts to protected areas, the Applicant conducted a zone of visual influence (ZVI) analysis, using Esri Geographic Information System software. For this analysis, the proposed converter stations and the short segment (about 500 feet) of aboveground high-voltage alternating current (HVAC) cables at the eastern converter station location were assumed to be 60 feet tall (see the Background Information Exhibit).

The "area of potential visibility" shown in the Scenic Resources Exhibit, Figure 3B, represents the estimated area from which proposed aboveground infrastructure could potentially be visible. This is a highly conservative estimate of visibility for two reasons. First, the analysis used a U.S. Geological Survey (USGS) Digital Elevation Model (DEM)[1] that represents a "bare-earth" topographic surface. In practice, views of the proposed development from protected areas would be predominantly blocked by trees, buildings, and other infrastructure as shown in the Scenic Resources Exhibit, Figure 3B. Second, the ZVI model does not account for distance, lighting, weather, and atmospheric attenuation factors that diminish visibility under actual field conditions.

In Table 2, the "Visual Analysis" columns note which protected areas are within the estimated "area of potential visibility." Of 75 protected areas within the analysis area, 21 are within the area of potential visibility.

For the protected areas located within the "area of potential visibility," the Applicant considers visual impacts to be low to none. In practice, views of the proposed development from protected areas would be predominantly blocked by trees, buildings, and other infrastructure. At locations where the proposed development may in fact be visible, the Facility would conform with the character of the existing landscape per the analysis below.

Regarding OAR 345-022-0040(5)(c)(E), the aboveground components would not notably alter the surrounding landscapes and no visual plumes would occur during operation. The western converter station would be built in an industrial area on a parcel that neighbors similar industrial buildings. Similarly, the eastern converter station and aboveground HVAC transmission line would be built on land owned by the Bonneville Power Administration (BPA) that has existing aboveground electrical transmission, substation, and converter station components. The Facility's aboveground infrastructure would conform to and blend with the existing landscape character and quality (see the Scenic Resources Exhibit, Figure 4B).

[1] USGS. 2025. "What is a digital elevation model?" Available at: https://www.usgs.gov/faqs/what-a-digital-elevation-model-dem#:~:text=A%20Digital%20Elevation%20Model%20(DEM)%20is%20a%20representation%20of%20the,derived%20primarily%20from%20topographic%20maps.

Regarding OAR 345-022-0040(5)(c)(F), air emissions and other pollution resulting from construction would be minimal and not limit visibility. During operation, the Facility would not generate air emissions or other pollution that would impact visibility.

In conclusion, the Applicant does not anticipate any significant visual impacts to protected areas.

5.5 Other Impacts

No other impacts to protected areas are anticipated from the Facility.

6 Materials Analysis (OAR 345-022-0040)(d)(A) through (C)

A materials analysis is included in the Soil Protection Exhibit. The materials analysis addresses the following:

(A) An inventory of substantial quantities of industrial materials flowing into and out of the proposed facility during construction and operation;

(B) The applicant's plans to manage hazardous substances during construction and operation, including measures to prevent and contain spills; and

(C) The applicant's plans to manage non-hazardous waste materials during construction and operation.

7 Conclusions

The analysis area contains all or part of 75 protected areas. The Applicant analyzed potential impacts to these areas and concluded as follows:

- Noise. Due to the distance between the protected areas, Facility components, and the estimated noise levels (see the State and Local Laws and Regulations Exhibit), there would be no significant impacts to protected areas from noise generated from Project construction or operation.
- Traffic. Due to the distance between the protected areas, Facility components, and the estimated traffic levels (see the Public Services Exhibit), there would be no significant impacts to protected areas from traffic generated from Project construction or operation.
- Water. The Facility components would not use water sourced from a protected area. Therefore, there would be no significant impacts to protected areas by water use at the Facility.
- Wastewater. The Facility would not discharge wastewater to a protected area. Therefore, there will be no significant impacts to protected areas due to wastewater generated at the Facility.
- Visual. The Facility above-ground components in Portland and the Dalles would potentially be visible from 21 of the 75 protected areas within the analysis area. However, due to the distance from the Facility, topography, and other obstructions such as trees and buildings,

visual impacts to protected areas are considered to be low to none. In areas where the Facility is visible, it would conform with surrounding aboveground infrastructure and blend with the existing landscape character and quality.

8 References

Gorge Commission. 2020. Management Plan for the Columbia River Gorge National Scenic Area. Accessed May 2024: https://www.gorgecommission.org/images/uploads/pdfs/!_Management_Plan_Complete_and_Formatted.pdf

9 Figures

4/9/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR.

FIGURE 1
ANALYSIS AREA

FOR INFORMATION ONLY - CONCEPT DRAWING

- RIVER MILES (USACE)
- OREGON EFSC SITE BOUNDARY
- EXHIBIT L ANALYSIS AREA
- COUNTY BOUNDARY
- STATE BOUNDARY

CASCADE RENEWABLE TRANSMISSION

0 10 mi

1:650,000

FIGURE 2
SPECIAL MANAGEMENT AREAS WITHIN THE ANALYSIS AREA

FOR INFORMATION ONLY - CONCEPT DRAWING

- OREGON EFSC SITE BOUNDARY
- AREA OF POTENTIAL VISIBILITY

SPECIAL MANAGEMENT AREA

- BURDOIN MOUNTAIN SPECIAL MANAGEMENT AREA
- GATES OF THE COLUMBIA RIVER SPECIAL MANAGEMENT AREA
- ROWENA SPECIAL MANAGEMENT AREA
- WIND MOUNTAIN SPECIAL MANAGEMENT AREA
- COLUMBIA RIVER GORGE GENERAL MANAGEMENT AREA
- COUNTY BOUNDARY

Cowlitz County
Yakima County
Skamania County
Klickitat County
Clark County
Wind Mountain Special Management Area
Burdoin Mountain Special Management Area
Stevenson
Hood River
North Bonneville
Rowena Special Management Area
The Dalles
Gates Of The Columbia River Gorge Special Management Area
Columbia River Gorge National Scenic Area
Hood River County
Multnomah County
Gresham
Wasco County
Clackamas County
Sherman County

CASCADE RENEWABLE TRANSMISSION

0 10 mi
1:400,000

4/9/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 1 OF 11

FOR INFORMATION ONLY - CONCEPT DRAWING

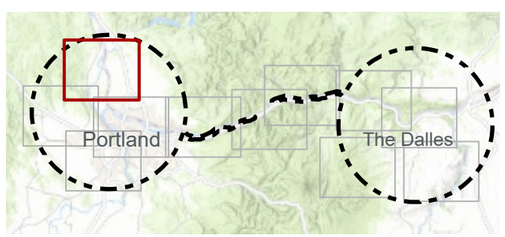
Columbia City
Cowlitz County
St. Helens
Sauvie Island Wildlife Area
Scappoose Bay State Natural Area
Scappoose Landing Willamette River Greenway
Columbia County
Ridgefield National Wildlife Refuge
Clark County
Scappoose
Duck Lake Willamette River Greenway
OPRD-W03 Willamette River Greenway
Washington County
Multnomah County
Lower Scappoose Eagle Area of Critical Concern
Mount Saint Helen's Shillapoo Wildlife Area Complex
Vancouver

- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- AREAS OF CRITICAL ENVIRONMENTAL CONCERN
- NATIONAL WILDLIFE REFUGES
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- WILDLIFE AREA

CASCADE RENEWABLE TRANSMISSION



12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

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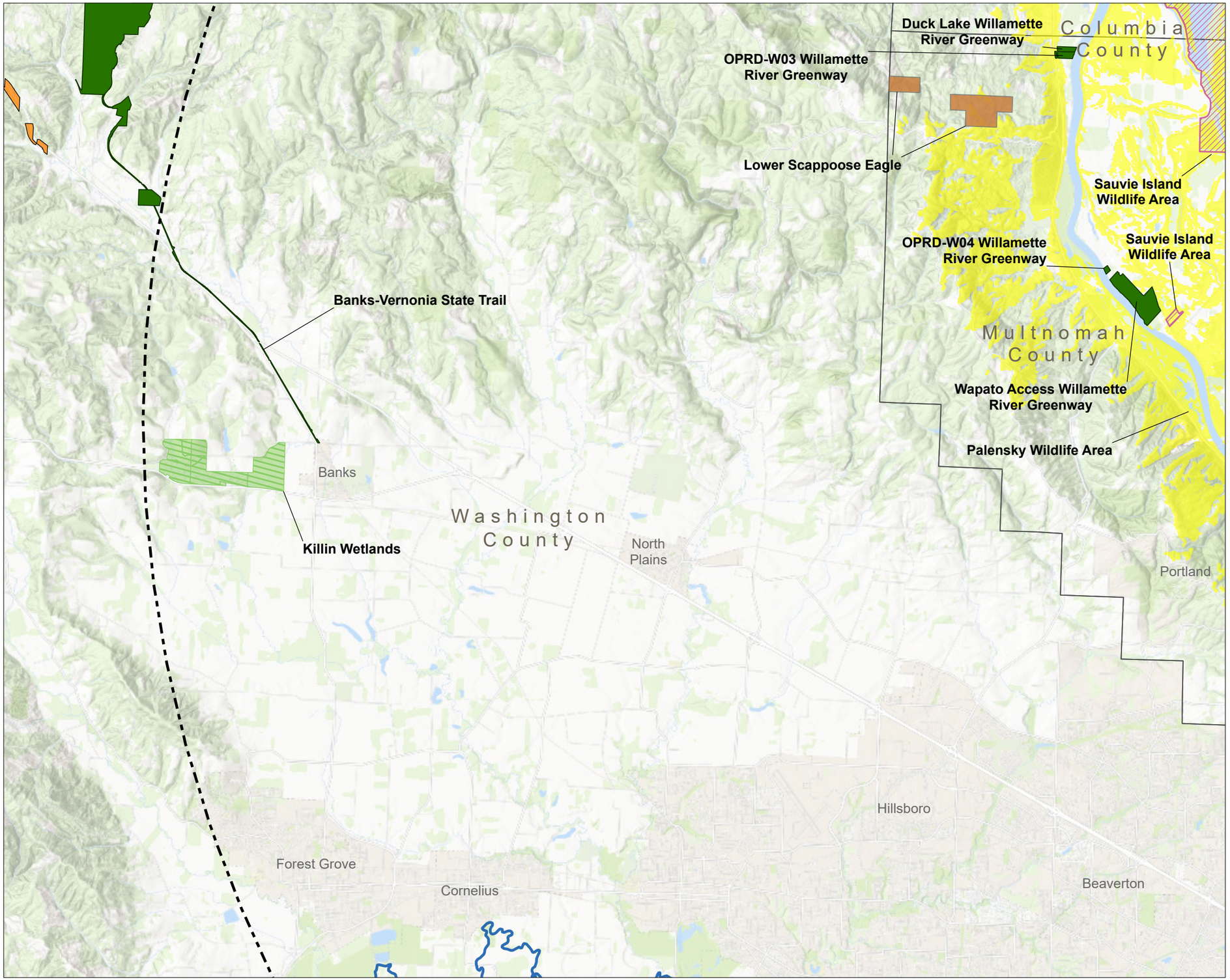
FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 2 OF 11



FOR INFORMATION ONLY - CONCEPT DRAWING

- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- AREAS OF CRITICAL ENVIRONMENTAL CONCERN
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- NATIONAL RECREATION AND SCENIC AREAS
- WILDLIFE AREA

12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

CASCADE RENEWABLE TRANSMISSION

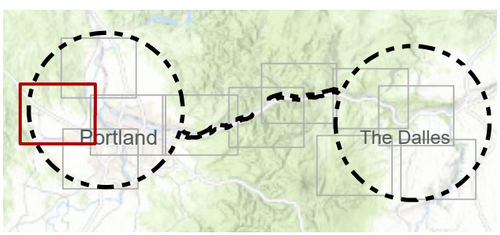


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FIGURE 3
PROTECTED AREAS
WITHIN THE ANALYSIS AREA
PAGE 3 OF 11

FOR INFORMATION ONLY - CONCEPT DRAWING

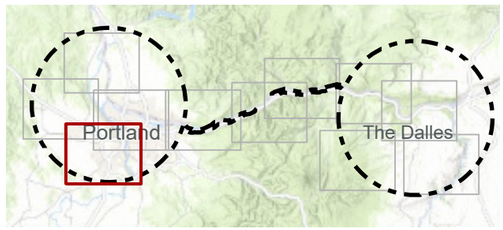
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- AGRICULTURAL EXPERIMENT STATIONS OSU
- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- NATIONAL WILDLIFE REFUGES
- HISTORIC SITE
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- STATE NATURAL HERITIAGE AREA

Hillsboro
Beaverton
Washington County
Tigard
King City
Durham
Tualatin
Sherwood
Yamhill County
Wilsonville
Rivergrove
Lake Oswego
Portland
Multnomah County
Milwaukie
Johnson City
Clackamas County
Gladstone
West Linn
Oregon City
Tualatin River
Tualatin River
The Food Innovation Center
Tryon Creek State Natural Area
Oswego Creek Outlet Access Willamette River Greenway
Tualatin River National Wildlife Refuge
Camassia Preserve

CASCADE RENEWABLE TRANSMISSION



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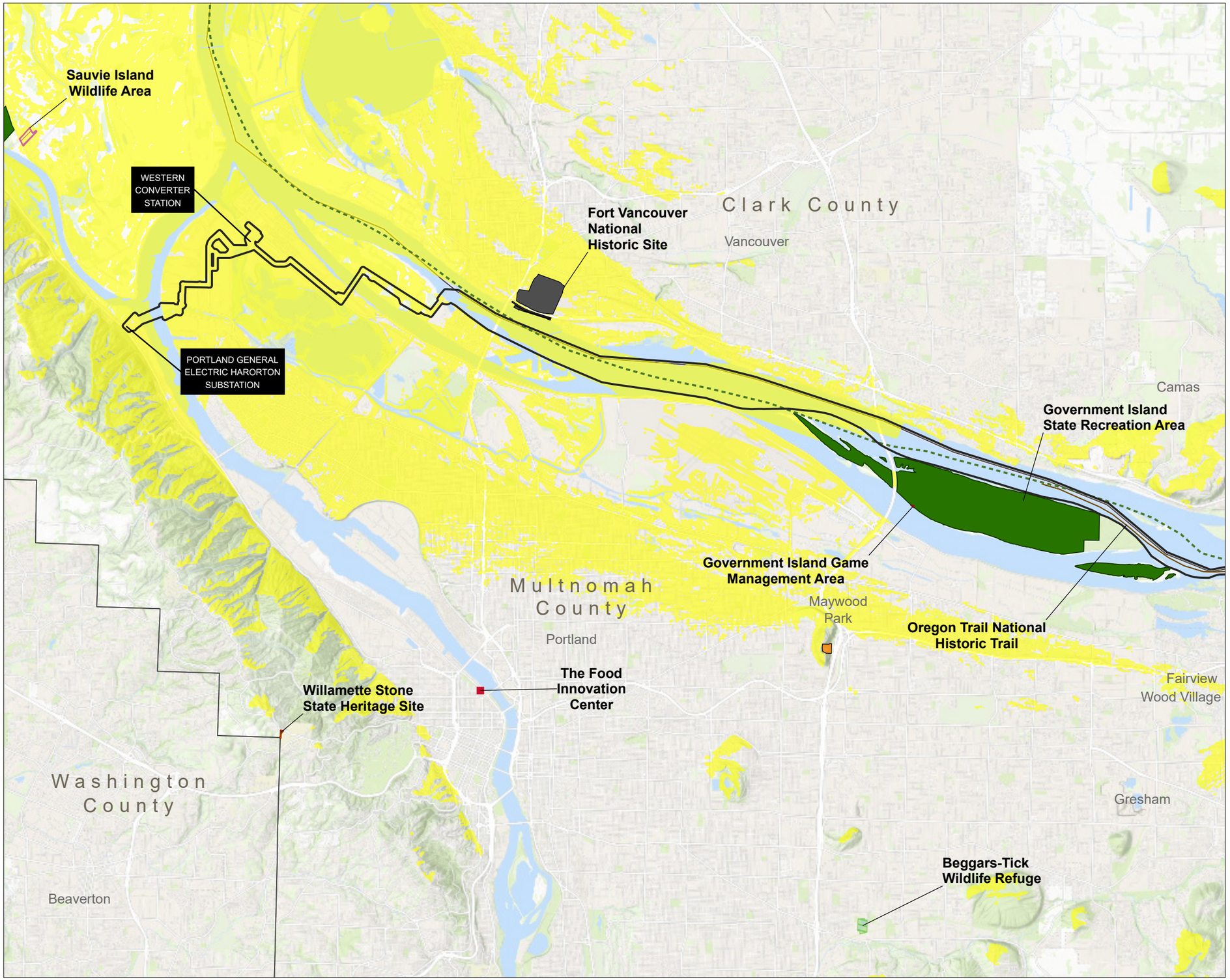
12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 4 OF 11



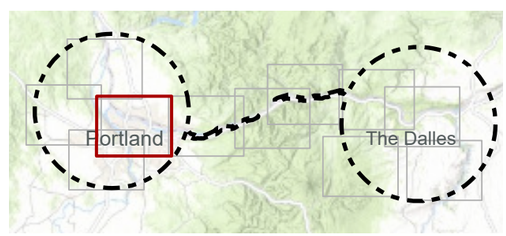
FOR INFORMATION ONLY - CONCEPT DRAWING

- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- AGRICULTURAL EXPERIMENT STATIONS OSU
- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATIONAL WILDLIFE REFUGES
- HISTORIC SITE
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- STATE NATURAL HERITIAGE AREA
- NATIONAL RECREATION AND SCENIC AREAS
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- WILDLIFE AREA

CASCADE RENEWABLE TRANSMISSION



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12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 5 OF 11

FOR INFORMATION ONLY - CONCEPT DRAWING

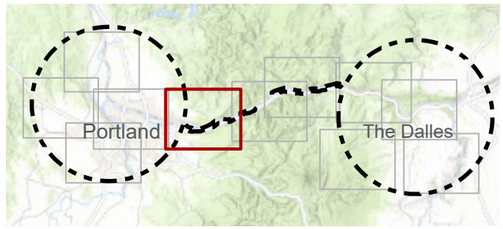
- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- OREGON HATCHERIES
- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATIONAL WILDLIFE REFUGES
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- NATIONAL RECREATION AND SCENIC AREAS
- WILDERNESS AREAS
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- SPECIAL MANAGEMENT AREA
- BOTANICAL AREA

Clark County
Skamania County
Multnomah County
Camas
Washougal
Fairview
Wood Village
Troutdale
Gresham
Columbia River Gorge National Scenic Area
Oregon Trail National Historic Trail
Lewis and Clark National Historic Trail
Lewis and Clark State Recreation Site
Gary Island
Flagg Island
Chatham Island
Sandy River
Crown Point State Scenic Corridor
Crown Point State Scenic Corridor
Franz Lake National Wildlife Refuge
Wahkeena Pond
Oneonta Gorge Botanical Area
Mark O. Hatfield Wilderness
Benson State Natural Area
Dalton Point Recreation Site
Rooster Rock State Park
Multnomah Falls State Natural Area

CASCADE RENEWABLE TRANSMISSION



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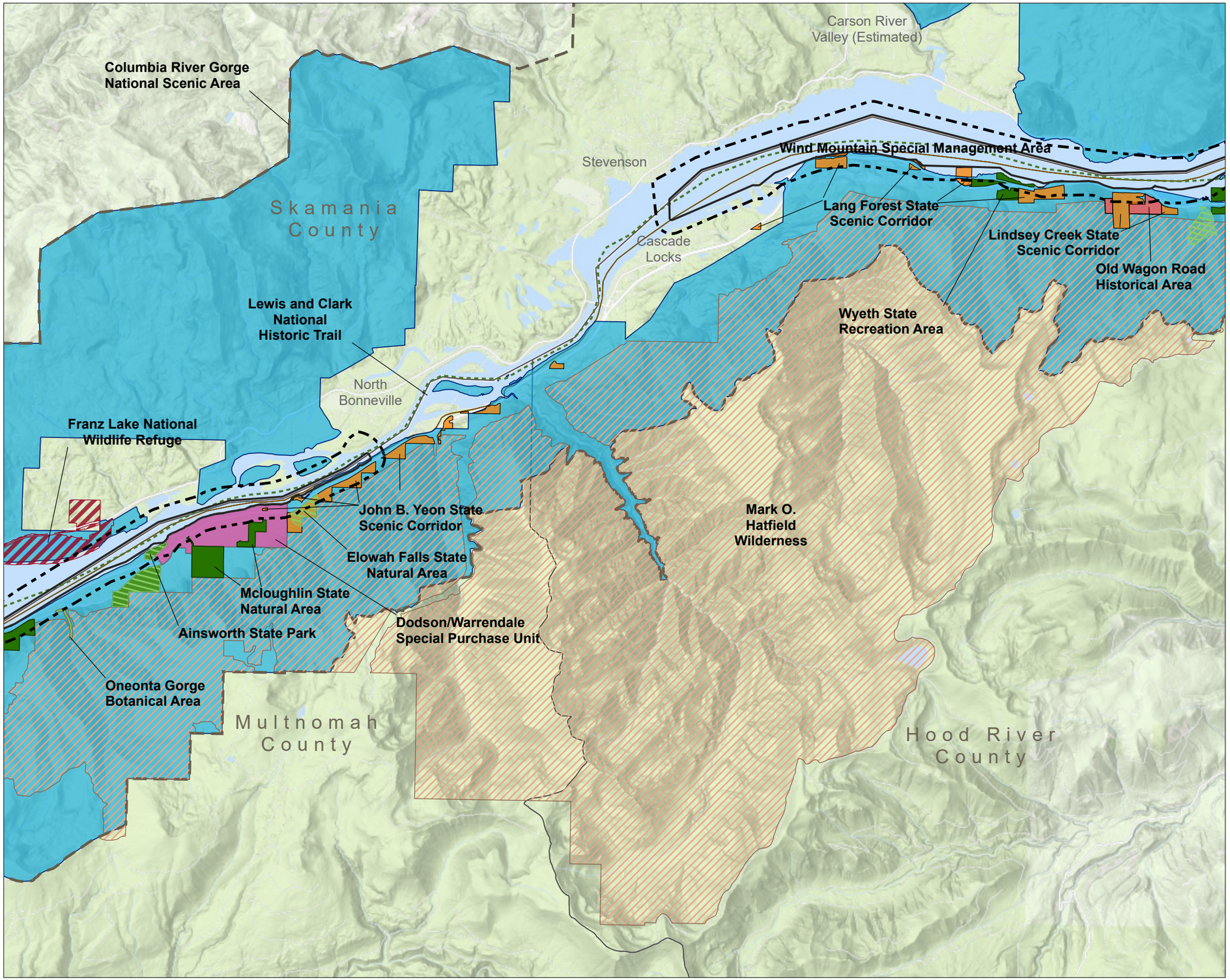
12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 6 OF 11



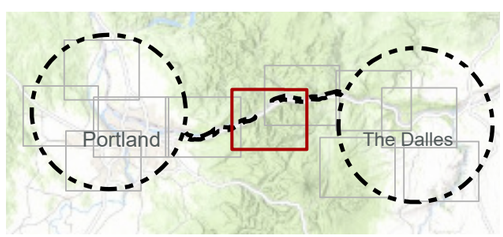
FOR INFORMATION ONLY - CONCEPT DRAWING

- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATIONAL WILDLIFE REFUGES
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- NATIONAL RECREATION AND SCENIC AREAS
- WILDERNESS AREAS
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- SPECIAL MANAGEMENT AREA
- BOTANICAL AREA
- HISTORICAL AREA
- SPECIAL ACQUISITION AREA

CASCADE RENEWABLE TRANSMISSION



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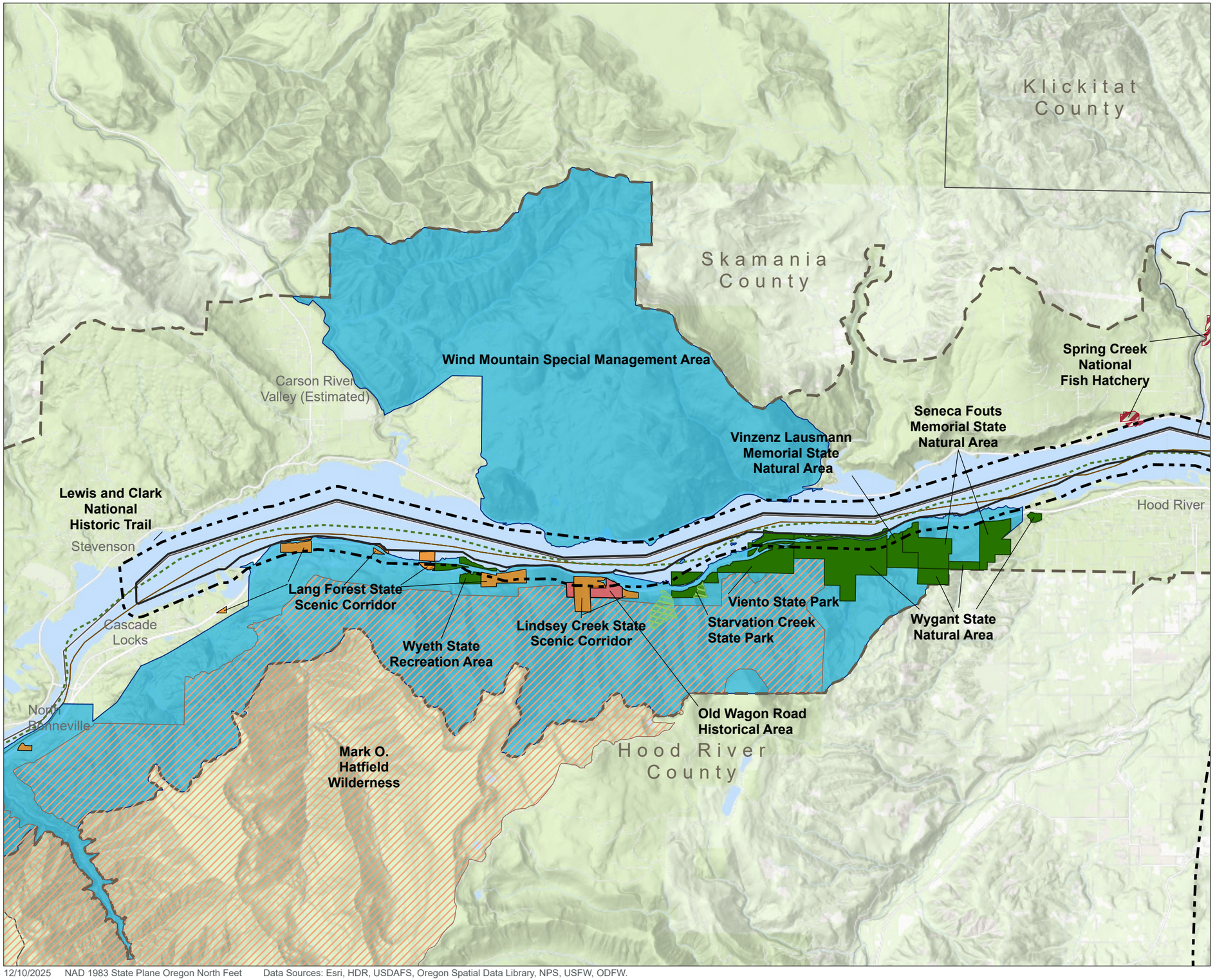
12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS
WITHIN THE ANALYSIS AREA
PAGE 7 OF 11



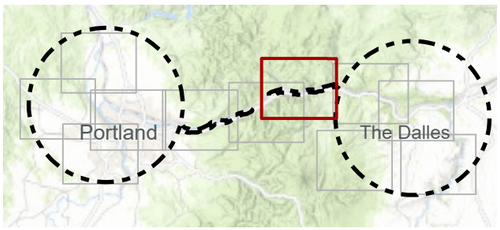
FOR INFORMATION ONLY - CONCEPT DRAWING

- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATIONAL WILDLIFE REFUGES
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- NATIONAL RECREATION AND SCENIC AREAS
- WILDERNESS AREAS
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- SPECIAL MANAGEMENT AREA
- HISTORICAL AREA

CASCADE RENEWABLE TRANSMISSION



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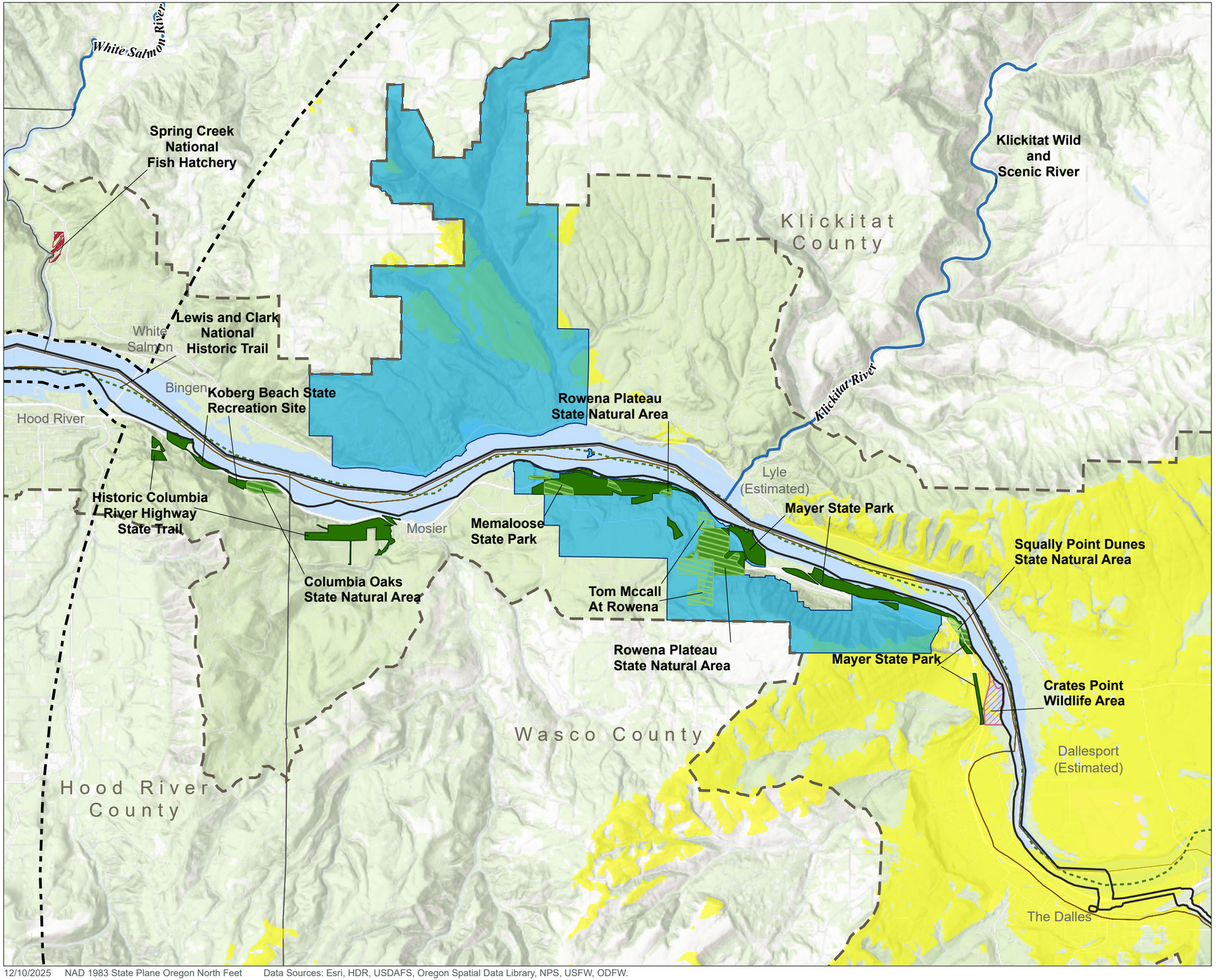
12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 8 OF 11



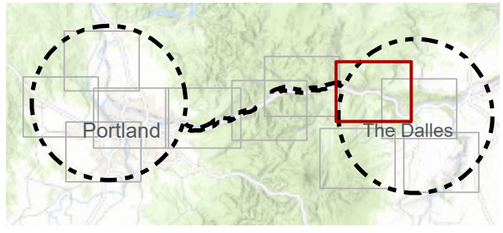
FOR INFORMATION ONLY - CONCEPT DRAWING

- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATIONAL WILDLIFE REFUGES
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- SPECIAL MANAGEMENT AREA
- WILDLIFE AREA

CASCADE RENEWABLE TRANSMISSION



12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

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FIGURE 3
PROTECTED AREAS WITHIN THE ANALYSIS AREA
PAGE 9 OF 11

FOR INFORMATION ONLY - CONCEPT DRAWING

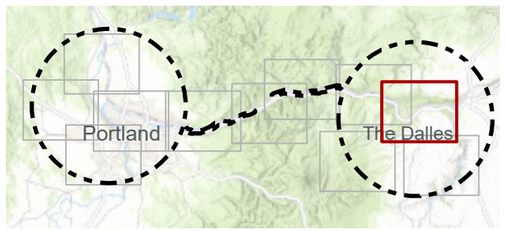
Klickitat Wild and Scenic River
Klickitat River
Klickitat County
Lyle (Estimated)
Mayer State Park
Squally Point Dunes State Natural Area
Mayer State Park
Crates Point Wildlife Area
Dallesport (Estimated)
Lewis and Clark National Historic Trail
The Dalles
Lewis and Clark National Historic Trail
BPA BIG EDDY SUBSTATION
EASTERN CONVERTER STATION
Sherman County
Deschutes River State Recreation Area
Deschutes Wild and Scenic River
Lower Deschutes River
Lower Deschutes Wildlife Area
Wasco County
Mill Creek Ridge Preserve

- OREGON EFSC SITE BOUNDARY
- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- LEWIS AND CLARK NATIONAL HISTORIC TRAIL
- NATURAL AREAS
- STATE PARKS AND WAYSIDES
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- OREGON TRAIL NATIONAL HISTORIC TRAIL
- SPECIAL MANAGEMENT AREA
- WILDLIFE AREA

CASCADE RENEWABLE TRANSMISSION



12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

HDR

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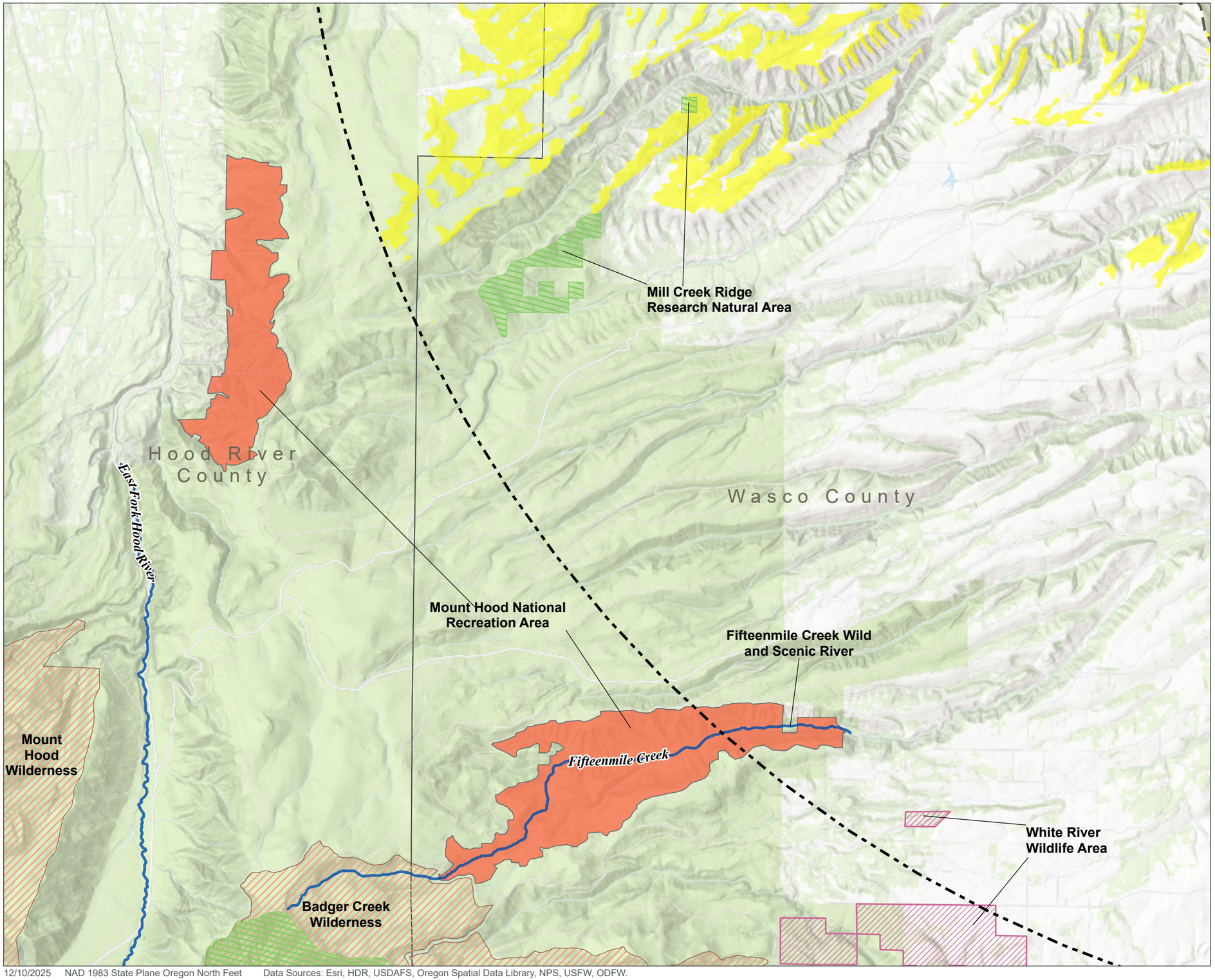
FIGURE 3
PROTECTED AREAS
WITHIN THE ANALYSIS AREA
PAGE 10 OF 11



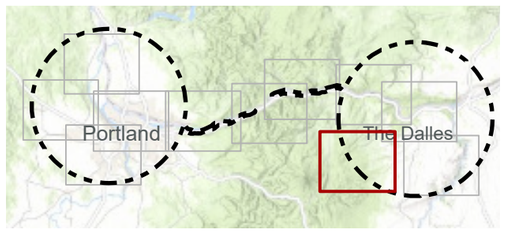
FOR INFORMATION ONLY - CONCEPT DRAWING

- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- NATURAL AREAS
- WILDERNESS AREAS
- COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
- NATIONAL RECREATION AREA
- WILDLIFE AREA

CASCADE RENEWABLE TRANSMISSION



12/10/2025 NAD 1983 State Plane Oregon North Feet Data Sources: Esri, HDR, USDAFS, Oregon Spatial Data Library, NPS, USFW, ODFW.

0 2 mi

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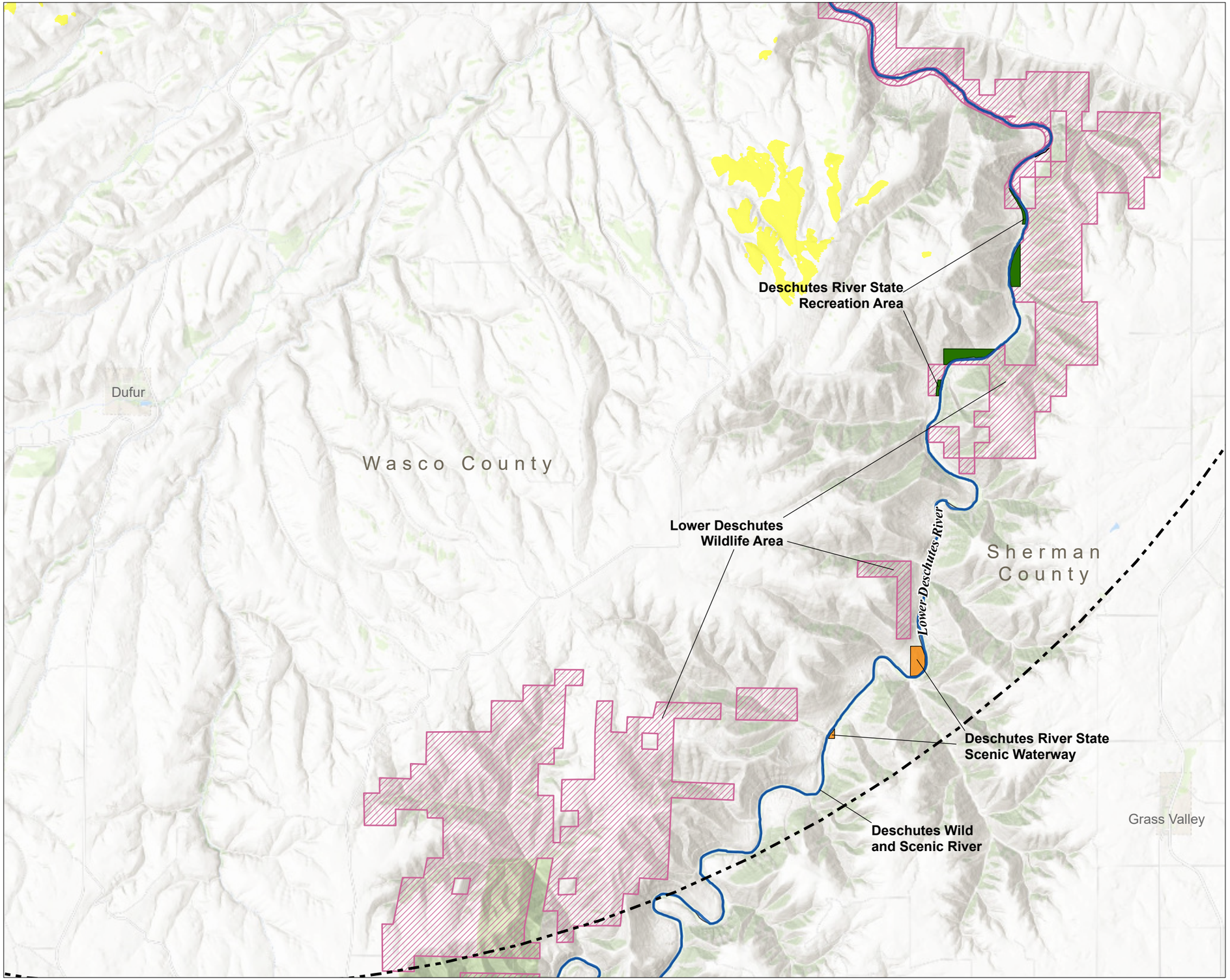
FIGURE 3
PROTECTED AREAS
WITHIN THE ANALYSIS AREA
PAGE 11 OF 11

FOR INFORMATION ONLY - CONCEPT DRAWING

- COUNTY BOUNDARY
- EXHIBIT L ANALYSIS AREA
- AREA OF POTENTIAL VISIBILITY

PROTECTED AREAS

- SCENIC WATERWAYS/ WILD AND SCENIC RIVERS
- STATE PARKS AND WAYSIDES
- NATIONAL RECREATION AND SCENIC AREAS
- WILDLIFE AREA



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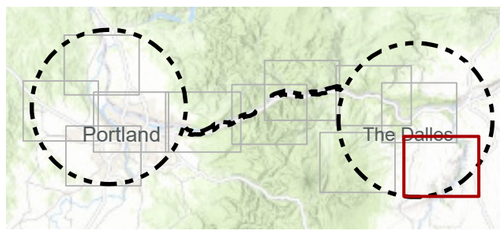
CASCADE RENEWABLE TRANSMISSION



HDR

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