

U.S. Department of the Interior
Bureau of Land Management (BLM)
Determination of NEPA Adequacy (DNA)

Office: Salem District BLM, Cascades Resource Area

Tracking Number: DOI-BLM-OR-S040-2014-0007-DNA

Case file/Project Number: N/A

Proposed Action Title/Type: 2016 Cascades Recreation Site Hazard Tree Removal

Location/Legal Description:

- T.09S.,R.02E.,Section 25, 26 – Fisherman’s Bend Recreation Site
- T.09S.,R.03E.,Section 07 – Canyon Creek Recreation Site
- T.09S.,R.03E.,Section 09 – Elkhorn Valley Recreation Site
- T.06S.,R.03E.,Sections 07, 18-19, 30-32, & T.07S.,R.03E.,Sections 06-08, 14-17 – Molalla River Corridor and Campgrounds

Applicant (if any):

A. Description of the Proposed Action and any applicable Project Design Features

- The Proposed Action includes the cutting and removal of dead, dying or diseased trees, which are considered hazardous to public safety, property, and recreation site facilities and operations. Hazard trees will be cut and removed in a method that minimizes ground and vegetation disturbance. Existing blown down trees may be removed to further reduce fire risk, potential for spread of diseases, potential theft of wood products, or reduce hazards to the public. Disposal of cut hazard trees will vary depending on site logistics, resources available, timing-specific considerations, and funding limitations. Hazard trees could be disposed by retention at the recreation site as firewood, sold as firewood or saw logs, or used as part of an in-stream large woody debris project.
- Tree removal will follow Project Design Features and Aquatic Conservation Strategies as defined within the 2013 Hazard Tree Management Categorical Exclusion: DOI-BLM-OR-S040-2013-0002-CX.
- When the date of the operation is determined, warning signs will be posted at the park entrance and anywhere where fees are collected one week in advance of the tree cutting, unless deemed an immediate safety hazard.
- Areas where tree cutting occurs will be monitored with a spotter and/or posted with danger signs at the time of the cutting.
- All Personal Protective Equipment (PPE) will be in place for all employees completing the cutting prior to commencement.

B. Land Use Plan (LUP) Conformance

LUP Name: Salem District Record of Decision and Resource Management Plan (1995 RMP)

Date Approved: March 1995

Date Amended: January 2001 by the *Record of Decision for Amendments to the Survey and Manage, Protection Buffer, and Other Mitigation Measures Standards and Guidelines*, dated January 2001 (SM/ROD) with subsequent Annual Species Reviews. These actions comply with the SM/ROD as described above and utilize the December 2003 species list. This list incorporates species changes and removals made as a result of the 2001, 2002, and 2003 Annual Species Reviews (ASR) with the exception of the red tree vole. For the red tree vole, the Ninth Circuit Court of Appeals in *KSWC et al. v. Boody et al.*, 468 F.3d 549 (9th Cir. 2006) vacated the category change and removal of the red tree vole in the mesic zone, and returned the red tree vole to its status as existed in the 2001 ROD Standards and Guidelines, which makes the species Category C throughout its range.

The proposed action is in conformance with the applicable LUP because it is specifically provided for in the following LUP decisions:

- 1995 RMP p. 42 – remove hazard trees along trail and in developed recreation sites;
- 1995 RMP p. 43 – manage timber within developed recreation sites for purposes of removing hazard trees; and
- 1995 RMP p. 44 – for other recreation areas salvage dead and dying trees or remove hazard trees.

C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the proposed action.

The Cascades Resource Area (RA) Recreation Site and Area Hazard Tree Management Categorical Exclusion (CX), DOI-BLM-OR-S040-2013-0002-CX, covers the proposed action

D. NEPA Adequacy Criteria

1. Is the new proposed action a feature of, or essentially similar to, an alternative analyzed in the existing NEPA document(s)?

- Yes, the proposed action is a feature of the Cascades RA CX for Recreation Site and Area Hazard Tree Management (please see DOI-BLM-OR-S040-2013-0002-CX).

2. Is the project within the same analysis area, or if the project location is different, are the geographic and resource conditions sufficiently similar to those analyzed in the existing NEPA document(s)?

- Yes, the proposed action location was analyzed under the Cascades RA CX for Recreation Site and Area Hazard Tree Management. The CX analyzed thirteen Recreation sites and areas where hazard tree removal can occur. The proposed action will be implemented in four of the thirteen analyzed sites and areas (please see DOI-BLM-OR-S040-2013-0002-CX).

3. If there are differences, can you explain why they are not substantial?

- There are no differences between the proposed action and the Cascades RA CX

for Recreation Site and Area Hazard Tree Management (please see DOI-BLM-OR-S040-2013-0002-CX).

- 4. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the new proposed action, given current environmental concerns, interests, and resource values?**
 - Yes, there are no differences between the current environmental concerns, interests, and resource values since the Cascades RA CX for Recreation Site and Area Hazard Tree Management was completed (please see DOI-BLM-OR-S040-2013-0002-CX).

- 5. Is the existing analysis valid in light of any new information or circumstances (such as, rangeland health standard assessment, recent endangered species listings, and updated lists of BLM-sensitive species)?**
 - Yes, the existing analysis is still valid and no new information or circumstances has occurred within the analysis area (please see DOI-BLM-OR-S040-2013-0002-CX).

- 6. Can you reasonably conclude that new information and new circumstances would not substantially change the analysis of the new proposed action?**
 - Yes, there is no new information or circumstances within the analysis area, so there is no change in the analysis.

- 7. Are the direct, indirect, and cumulative effects that would result from implementation of the new proposed action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document?**
 - Yes, all effects from implementation of the proposed action are similar to those effects disclosed in the Cascades RA CX for Recreation Site and Area Hazard Tree Management (please see DOI-BLM-OR-S040-2013-0002-CX).

- 8. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?**
 - Yes, the proposed action will not require any additional public involvement or interagency review other than that associated with the Cascades RA CX for Recreation Site and Area Hazard Tree Management (please see DOI-BLM-OR-S040-2013-0002-CX).

E. Persons/Agencies /BLM Staff Consulted

Review Required	Review Not Required	Resource	Name	Initial
x		Aquatic/Fisheries	Bruce Zoellick	BZ 2/22/16
x		Botany	Terry Fennell	TF 2/22/16
x		Hydrology/Soils	Patrick Hawe	WPH/2/22/16
x		NEPA Compliance	Whitney Wirthlin	WW 2/21/16
x		NRSA	Belle Smith	BS 2-23-16
x		Recreation	Traci Meredith	TM 2/22/2016
x		Timber Resources	Jim LeComte	JL 23 Feb 2016
	x	Engineering	Dan Nevin	DN 2/22/16
x		Invasive/Non-Native	Heidi Christensen	HC 2/22/16
x		Silviculture	Seth Macalady	SM 2/22/16
x		Wildlife	Corbin Murphy	CM 2/22/16

Conclusion:

Based on the review documented above, I conclude that this proposal conforms to the applicable land use plan and that the NEPA documentation fully covers the proposed action and constitutes BLM's compliance with the requirements of the NEPA.

Steve G Balm 2/29/16

Signature of Project Lead

[Handwritten Signature]

Signature of NEPA Coordinator

[Handwritten Signature]

Signature of the Responsible Official

2/26/16
Date

Note: The signed Conclusion on this Worksheet is part of an interim step in the BLM's internal decision process and does not constitute an appealable decision. However, the lease, permit, or other authorization based on this DNA is subject to protest or appeal under 43 CFR Part 4 and the program-specific regulations.

Project Description:

- Fisherman's Bend: **117 trees to be removed or topped.**
- Canyon Creek: **3 trees to be removed.**
- Elk Horn: **51 trees to be removed or topped.**
- Molalla Corridor: **33 trees to be removed.**

Total trees to be removed or topped: ~204*

* - Additional trees may be removed for safety concerns in order to facilitate identified hazard tree removal during implementation. Additional trees will be treated using the same PDFs identified within the CX.

Categorical Exclusion Documentation Format When Using Categorical Exclusions Not Established by Statute and Decision Record

A. Background

BLM Office: Cascades Resource Area

Categorical Exclusion Number: DOI-BLM-OR-S040-2013-0002-CX

Date: 3/14/2013

Proposed Action Title/Type: Recreation Site and Area Hazard Tree Management

Location of Proposed Action: All Developed Recreation Sites and Recreation Corridors in Cascades Resource Area within Clackamas, Linn, Marion, and Multnomah Counties.

Land Use Allocation(s): Recreation Sites, General Forest Management Area, Connectivity, Late Successional Reserves, Riparian Reserves, and Administrative Withdrawn

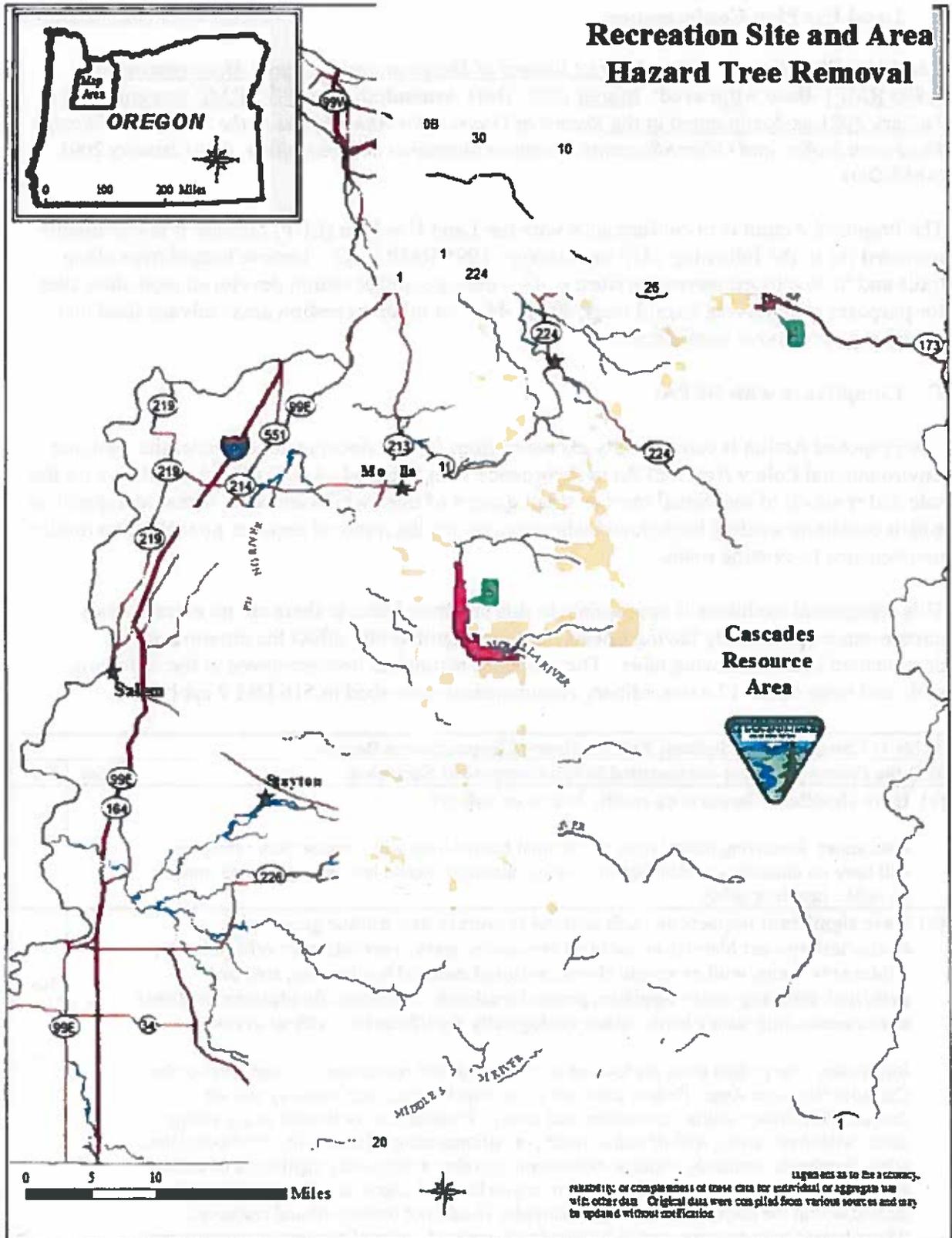
Description of Proposed Action: Each year certified Bureau of Land Management (BLM) staff conduct hazard tree assessments at each recreation site/area, a process where trees are identified for further evaluation, monitoring, or removal. This project entails the cutting and potential removal or disposal of selected trees with damage, disease, or some other characteristic identified as a hazard to public safety, property, or BLM facilities and infrastructure. Care will be taken during the removal process to minimize ground and vegetation disturbance. Existing blown down trees may be removed to further reduce fire risk, potential for spread of diseases, potential theft of wood products, or reduce hazards to public safety.

Disposal of cut hazard trees will vary depending on site logistics, resource, timing-specific considerations, and funding limitations. Disposal options include, but are not limited to: retention at the recreation site as firewood, selling as firewood or saw logs, or use as part of an in-stream large woody debris project.

Location of Recreation Sites and Areas

1. **Larch Mountain Environmental Education Site** – T1S, R5E, Section 3
2. **Marmot Recreation Site** – T2S, R5E, Section 13
3. **Sandy Ridge Trailhead** – T2S, R6E, Section 23
4. **Wildwood Recreation Site** – T2S, R7E, Section 31
5. **Molalla River Corridor and Campgrounds** – T6S, R3E, Sections 7, 18-19, 30-32 and T7S, R3E, Sections 6-8, 14-17
6. **Aquila Vista Environmental Education Site** – T7S, R3E, Sections 6-7

7. Canyon Creek Recreation Site – T9S, R3E, Section 7
8. Elkhorn Valley Recreation Site – T9S, R3E, Section 9
9. Fishermen's Bend Recreation Site – T9S, R2E, Sections 25-26
10. Yellowbottom Recreation Site – T11S, R4E, Section 19
11. Old Miner's Meadow Group Use Site – T11S, R4E, Section 29
12. Quartzville Creek Recreation Corridor and Dispersed Campsites – T11S, R3E, Sections 24-35, T11S, R4 E, Sections 19-21 and 28-30, and T12S, R3E, Sections 2-3 and 10
13. Dogwood Recreation Site – T12S, R3E, Section 3



B. Land Use Plan Conformance:

Land Use Plan Name: Salem District Record of Decision and Resource Management Plan (1995 RMP) **Date Approved:** March 1995 **Date Amended:** The 1995 RMP was amended in January 2001 as documented in the Record of Decision for Amendments to the Survey and Manage, Protection Buffer, and Other Mitigation Measures Standards and Guidelines, dated January 2001 (SM/ROD).

The Proposed Action is in conformance with the Land Use Plan (LUP) because it is specifically provided for in the following LUP decision(s): 1995 RMP p. 42 – remove hazard trees along trails and in developed recreation sites; p. 43 – manage timber within developed recreation sites for purposes of removing hazard trees; and p. 44 – for other recreation areas salvage dead and dying trees or remove hazard trees.

C. Compliance with NEPA:

The Proposed Action is categorically excluded from further documentation under the National Environmental Policy Act (NEPA) in accordance with 516 DM 11.9, C (2), which allows for the sale and removal of individual trees or small groups of trees which are dead, diseased, injured, or which constitute a safety hazard, and where access for the removal requires no more than routine maintenance to existing roads.

This categorical exclusion is appropriate in this situation because there are no extraordinary circumstances potentially having effects that may significantly affect the environment as documented in the following table. The proposed action has been reviewed in the following table and none of the 12 extraordinary circumstances described in 516 DM 2 apply.

Table 1: Categorical Exclusions: Extraordinary Circumstances Review		
Will the Proposed Action documented in this Categorical Exclusion	Yes	No
<p>(a) Have significant impacts on public health or safety?</p> <p>Rationale: Removing hazard trees or potential hazard trees will increase park safety and will have no impacts on public health or safety therefore would have no significant impacts on public health or safety.</p>		No
<p>(b) Have significant impacts on such natural resources and unique geographic characteristics as: historic or cultural resources, park, recreation or refuge lands, wilderness areas, wild or scenic rivers, national natural landmarks, sole or principal drinking water aquifers, prime farmlands, wetlands, floodplains, national monuments, migratory birds, other ecologically significant or critical areas?</p> <p>Rationale: The project areas are located within designated recreation sites and areas of the Cascades Resource Area. Project activities are of small context and intensity and are designed to enhance visitor experiences and safety. Projects are not located in any refuge lands, wilderness areas, wild or scenic rivers, or national natural landmarks. No floodplains, prime farmlands, wetlands, national monuments, or other ecologically significant or critical areas are present in the project areas. There are no known historic or cultural resources located within the project areas. Project activities should not impact cultural resources. Where hazard trees are proposed to be felled and removed, cultural resource inventories may be prescribed prior to implementation pending the review of the cultural resource specialist.</p>		No

Table 1: Categorical Exclusions: Extraordinary Circumstances Review		
Will the Proposed Action documented in this Categorical Exclusion	Yes	No
<p>(c) Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA section 102(2) (E)]?</p> <p>Rationale: The effects of the proposed action are not controversial and there are no unresolved conflicts concerning alternative uses of available resources. Past experience has shown that the environmental effects of the proposed project are not highly controversial. The ROD/RMP established the land use allocation and goals for the affected lands. As such, there is no unresolved conflict regarding other uses of these resources.</p>		No
<p>(d) Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?</p> <p>Rationale: Cutting and removing hazard trees within recreation sites and areas is not unique or unusual. The BLM has experience implementing similar actions in similar areas without highly controversial, highly uncertain, or unique or unknown risks.</p>		No
<p>(e) Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?</p> <p>Rationale: The proposed project is authorized under the existing ROD/RMP, and as such, this project represents implementation of that land use plan decision and does not set a precedent for future actions that may have significant effects, nor does it represent a decision in principle about a future consideration. See (d), above.</p>		No
<p>(f) Have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects?</p> <p>Rationale: There are no cumulative effects associated with the proposed project. The number of trees potentially removed would not result in a cumulatively significant effect or have a direct relationship to other actions that would lead to cumulatively significant effects; therefore there are no significant cumulative effects as a result of these actions.</p>		No
<p>(g) Have significant impacts on properties listed or eligible for listing, on the National Register of Historic Places (NRHP) as determined by either the bureau or office?</p> <p>Rationale: There are no eligible or listed properties identified within the project areas. Ground disturbing activities would be minimal. Effects to cultural resources are not expected given that only minimal ground disturbing activity would occur and appropriate project design features will avoid impacts. Trees to be removed are in recreation sites already disturbed by development and recreation use activities. Where hazard trees are proposed to be felled and removed, cultural resource inventories may be prescribed prior to implementation pending the review of the cultural resource specialist.</p>		No
<p>(h) Have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened (T/E) Species, or have significant impacts on designated Critical Habitat for these species?</p> <p>Rationale: Given the small scale of individual tree removal, effects to T/E species within developed recreation sites and areas are not expected. Botany: There are no known sites of any T/E species within developed recreation sites and areas. Fish: The project is a "May Affect" on LCR Coho Salmon, LCR Spring Chinook, LCR Steelhead trout, UWR Spring Chinook Salmon, and UWR Steelhead trout. The "May Affect" determination is based on the proximity of listed fish and designated critical habitat to potential impacts from hazard tree management. Compliance with guidance described in "Endangered Species Act</p>		No

Table 1: Categorical Exclusions: Extraordinary Circumstances Review		
Will the Proposed Action documented in this Categorical Exclusion	Yes	No
<p>Programmatic Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Programmatic Activities of USDA Forest Service, USDI Bureau of Land Management, and Coquille Indian Tribe in Western Oregon" (NMFS 2010/02700) provides consultation coverage for "May Affect" actions. Wildlife: Disturbance is below ambient noise levels and no habitat modification will occur given that relatively few individual trees will be removed, and due to their location in high use recreation sites and areas. Proposed action would have no effect on any T&E or Bureau Special Status wildlife at recreation sites or areas.</p>		
<p>(i) Violate a Federal law, or a State, local, or tribal law or requirement imposed for the protection of the environment?</p> <p>Rationale: The proposed project is in conformance with direction given for the management of public lands in the Salem District ROD/RMP, which complies with all applicable laws such as the Federal, State, or local or Tribal laws or requirements imposed for the protection of the environment. Past experience from this type of action does not violate any laws imposed for the protection of the environment.</p>		No
<p>(j) Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898)?</p> <p>Rationale: The project is not anticipated to have disproportionately high and adverse human health or environmental effects on minority populations and low-income populations.</p>		No
<p>(k) Limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007)?</p> <p>Rationale: Minimal if any new ground disturbance is anticipated. Past actions within recreation sites and areas have not resulted in tribal identification of concerns.</p>		No
<p>(l) Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?</p> <p>Rationale: The risk rating for the long-term establishment of noxious weeds through the implementation of this project is low because: a) the project areas are limited in size, b) the project areas will be monitored for the establishment of noxious weed species, c) the resource area has a weed management plan in place which allows for control of non-native and noxious weed species and d) the Authorized Officer may require sowing grass seed on mineral soil areas which would reduce the amount of potential noxious weed habitat. Only minimal ground disturbance would occur and no effect is expected, either positive or negative, on invasive/nonnative species.</p>		No

I considered and reviewed the effects of the following additional elements of the environment required by management direction. Table 2 shows the effects of the proposed action on these elements of the environment.

Elements of the Environment	Status: Not Present, Not Affected, or Affected	Remarks
Aquatic Conservation Strategy	Not Affected	Given the small scale of disturbance associated with removing individual trees within recreation sites and areas, effects are not expected.
Energy (Executive Order 13212)	Not Affected	There is no known energy resources located in the project areas. The removal of hazard trees will have no adverse effect on energy development, production, supply and/or distribution.
Essential Fish Habitat (Magnuson-Stevens Fisheries Cons. /Mgt. Act)	Not Affected	The removal of hazard trees will have no effect on Essential Fish Habitat or Magnuson-Stevens Act species because no activities that could alter aquatic habitat are proposed.
Hazardous or Solid Wastes	Not present	No hazardous or solid wastes are on the lands proposed for hazard tree removal. No hazardous or solid wastes would be produced by the proposed action.
Special Status (except T/E) or other rare or uncommon species/habitat	Not Affected	There are no known Special Status Species sites, and no habitat modification would occur. Given the small scale of individual tree removal, effects to Special Status Species are not expected, but should any concerns be identified as part of the annual review process, they would be addressed on a site specific basis. For hazard trees that can be left as snags or CWD, this habitat component would be enhanced.

Project Design Features

- Prior to cutting, a Recreation Hazard Tree Removal Review Documentation (Attachment 1) and map which summarizes the species, size, and location of hazard trees identified for removal would be prepared for interdisciplinary team review annually or upon each instance of using this CX. This process will notify specialists of tree availability for potential usage in their program's projects.
- If all safety concerns associated with characteristics that make a particular tree a hazard are addressed, the hazard tree should be topped leaving the lower portion of the tree as a snag to provide wildlife habitat. Cottonwood hazard trees are excluded from this design feature due to past problems with snag falling.
- When safe and feasible to do so, fall hazard trees in a direction that they can be left entirely or partially in place as coarse woody debris (CWD). If trees cannot be left in place and are small enough to be easily moved, consider relocating the down tree(s) to another location in the park where they can provide CWD, otherwise buck up for park firewood.

- Consider opportunities to use the felled trees in stream restoration projects.
- Conduct hazard tree removal during the park's closed season to minimize disturbance to the public's use of the park.
- Minimize observable disturbance associated with tree removal by staying on existing roads as much as possible, hiding the top of stumps (i.e. covering the top of the stump with moss, dirt painting), and low stumping the cuts. Debris associated with project activities may be removed from the sites, lopped and scattered, chipped, or piled and burned, or a combination of these treatments depending on the amount of accumulation.
- As an alternative to cutting trees, consider relocating mobile infrastructure away from potential hazard trees, or consider limbing or topping to alleviate the potential hazard.

To Protect Threatened or Endangered Species

- Project implementation would be conducted in conformance with the applicable Letter of Concurrence concerning federally listed wildlife species. Pertinent terms and conditions from this consultation document include:
 - March 1 – July 15 (critical breeding period for owls): No project activities would occur within 300 meters (roughly 1,000 feet) of any spotted owl nest sites (currently none are known in vicinity).

To Protect Migratory Birds

- Minimize unintentional take of migratory birds:
 - April 1 – July 31 (breeding period for migratory bird species): Avoid habitat modification during breeding period for migratory birds.

Within the Riparian Reserve

- Protect fisheries by not removing down wood from sites unless fisheries personnel determine that large woody material objectives for stream and riparian areas in the proposed project areas are met.
- Take steps to prevent firewood gathering and theft within riparian areas.
- Directionally fall towards the stream channels and riparian areas and leave trees on-site when it is safe and feasible to do so.
- No refueling within 100 feet of any standing or running water. Where local site conditions do not allow a 100-foot setback, refueling must occur as far away as possible from the water body.

- Hand piling of fuels intended for burning will not occur within 100 feet of any stream channel.

To minimize the spread of noxious weeds

- All soil disrupting equipment and transportation vehicles (low-boys, trailers, etc.) will be required to be clean and free of dirt and vegetation prior to arriving on BLM-managed lands as directed by the Authorized Officer.
- Any large areas of disrupted soil as determined by the Authorized Officer would be sown with weed free red fescue or a native species mix approved by the resource area botanist.

To protect Cultural Resources

- If any cultural and/or paleontological resource (historic or prehistoric site or object) is discovered during project activities, all operations in the immediate area of such discovery shall be suspended until an evaluation of the discovery can be made by a professional archaeologist to determine appropriate actions to prevent the loss of significant cultural or scientific values.

D. Interdisciplinary Review and Signature:

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**U.S. DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
SALEM DISTRICT, CASCADES RESOURCE AREA**

Decision Record

Based on the attached Categorical Exclusion Documentation (CX) above, I have determined that the proposed action, of hazard tree removal in designated recreation sites and areas involves no significant impacts to the human environment and requires no further environmental analysis.

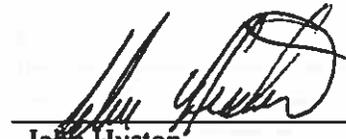
It is my decision to authorize the implementation of removing hazard trees within recreation sites and areas, as described in the attached CX, above.

Administrative Remedy: Notice of the decision to be made on the action described in this categorical exclusion will be posted on the Salem District website. The action is subject to appeal to the Interior Board of Land Appeals under 43 CFR Part 4.

Implementation: This project will be implemented immediately.

Contact Person: For additional information concerning this CX review; contact Traci Meredith, Recreation Planner, Salem District Office, 1717 Fabry Rd SE, Salem, OR 97306, (503) 315-5991.

Authorized Official:



John Huston
Cascades Resource Area Field Manager

Date: 4/15/13

Attachment 1

Recreation Hazard Tree Removal Review Documentation

Complies with the Following NEPA Document: Recreation Site and Area Hazard Tree Management (CX# DOI-BLM-OR-S040-2013-0002-CX)

Submitted By: Click here to enter text.

Dates: Click here to enter te

Recreation Site or Area Name: Click here to enter text

Land Use Allocation: GFMA Connectivity LSR Riparian Special Area

Hazard Tree Description:

Removal Method:

Timing of Work:

Project Elements:

- Site Conditions are adequately covered by NEPA document, specialist review is not necessary.
- Environmental effects do not exceed any analyzed in the above NEPA document, but project elements are not specifically analyzed in the above document. Specialist review and concurrence with the design features of the project are required.

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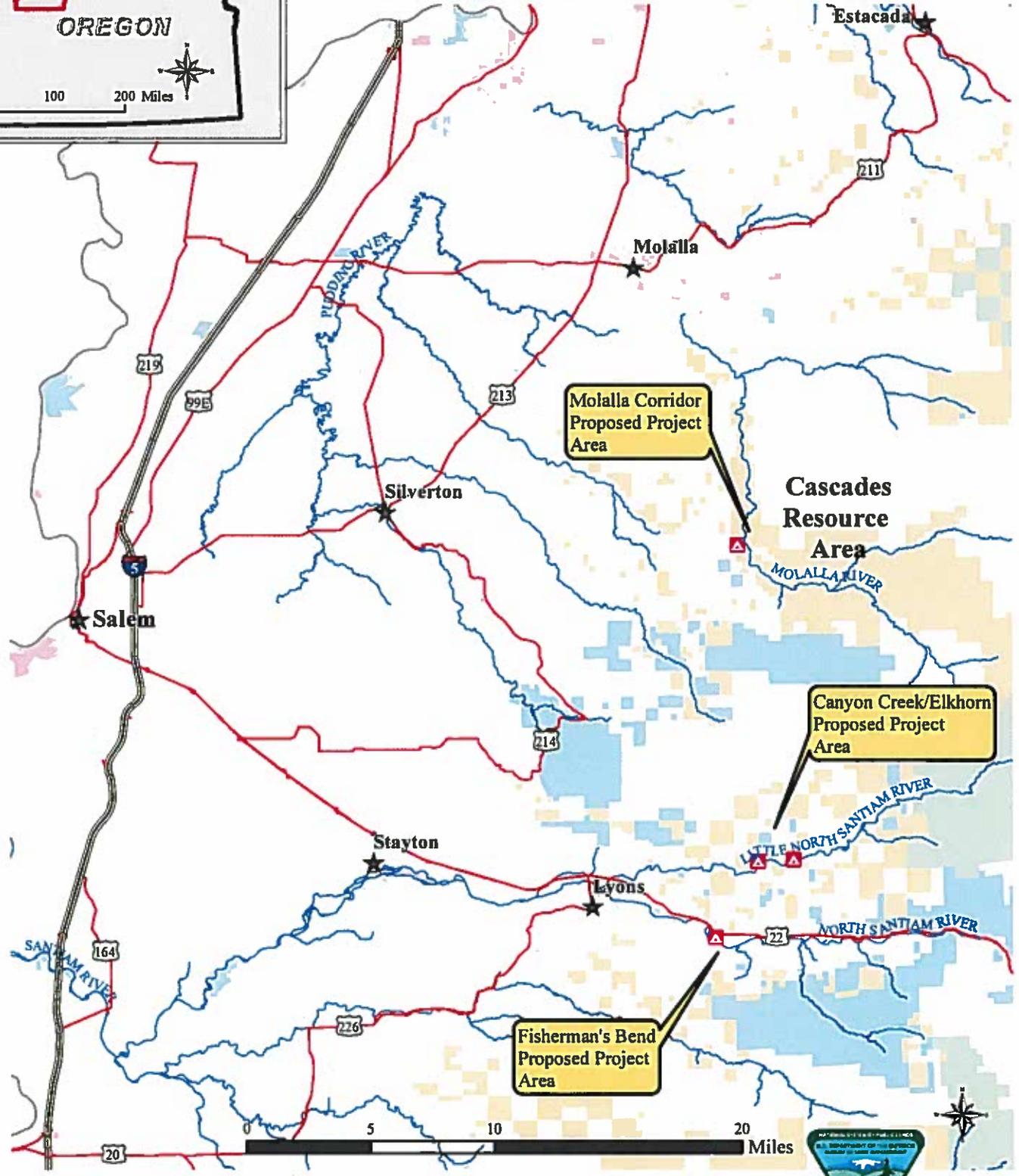
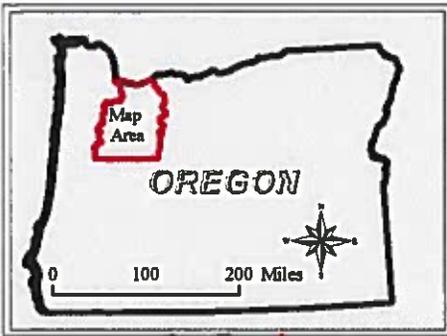
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John Huston
Cascades Resource Area Field Manager

2016 Hazard Tree Removal Project Proposal Location Map



- ★ Cities of Interest
- Streams
- State Hwys
- Bureau of Land Management
- Project Areas
- State
- ▲ Project Areas
- Local Government
- Interstate Hwys
- U.S. Forest Service

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

Hazard Tree

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZAT	TREATMENT	COMMENTS
Canyon Creek Recreation Site	Doug Fir	12	90	Dead	6	Moderate	leaning over day use area
Canyon Creek Recreation Site	Doug Fir	32	120	Live	<null>	<null>	remove 30%
Canyon Creek Recreation Site	Doug Fir	28	125	Live	7	High	leaning over day use area
ElkHorn	Doug Fir	17	44	Dead	<null>	High	leaning over trail bridge and road
ElkHorn	Doug Fir	14	60	Dead	7	High	leaning over trail and parking
ElkHorn	Doug Fir	14	60	Dead	8	Very High	leaning over camp spot
ElkHorn	Doug Fir	20	50	Dead	7	Very High	leaning over campsite
ElkHorn	Doug Fir	14	80	Dead	7	Very High	leaning over camp site
ElkHorn	Doug Fir	50	150	Dead	7	High	leaning over road and campsite
ElkHorn	Doug Fir	32	120	Dead	7	High	leaning over camp site and parking
ElkHorn	Doug Fir	39	100	Dead	7	High	leaning over camp site and parking
ElkHorn	Doug Fir	32	178	Dead	7	Very High	leaning over camp site and bathroom
ElkHorn	Doug Fir	32	180	Dead	7	Very High	leaning over camp site and bathroom
ElkHorn	Doug Fir	32	100	Dead	7	High	leaning over camp site and bathroom
ElkHorn	Doug Fir	40	195	Dead	7	Very High	leaning over day use area PARKING
ElkHorn	Doug Fir	19	80	Dead	7	Very High	leaning over camp site
ElkHorn	Doug Fir	22	50	Dead	6	High	BROKEN TOP CANDLE STICK
ElkHorn	Doug Fir	15	65	Dead	5	High	NEXT TO DAYUSE AREA ON RIVER

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZA	TREATMENT	COMMENTS
ElkHorn	Doug Fir		19	75 Dead	5	High	NEXT TO DAYUSE AREA ON RIVER
ElkHorn	Doug Fir		38	100 Dead	5	High	NOT IMMEDIATE THREAT BUT SHOULD BE REMOVED WITHIN A YEAR
ElkHorn	Doug Fir	13.5		98 Dead	5	High	REMOVED REMOVE
ElkHorn	Doug Fir	36		186 Live	7	High	EVIDENCE OF ROOT ROT DIMINISHED CROWN MORTALITY WITHIN YEAR
ElkHorn	Doug Fir	41		192 Dead	6	High	REMOVE
ElkHorn	Doug Fir	36		140 Dead	6	High	REMOVE OR TOP
ElkHorn	Doug Fir	31		166 Dead	7	Very High	REMOVE OR TOP
ElkHorn	Doug Fir	16		84 Dead	7	Very High	REMOVE OR TOP
ElkHorn	Doug Fir	16		78 Dead	7	Very High	REMOVE OR TOP
ElkHorn	Doug Fir	50		170 Live	6	High	REMOVE OR TOP
ElkHorn	Doug Fir	40		170 Dead	7	Very High	REMOVE OR TOP
ElkHorn	Doug Fir	47		180 Dead	7	Very High	REMOVE OR TOP
ElkHorn	Doug Fir	38		140 Dead	8	Very High	REMOVE DROP IN RIVER
ElkHorn	Doug Fir	23		140 Dead	8	Very High	REMOVE DROP & LEAVE
ElkHorn	Doug Fir	51		100 Dead	8	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	37		120 Dead	8	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	24		115 Live	8	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	35		125 Dead	8	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	26		60 Dead	6	High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	22		80 Dead	6	High	REMOVE OR TOP DROP &

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZAT	TREATMENT	COMMENTS
ElkHorn	Doug Fir	22	100	Dead	7	Very High	LEAVE REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	36	150	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	40	150	Dead	7	Very High	3 LARGE TREES REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	28	140	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	14	70	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	25	110	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	50	182	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	28	95	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	30	100	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	12	89	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	14	80	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	22	89	Dead	7	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	50	200	Dead	8	Very High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	19	96	Dead	6	High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	13	82	Dead	6	High	REMOVE OR TOP DROP & LEAVE
ElkHorn	Doug Fir	30	75	Dead	6	High	REMOVE OR TOP DROP & LEAVE
FishBend	Doug Fir	32	190	Dead	<null>	<null>	<null>
FishBend	Doug Fir	16	35	Dead	<null>	<null>	<null>
FishBend	Doug Fir	<null>	<null>	Dead	<null>	<null>	<null>
FishBend	Grand Fir	16	42	Dead	<null>	<null>	<null>

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZA	TREATMENT	COMMENTS
FishBend	Doug Fir	30	130	Dead	<null>	<null>	<null>
FishBend	Doug Fir	30	95	Dead	<null>	<null>	<null>
FishBend	Doug Fir	16	65	Dead	<null>	<null>	<null>
FishBend	Doug Fir	34	100	Dead	<null>	<null>	<null>
FishBend	Doug Fir	34	105	Dead	<null>	<null>	<null>
FishBend	Doug Fir	28	85	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	85	Live	<null>	<null>	<null>
FishBend	Doug Fir	24	65	<null>	<null>	<null>	<null>
FishBend	Doug Fir	12	30	Dead	<null>	<null>	<null>
FishBend	Doug Fir	12	25	Dead	<null>	<null>	<null>
FishBend	Doug Fir	28	105	Dead	<null>	<null>	<null>
FishBend	Doug Fir	28	98	Live	<null>	<null>	<null>
FishBend	Doug Fir	34	110	Live	<null>	<null>	<null>
FishBend	Doug Fir	26	98	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	98	Dead	<null>	<null>	<null>
FishBend	Doug Fir	30	100	Dead	<null>	<null>	<null>
FishBend	Doug Fir	18	72	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	88	Live	<null>	<null>	<null>
FishBend	Doug Fir	26	95	<null>	<null>	<null>	<null>
FishBend	Doug Fir	40	125	<null>	<null>	<null>	<null>
FishBend	Doug Fir	30	110	Live	<null>	<null>	<null>
FishBend	Doug Fir	26	98	Live	<null>	<null>	<null>
FishBend	Doug Fir	32	120	Live	<null>	<null>	<null>
FishBend	Doug Fir	24	60	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	98	Live	<null>	<null>	<null>
FishBend	Doug Fir	38	70	Live	<null>	<null>	<null>
FishBend	Doug Fir	22	35	Dead	<null>	<null>	<null>
FishBend	Doug Fir	20	38	Dead	<null>	<null>	<null>
FishBend	Doug Fir	10	40	Dead	<null>	<null>	<null>
FishBend	Doug Fir	12	45	Live	<null>	<null>	<null>
FishBend	Doug Fir	16	70	Live	<null>	<null>	<null>
FishBend	Doug Fir	16	70	Live	<null>	<null>	<null>
FishBend	Doug Fir	32	120	Dead	<null>	<null>	<null>
FishBend	Doug Fir	24	75	Dead	<null>	<null>	<null>
FishBend	Doug Fir	24	110	Live	<null>	<null>	<null>
FishBend	Doug Fir	26	100	Live	<null>	<null>	<null>
FishBend	Cottonwood	28	98	Live	<null>	<null>	<null>
FishBend	Cottonwood	26	95	Live	<null>	<null>	<null>
FishBend	Cottonwood	26	95	Live	<null>	<null>	<null>
FishBend	Cottonwood	26	95	Live	<null>	<null>	<null>
FishBend	Doug Fir	30	100	Live	<null>	<null>	<null>

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZAT	TREATMENT	COMMENTS
FishBend	Doug Fir	30	120	Dead	<null>	<null>	<null>
FishBend	Doug Fir	10	50	Dead	<null>	<null>	<null>
FishBend	Doug Fir	28	120	Dead	<null>	<null>	<null>
FishBend	Doug Fir	28	110	Dead	<null>	<null>	<null>
FishBend	Doug Fir	34	130	Dead	<null>	<null>	<null>
FishBend	Doug Fir	32	120	Dead	<null>	<null>	<null>
FishBend	Doug Fir	24	95	Dead	<null>	<null>	<null>
FishBend	Doug Fir	24	95	Dead	<null>	<null>	<null>
FishBend	Doug Fir	22	90	<null>	<null>	<null>	<null>
FishBend	Doug Fir	28	115	Live	<null>	<null>	<null>
FishBend	Doug Fir	26	95	Live	<null>	<null>	<null>
FishBend	Doug Fir	18	85	Live	<null>	<null>	<null>
FishBend	Doug Fir	40	130	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	110	<null>	<null>	<null>	<null>
FishBend	Doug Fir	26	30	Dead	<null>	<null>	<null>
FishBend	Doug Fir	40	125	Live	<null>	<null>	<null>
FishBend	Doug Fir	40	135	Dead	<null>	<null>	<null>
FishBend	Doug Fir	14	70	Live	<null>	<null>	<null>
FishBend	Western Redcedar	20	35	Dead	<null>	<null>	<null>
FishBend	Doug Fir	18	70	Live	<null>	<null>	<null>
FishBend	Other	16	79	Live	<null>	<null>	<null>
FishBend	Doug Fir	20	90	Live	<null>	<null>	<null>
FishBend	Doug Fir	28	90	Live	<null>	<null>	<null>
FishBend	Doug Fir	30	110	Live	<null>	<null>	<null>
FishBend	Doug Fir	32	120	Dead	<null>	<null>	<null>
FishBend	Doug Fir	12	50	Dead	6	High	leaning towards dump station and entrance sign
FishBend	Doug Fir	10	50	Dead	7	High	leaning over camp site
FishBend	Doug Fir	14	65	Dead	8	Very High	leaning over group reservation shelter metal tag #7775
FishBend	Doug Fir	32	120	Dead	8	Very High	leaning over camp site
FishBend	Doug Fir	32	120	Live	7	High	power lines and camp site metal tag# 777
FishBend	Doug Fir	22	90	Live	7	High	power lines 90% top dead metal tags #143 and 749
FishBend	Doug Fir	34	100	Live	<null>	<null>	removing 20%

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZ	TREATMENT	COMMENTS
							of top
FishBend	Doug Fir	20	80	Live	8	Very High	95 % top dead camp site
FishBend	Doug Fir	12	45	Dead	8	Very High	leaning over host site
FishBend	Doug Fir	26	100	Dead	7	High	group shelter parking tag#128 and 6935
FishBend	Doug Fir	16	40	Dead	8	Very High	host site tag #6717
FishBend	Doug Fir	12	50	Dead	8	Very High	bathroom
FishBend	Doug Fir	16	65	Live	8	Very High	90 % dead host site
FishBend	Doug Fir	26	90	Live	<null>	<null>	removing 10 % top
FishBend	Doug Fir	34	110	Dead	8	Very High	host site, roadway tag # 671
FishBend	Doug Fir	36	90	Live	8	Very High	group shelter, parking area, sites tag # 86 95% dead
FishBend	Doug Fir	14	45	Dead	7	High	roadway
FishBend	Doug Fir	24	80	Dead	8	Very High	parking lot
FishBend	Doug Fir	34	100	Live	<null>	<null>	removing 10 % top
FishBend	Doug Fir	34	100	Live	<null>	<null>	removing 10 % top
FishBend	Doug Fir	24	90	Live	<null>	<null>	removing 10 % top tag # 40 and 46.1
FishBend	Doug Fir	20	85	Live	7	High	90% dead road, trail, bathroom
FishBend	Doug Fir	26	80	Live	<null>	<null>	removing 10 % top tag # 894 and 47.4
FishBend	Doug Fir	14	70	Live	<null>	<null>	2 stems removing 10 % top on both tag # 58.24
FishBend	Doug Fir	10	40	Dead	8	Very High	camp site
FishBend	Doug Fir	34	105	Live	7	High	90 %dead camp site, metal tag 52.5
FishBend	Doug Fir	18	100	Dead	7	High	roadway, trail
FishBend	Cottonwood	26	70	Live	6	<null>	heavy lean, power lines, group shelter, parking area, metal tag 832
FishBend	Doug Fir	22	90	Live	<null>	<null>	95% dead, group shelter, metal tag 43.40

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZA	TREATMENT	COMMENTS
FishBend	Doug Fir	14	60	Live	<null>	<null>	90% dead, power lines, group shelter, metal tag E6 359
FishBend	Doug Fir	28	100	Live	<null>	<null>	removing 20% top, metal tag 43.37, group shelter, power lines
FishBend	Doug Fir	18	70	Live	<null>	<null>	95% dead, group shelter parking area, metal tag 355
FishBend	Doug Fir	20	85	Dead	<null>	<null>	information shelter, power lines, metal tag 340
FishBend	Doug Fir	38	120	Live	<null>	<null>	95% dead, amphitheater, trail, metal tag 522
FishBend	Doug Fir	14	75	Dead	<null>	<null>	amphitheater, trail, metal tag 543
FishBend	Doug Fir	14	70	Dead	<null>	<null>	amphitheater, trail, metal tag 548
FishBend	Doug Fir	36	100	Live	<null>	<null>	host site , kiosk, roadway, metal tag D4464
FishBend	Doug Fir	12	50	Dead	<null>	<null>	power box, kiosk, propane, metal tag 483
FishBend	Doug Fir	14	80	Dead	<null>	<null>	kiosk, propane, roadway, host site, metal tag 489 and 38.15
FishBend	Doug Fir	18	80	Dead	<null>	<null>	camp sites, power box. metal tag 277 and 12,24
FishBend	Doug Fir	28	100	Live	<null>	<null>	removing 20% top, camp site, roadway
FishBend	Doug Fir	26	84	Dead	<null>	<null>	camp sites, host site
FishBend	Doug Fir	36	110	Live	<null>	<null>	camp sites, metal tags 584 and 27.13
FishBend	Doug Fir	24	80	Live	<null>	<null>	camp sites, playground removing 10 % top
FishBend	Doug Fir	38	100	Dead	7	High	roadway

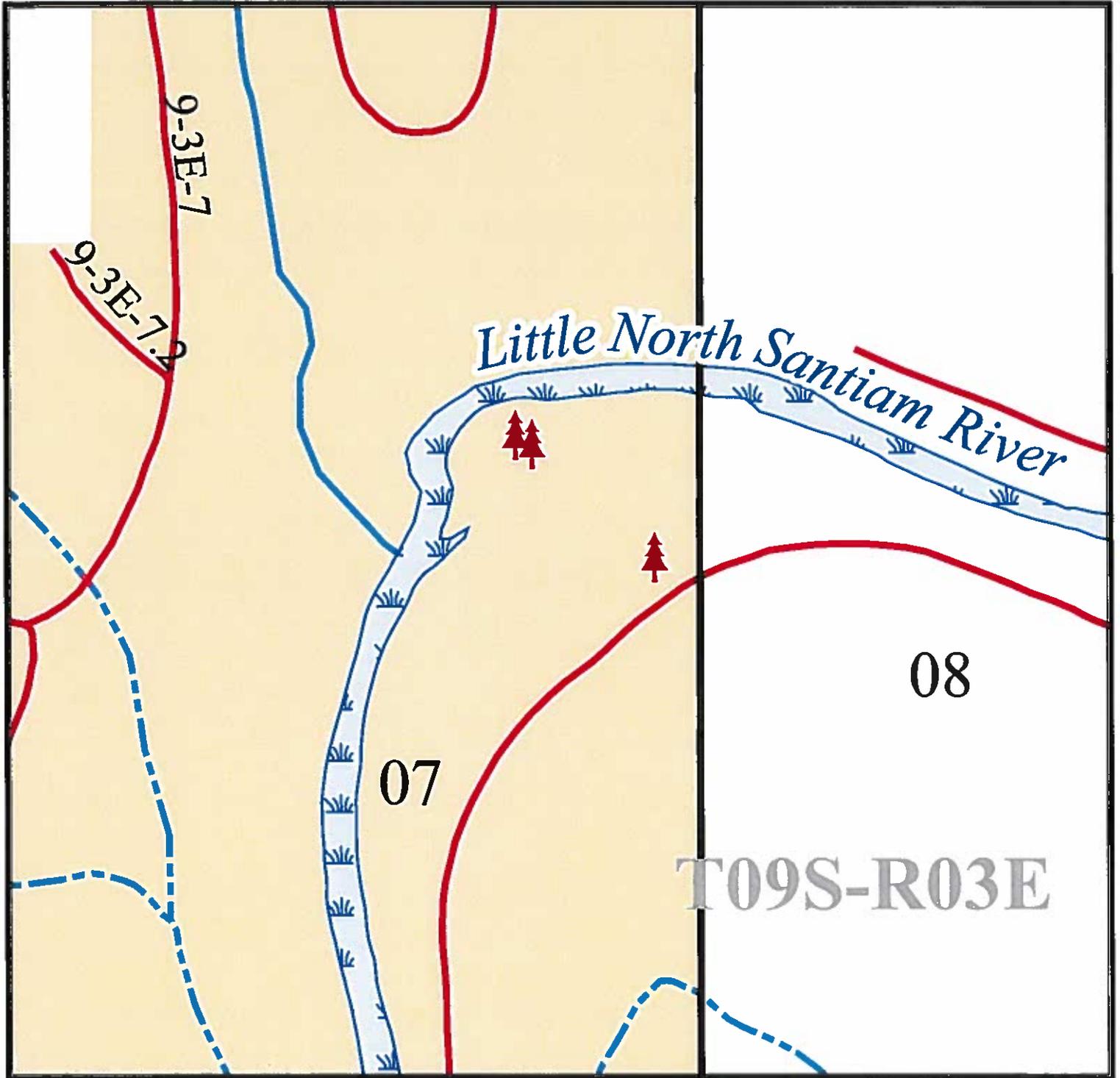
SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZA	TREATMENT	COMMENTS
FishBend	Doug Fir	38	120	Dead	<null>	<null>	bathroom , camp site, metal tag 234
FishBend	Doug Fir	32	100	Live	<null>	<null>	removing 10 % top, camp site, roadway
Molalla River Corridor and Campground s	Cottonwood	21.4	103	Live	6	Moderate	
Molalla River Corridor and Campground s	Doug Fir	21	95	Live	6	Low	FORKED TOP: V_CROTCH SUCCEPTIBL E TO SPLIT DURING WIND EVENT
Molalla River Corridor and Campground s	Red Alder	15	102	Live	6	Moderate	HEAVY LEAN MAY COME DOWN DURING WIND EVENT
Molalla River Corridor and Campground s	Red Alder	13.1	102	Live	6	Low	HEAVY LEAN MAY COME DOWN DURING WIND EVENT
Molalla River Corridor and Campground s	Bigleaf Maple	10	102	Live	6	Moderate	PRUNE OFF DEAD LIMBS FACING CAMPSITE
Molalla River Corridor and Campground s	Bigleaf Maple	12	102	Live	6	Moderate	REMOVE
Molalla River Corridor and Campground s	Cottonwood	11.8	110	Live	7	High	REMOVE
Molalla River Corridor and Campground s	Red Alder	26.9	121	Live	7	Moderate	REMOVE IN NEXT 3 YEARS
Molalla River Corridor and Campground s	Doug Fir	25	121	Live	7	Moderate	REMOVE IN NEXT 3 YEARS DEPENDING ON ROT
Molalla River Corridor and Campground s	Doug Fir	20.4	110	Live	6	Moderate	BROWN TOPROTCONK S: REMOVE IN NEXT 3 YEARS DEPENDING ON ROT
Molalla River Corridor and Campground	Doug Fir	10	70	Dead	8	High	REMOVE

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZAT	TREATMENT	COMMENTS
Molalla River Corridor and Campgrounds	Red Alder	30	90	Live	7	Moderate	REMOVE IN NEXT 3 YEARS: HEAVY USER DAMAGE
Molalla River Corridor and Campgrounds	Red Alder	10	80	Live	6	Moderate	REMOVE IN NEXT 3 YEARS: HEAVY USER DAMAGE
Molalla River Corridor and Campgrounds	Western Hemlock	32	92	Live	6	High	REMOVE: FORK TOP DYING CROWN
Molalla River Corridor and Campgrounds	Doug Fir	11.4	92	Live	6	Moderate	REMOVE: DYING CROWN
Molalla River Corridor and Campgrounds	Doug Fir	10.4	80	Dead	6	Moderate	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Doug Fir	11	74	Live	7	High	REMOVE: ALMOST DEAD
Molalla River Corridor and Campgrounds	Doug Fir	17.8	100	Dead	8	Very High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Doug Fir	19	115	Dead	8	High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Doug Fir	16	115	Dead	8	High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Western Redcedar	18	68	Live	7	High	REMOVE: DYING
Molalla River Corridor and Campgrounds	Doug Fir	25.2	120	Live	6	High	REMOVE: DYING THINNING CROWN
Molalla River Corridor and Campgrounds	Doug Fir	17.2	90	Dead	8	Very High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Western Redcedar	11	40	Live	5	Moderate	REMOVE: DYING
Molalla River	Doug Fir	10.4	58	Dead	8	Very High	REMOVE:

SITE	SPECIES	DBH	HEIGHT	TREE STATUS	FINAL_HAZ	TREATMENT	COMMENTS
Corridor and Campgrounds							DEAD TAG 576
Molalla River Corridor and Campgrounds	Doug Fir	18.5	115	Dead	8	Very High	REMOVE: DEAD TAG 406
Molalla River Corridor and Campgrounds	Doug Fir	13.6	105	Dead	7	High	REMOVE: DEAD HARD LEAN HUNG UP
Molalla River Corridor and Campgrounds	Doug Fir	13	95	Dead	8	Very High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Western Hemlock	19	89	Dead	8	Very High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Western Redcedar	18	74	Dead	8	Very High	REMOVE: DEAD
Molalla River Corridor and Campgrounds	Western Redcedar	32	109	Live	7	Very High	REMOVE: DYING HEART ROT
Molalla River Corridor and Campgrounds	Red Alder	19.8	120	Live	8	Very High	REMOVE: DYING HEART ROT
Molalla River Corridor and Campgrounds	Doug Fir	14	120	Dead	8	Very High	REMOVE: DEAD OVER ROADWAY

2016 Canyon Creek Recreation Site Hazard Tree Removal Proposed Project

2/22/2016



Contour Interval: 20'



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

-  Road
-  Intermittent
-  Perennial
-  Bureau of Land Management
-  Private/Unknown
-  Hazard Tree

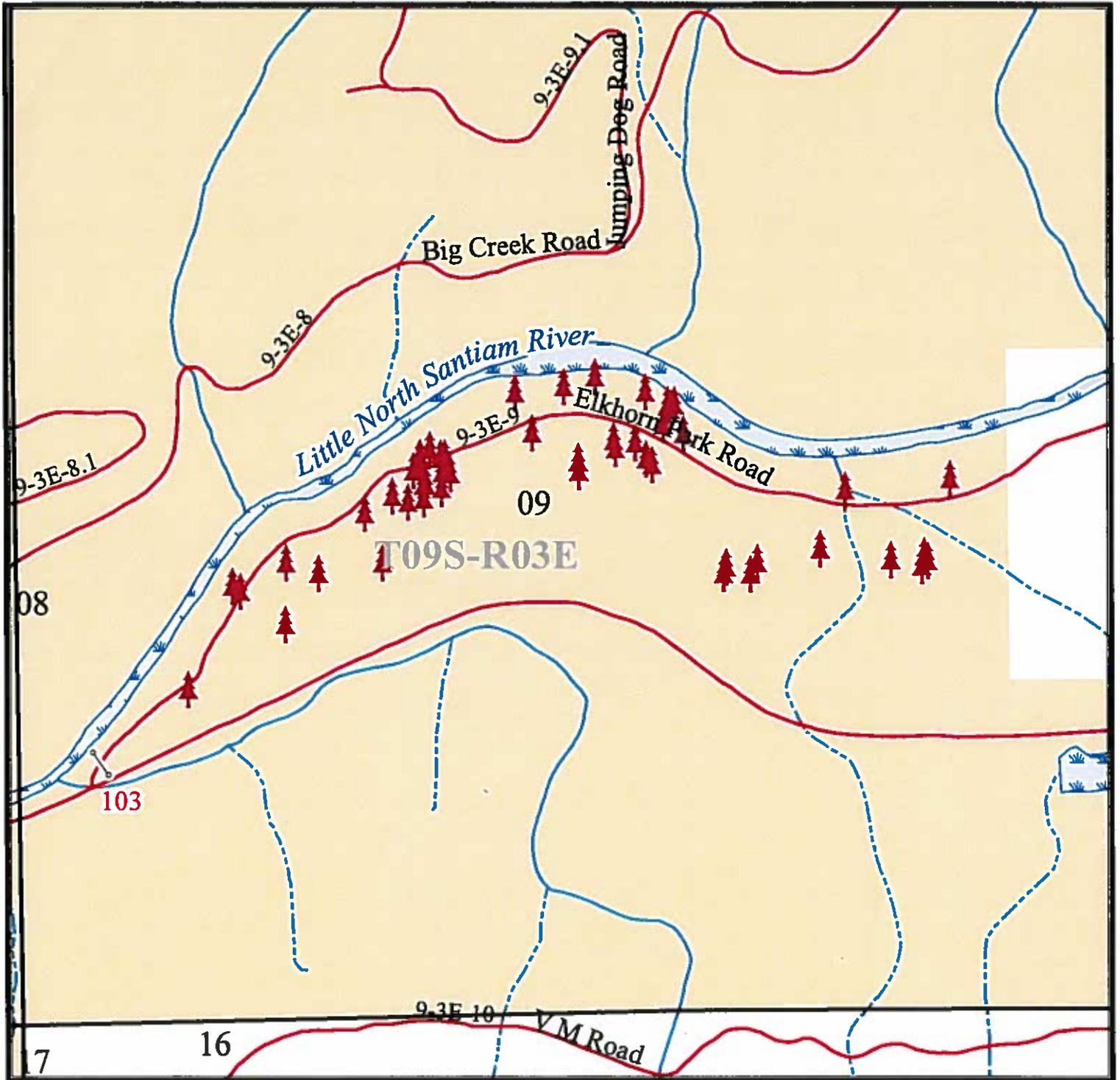


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2016 Elkhorn Recreation Site Hazard Tree Removal Proposed Project

2/22/2016



Contour Interval: 20'



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- Gate
- Road
- Intermittent
- Perennial
- Bureau of Land Management
- Private/Unknown
- Hazard Tree

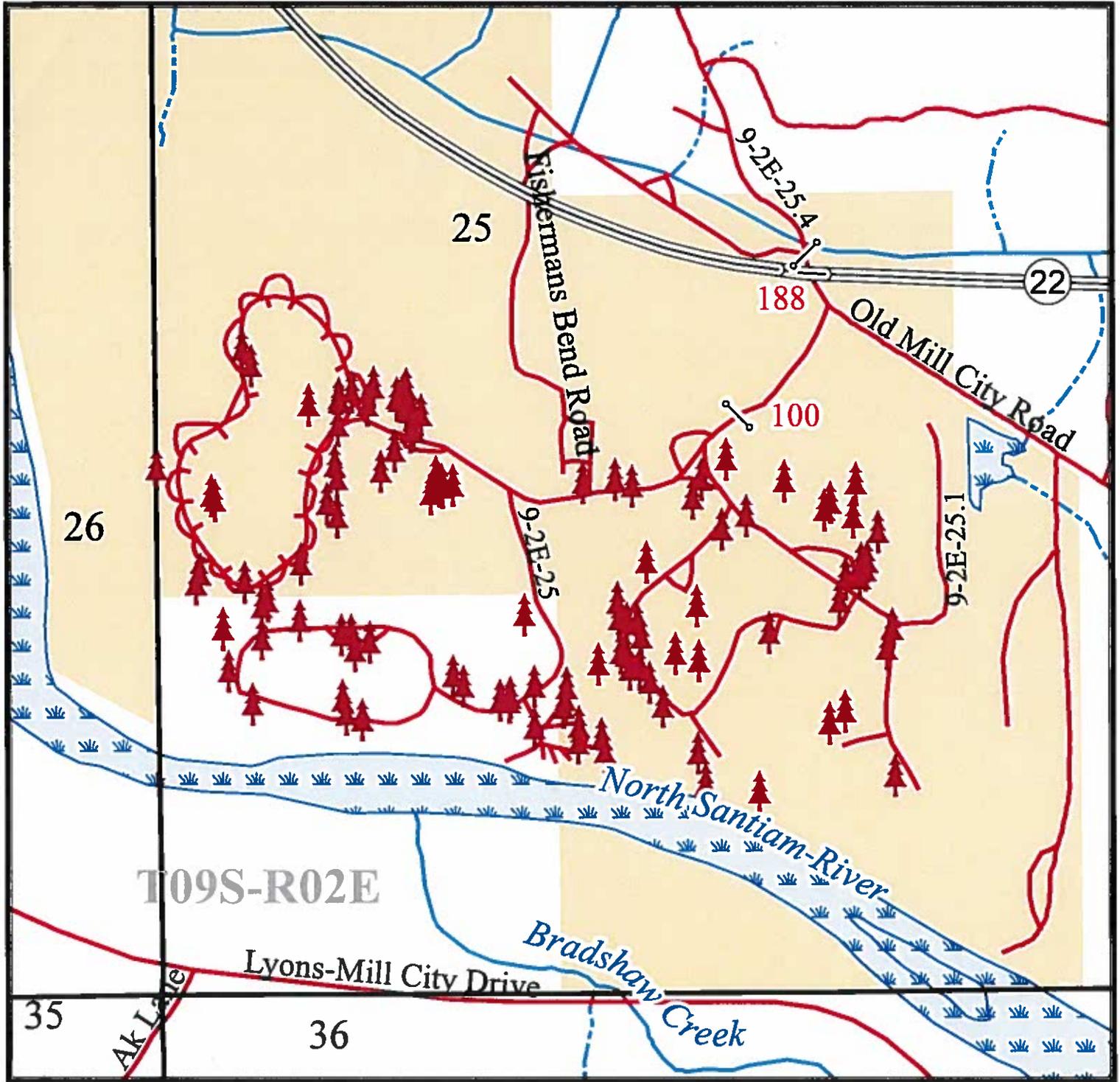


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2016 Fisherman's Bend Hazard Tree Removal Proposed Project

2/2/2016



Contour Interval: 20'



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- Gate
- State Highway
- Road
- Intermittent
- Perennial
- Bureau of Land Management
- Private/Unknown
- Hazard Tree

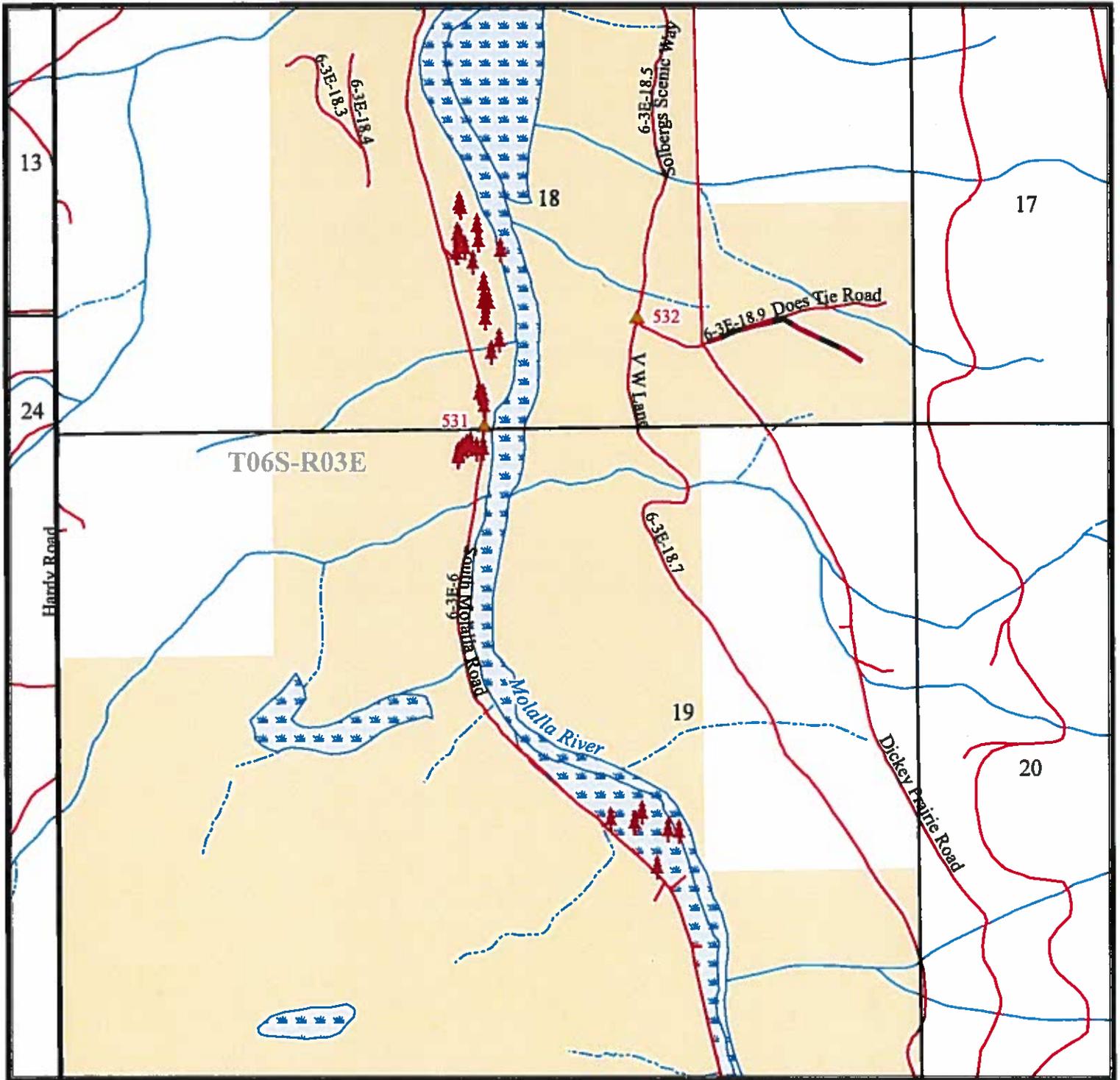


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2016 Molalla Corridor Hazard Tree Removal Proposed Project

2/2/2016



Contour Interval: 20'

1,000 500 0feet

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

- Earth Berm
- Bureau of Land Management
- Walk In Road
- Private/Unknown
- Road
- Hazard Tree
- Intermittent
- Perennial



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