

Appendix I

Bridge Thin EA Cumulative Effects

This analysis lists and describes management activities that have occurred in the past within the project area, along with ongoing, and reasonably foreseeable future actions. The effects of these actions below could contribute cumulatively to the effects of the proposed actions in the Bridge Thin Project Area, and are considered in the Bridge Thin Environmental Assessment.

Table 1. Past, Ongoing, and Reasonably Foreseeable Forest Service Actions in the Bridge Thin Project Area.

Actions	Description	Resources Affected
<p>Timber Harvest</p>	<p>Past: Acreage of past timber harvests in the Bridge Thin Project Area is presented by decade, and also the post-timber sale silviculture treatments in Table 2. Data was obtained from the Willamette National Forest Vegis Database.</p> <p>Since the 1940's approximately 4,800 acres of timber harvest have occurred on Forest Service lands. Nearly 1,100 acres of this total is pre-commercial thinning. Since 2000 only 260 acres of harvest have occurred on Forest Service lands in the project area, with no regeneration harvests and 224 acres of pre-commercial thinning.</p> <p>Ongoing/Reasonably Foreseeable: Pre-commercial thinning and pruning may occur on some stands in the project area. No ongoing or reasonably foreseeable timber sale projects are located in the project area.</p>	<p>Vegetation, Soil & Water, Fisheries, Roads & Access Mgmt, Invasive Plants</p>
<p>Road Maintenance</p>	<p>Past: There are 61.5 miles of Forest system roads in the project area, and approximately 21 miles have been closed with either gates, berms, or other structures in the past. Road maintenance work includes activities to reduce brush, clean out drainages, and repair road surfaces on many of the key and secondary roads in the project area (Willamette Roads Analysis, 2003)</p> <p>Ongoing/Reasonably Foreseeable: The Forest system roads receive annual maintenance in accordance with established road management objectives.</p>	<p>Soil & Water, Fisheries, Roads & Access Mgmt, Invasive Plants</p>
<p>Travel Management EA (Expected to be Implemented 12/2009)</p>	<p>Reasonably Foreseeable: To comply with Final Travel Mgmt Rule [FR, Vol 70, No. 216 (2005)] for motorized access a Travel Management EA is planned. The Travel Management Rule requires the designation of National Forest System roads & trails open to motor vehicle use (including OHV use) by vehicle class and, if appropriate, by time of year.</p>	<p>Soil & Water, Fisheries, Roads & Access Mgmt, Invasive Plants</p>
<p>Trails and Developed Recreation site maintenance</p>	<p>Past: Existing trails in the project area include the King Castle and Delta Old Growth Trails, which are located along the east boundary of the project area. Existing developed recreation facilities constructed within the project area include Delta campground, Forest Glen Boat Landing, Hamlin Boat Landing, and McMullins</p>	<p>Soil & Water, Fisheries, Recreation</p>

Actions	Description	Resources Affected
	Boat Landing. <u>Ongoing/Reasonably Foreseeable:</u> Trail maintenance to keep the King Castle and Delta Old Growth Trails clear of logs and slides occurs annually. Normal facility maintenance activities occur annually at all developed recreation sites, including those listed above.	

Table 2. Acres of Past Timber Harvest in the Bridge Thin Project Area.

Decade	Historic Management on Federal Land; Acres by Activity Category				Total
	<i>Regeneration Harvest</i>	<i>Commercial Thinning</i>	<i>Salvage</i>	<i>Pre-commercial Thinning</i>	
1940s	710	0	0	0	710
1950s	69	0	0	0	69
1960s	664	0	0	0	664
1970s	395	18	34	267	714
1980s	478	249	28	284	1039
1990s	532	282	216	312	1342
2000-Present	0	21	15	224	260
Total	2,848	570	293	1,087	4,798

Table 3. Past, Ongoing, and Reasonably Foreseeable Non-Forest Service Actions in the Bridge Thin Project Area.

Non-Forest Service Actions	Description	Resources Affected
Timber harvest	<p><u>Past:</u> There is no reliable source of vegetative age data for private industrial forest lands in the project area, but based on GIS analysis and knowledge of the area, it is estimated that approximately 75%, or 6,400 acres, of the private lands in the project area are industrial forest lands. There is no record of past harvest amounts, but it is reasonable to infer that private industrial forest lands have been managed on a 40-50 year rotation. Consequently, past regeneration timber harvest has likely occurred on the 6,400 acres of industrial forest lands in the project area since the 1940's.</p> <p><u>Ongoing/Reasonably Foreseeable:</u> Management of these industrial forest lands are not anticipated to change in the reasonably foreseeable future.</p>	Vegetation, Soil & Water, Fisheries, Wildlife, Invasive Plants

Non-Forest Service Actions	Description	Resources Affected
<p>Road construction, maintenance and use</p>	<p>Past: Currently there is 22.7 miles of private roads and driveways. Lane County maintains 6.3 miles of county roads in the project area. The BLM maintains 12.7 miles of road in the project area.</p> <p>Ongoing/Reasonably Foreseeable: Road construction and maintenance by private landowners on private lands will continue and potentially increase with more residential development.</p> <p>It is assumed that maintenance on Lane County and BLM roads will continue to occur as needed.</p>	<p>Soil & Water, Fisheries, Roads & Access Mgmt, Invasive Plants</p>
<p>Rural-residential development of private land</p>	<p>Past: Based on GIS analysis there are over 300 structures located on private land in the project area. The community of Blue River is located in the western portion of the project area. Development is focused along both sides of State Hwy 126 and the McKenzie River, and includes residential structures, businesses, and a golf course.</p> <p>Ongoing/Reasonably Foreseeable: Trends indicate the potential for increased residential development on private lands in the project area. Approximately 25%, or 2,300 acres, of the private lands in the project area are considered to be non-industrial forest lands, and likely to experience at least low-to-moderate amounts of development.</p>	<p>Soil & Water, Fisheries, Wildlife, Roads & Access Mgmt</p>
<p>Powerline Corridor Construction/Maintenance</p>	<p>Past: There are 11.6 miles of powerline corridor in the project area, maintained by BPA and EWEB.</p> <p>Ongoing/Reasonably Foreseeable: Existing powerline corridors will be maintained by EWEB and BPA</p>	<p>Invasive Plants, Roads& Access Mgmt</p>