

APPENDIX C: HOLIDAY FARM FIRE

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ONLINE WEB MAP

<https://experience.arcgis.com/experience/3da30bdf3b6442d09f5a4937e00245b1>



Map of the Holiday Farm Fire Study Area, Lane County, Oregon

2025

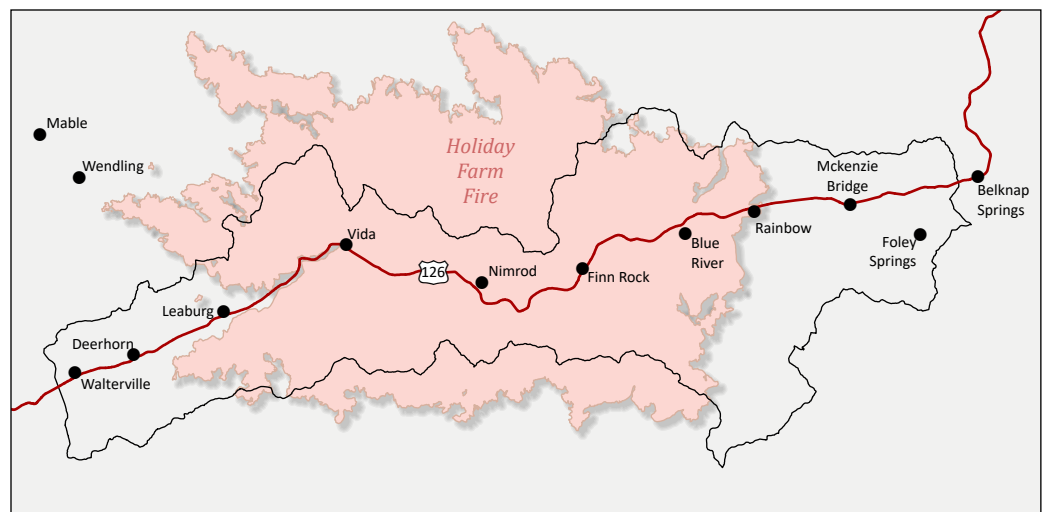
Open File Report O-25-09

Debris Flow Hazard, Risk, and Risk Reduction in the Eagle Creek, Beachie Creek-Lionshead, Holiday Farm, and Archie Creek Fire Areas, Multnomah, Hood River, Marion, Lane, and Douglas Counties, Oregon

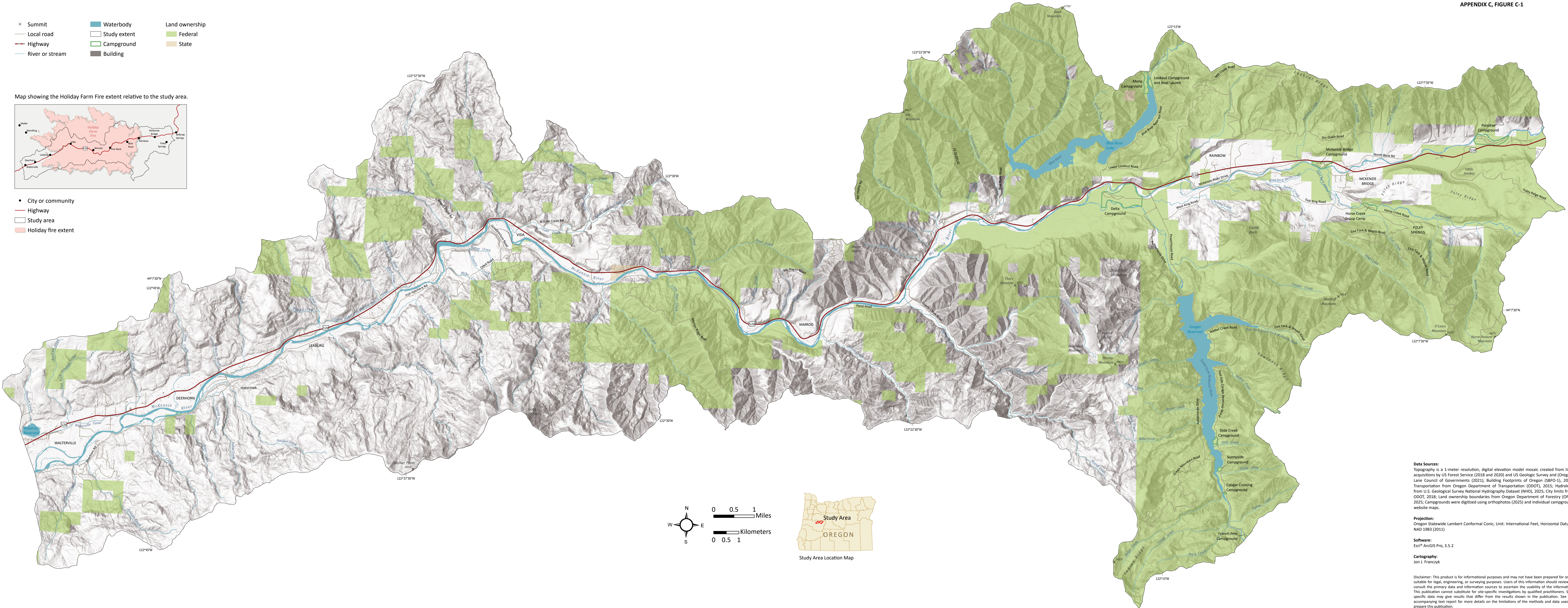
APPENDIX C, FIGURE C-1

- Summit
- Local road
- Highway
- River or stream
- Waterbody
- Study extent
- Campground
- Building
- Land ownership
 - Federal
 - State

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent














Data Sources:
Topography is a 1-meter resolution, digital elevation model mosaic created from lidar acquisitions by US Forest Service (2018 and 2020) and US Geologic Survey and (Oregon) Lane Council of Governments (2021); Building Footprints of Oregon (SBFO-1), 2023; Transportation from Oregon Department of Transportation (ODOT), 2015; Hydrology from U.S. Geological Survey National Hydrography Dataset (NHD), 2025; City limits from ODOT, 2018; Land ownership boundaries from Oregon Department of Forestry (ODF), 2025; Campgrounds were digitized using orthophotos (2025) and individual campground website maps.

Projection:
Oregon Statewide Lambert Conformal Conic, Unit: International Feet, Horizontal Datum: NAD 1983 (2011)

Software:
Esri® ArcGIS Pro, 3.5.2

Cartography:
Jon J. Franczyk

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Table C-1. Asset inventory of the Holiday Farm study area									
Asset Inventory by Land Use Categories for Total Holiday Farm Study Area									
—		Agricultural 	Commercial 	Educational 	Government 	Industrial 	Religious 	Residential 	Total
Buildings		2,179	130	10	12	0	0	2,111	4,442
Permanent Residents		0	0	0	0	0	0	3,644	3,644
Value		\$381,832,210	\$38,989,639	\$21,114,966	\$6,552,200	\$0	\$0	\$655,971,984	\$1,104,460,999
Critical Facilities*		1	1	9	6	0	0	0	17
*Critical facilities are services essential to public health and safety, emergency response, or vital community services, e.g., hospitals, fire stations, water treatment plants									
Holiday Farm Study Area Highways and Roads									
Highways (mi)			Local Roads (mi)			Total (mi)			
43			189			231			
Holiday Farm Study Area Local Campgrounds									
Delta Campground									
Slide Creek Campground									
French Pete Campground									

Holiday Farm Study Area Local Campgrounds, Continued	
Mona Campground	
Lookout Campground and Boat Launch	
Horse Creek Group Camp	
Paradise Campground	
McKenzie Bridge Campground	
Sunnyside Campground	
Cougar Crossing Campground	



Map of Channelized Debris Flow Deposit Areas (Fans), Holiday Farm Fire Study Area, Lane County, Oregon

2025

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APPENDIX C, FIGURE C-2

- × Summit

Local road

Highway

River or stream
- Waterbody

Study extent

Campground

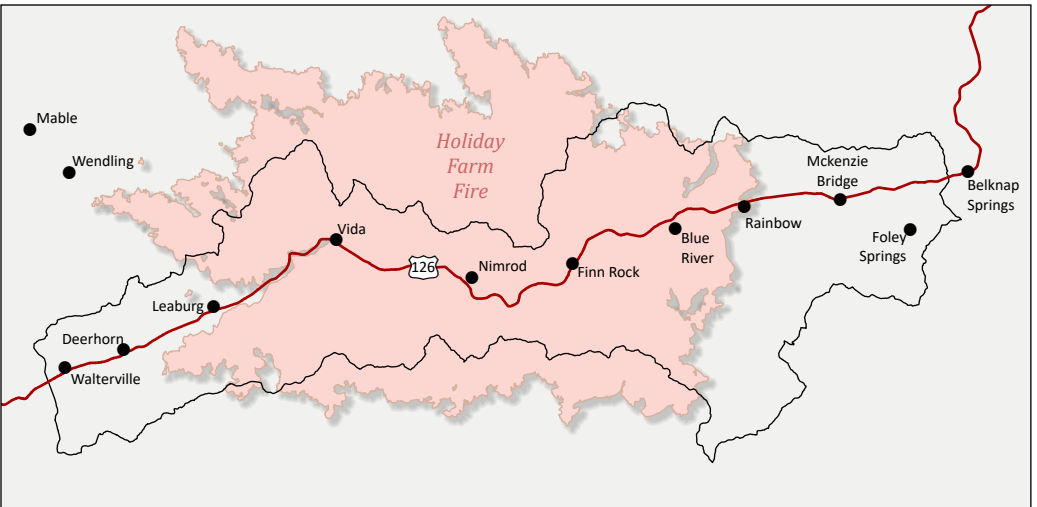
Building
- Land ownership

Federal

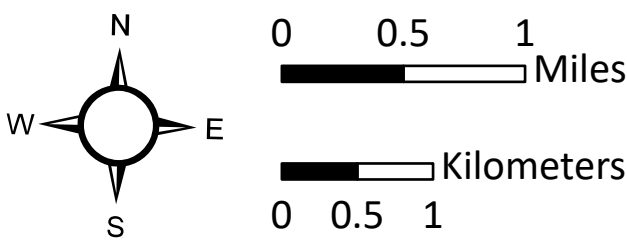
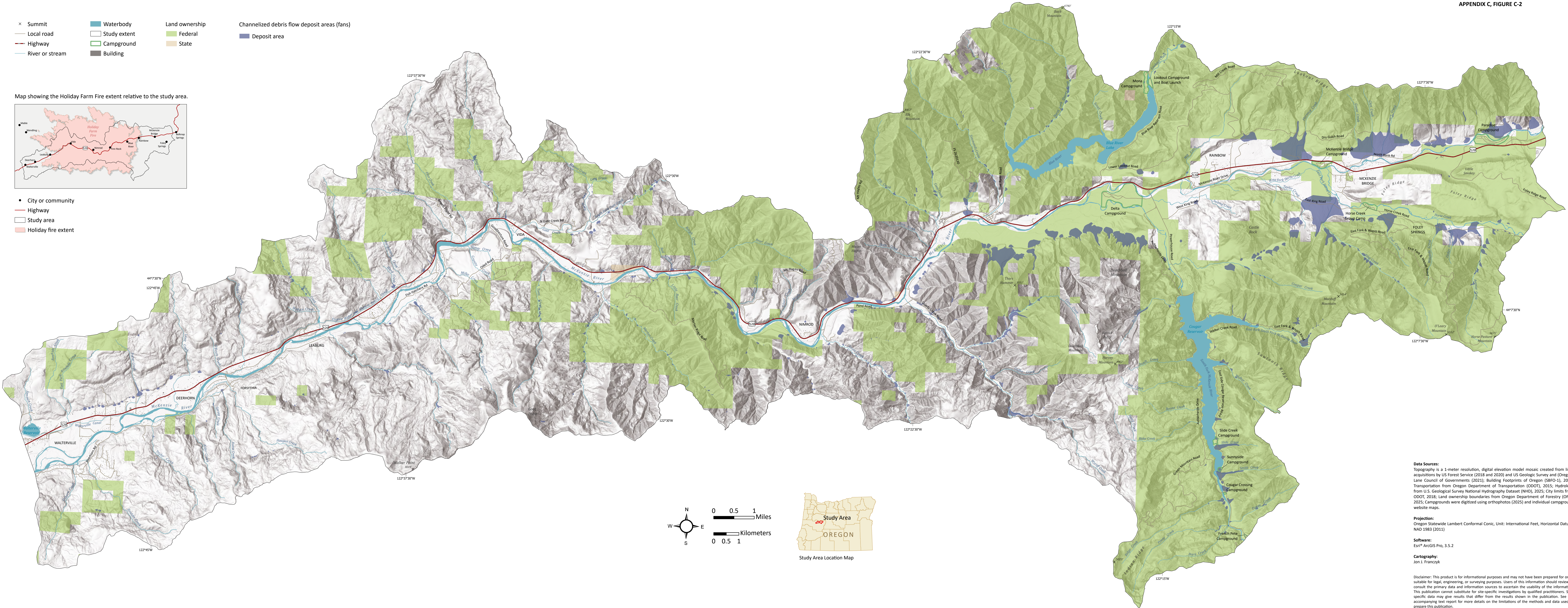
State
- Channelized debris flow deposit areas (fans)

Deposit area

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



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Table C-2. Summary of historic channelized debris flows pre- and post-fire within and adjacent to the Holiday Farm study area

Pre-Fire Debris Flows		
Imagery Date Range	Number of Years	Number of Debris Flow Events
1964-1965	2	1
pre 1995	5	145
1995-2000	5	184
2000-2005	5	42
2005-2009	4	51
2009-2011	3	1
2011-2012	2	35
2012-2013	2	1
2013-2014	2	25
2014-2016	3	2
2016-2018	5	21
Total	38	508
Post-Fire Lidar Change Analysis		
Lidar Date Range	Number of Years	Number of Debris Flow Events
February 2021	2	1
2020-2022	2	70
Total	2	71



Map of Historic Channelized Debris Flow Events, Holiday Farm Fire Study Area, Lane County, Oregon

2025

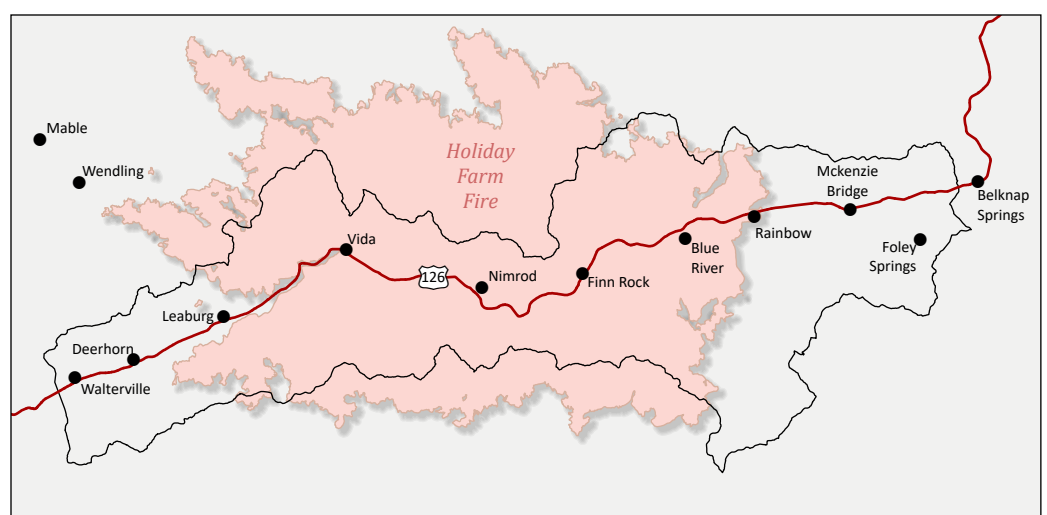
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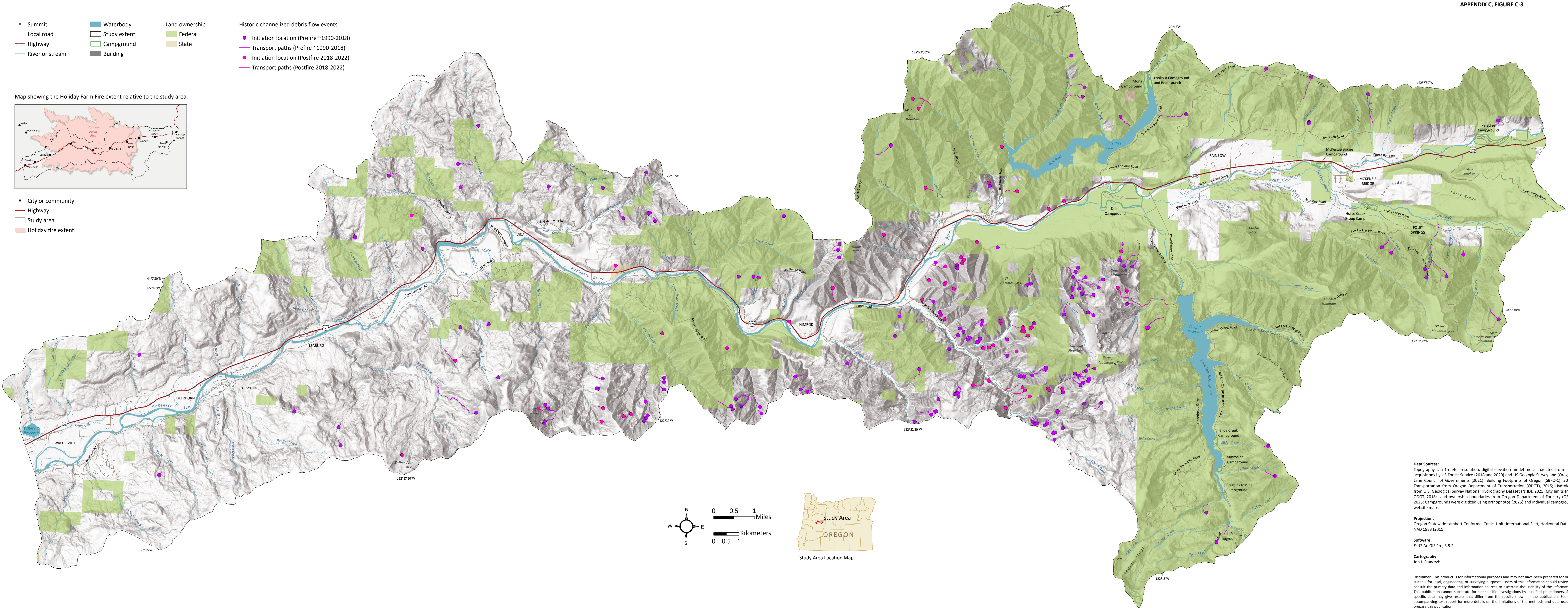
APPENDIX C, FIGURE C-3

- × Summit
- Local road
- Highway
- River or stream
- Waterbody
- Study extent
- Campground
- Building
- Land ownership
 - Federal
 - State
- Historic channelized debris flow events
 - Initiation location (Prefire ~1990-2018)
 - Transport paths (Prefire ~1990-2018)
 - Initiation location (Postfire 2018-2022)
 - Transport paths (Postfire 2018-2022)

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



Data Sources:
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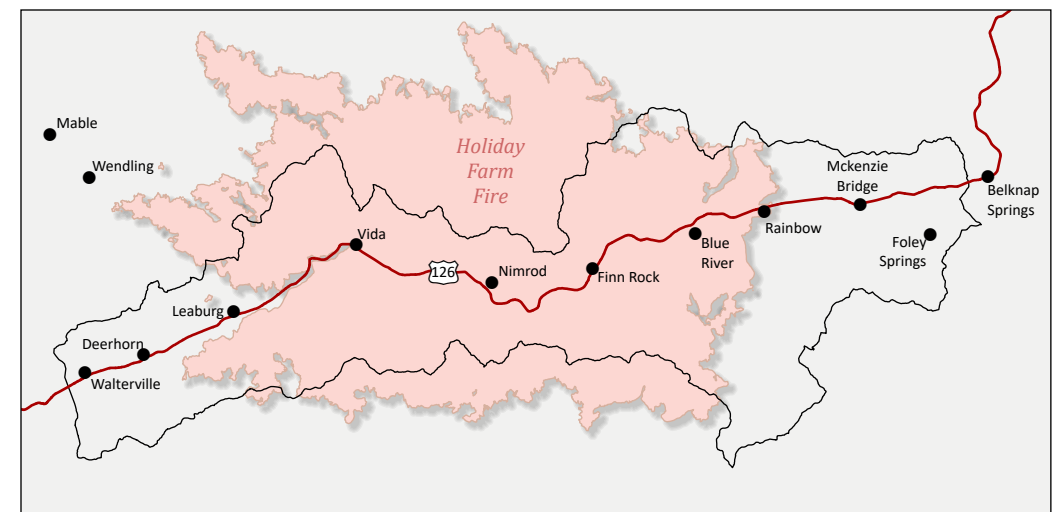
Map of Terrain Reconditioning and Masking Areas, Holiday Farm Fire Study Area, Lane County, Oregon

2025

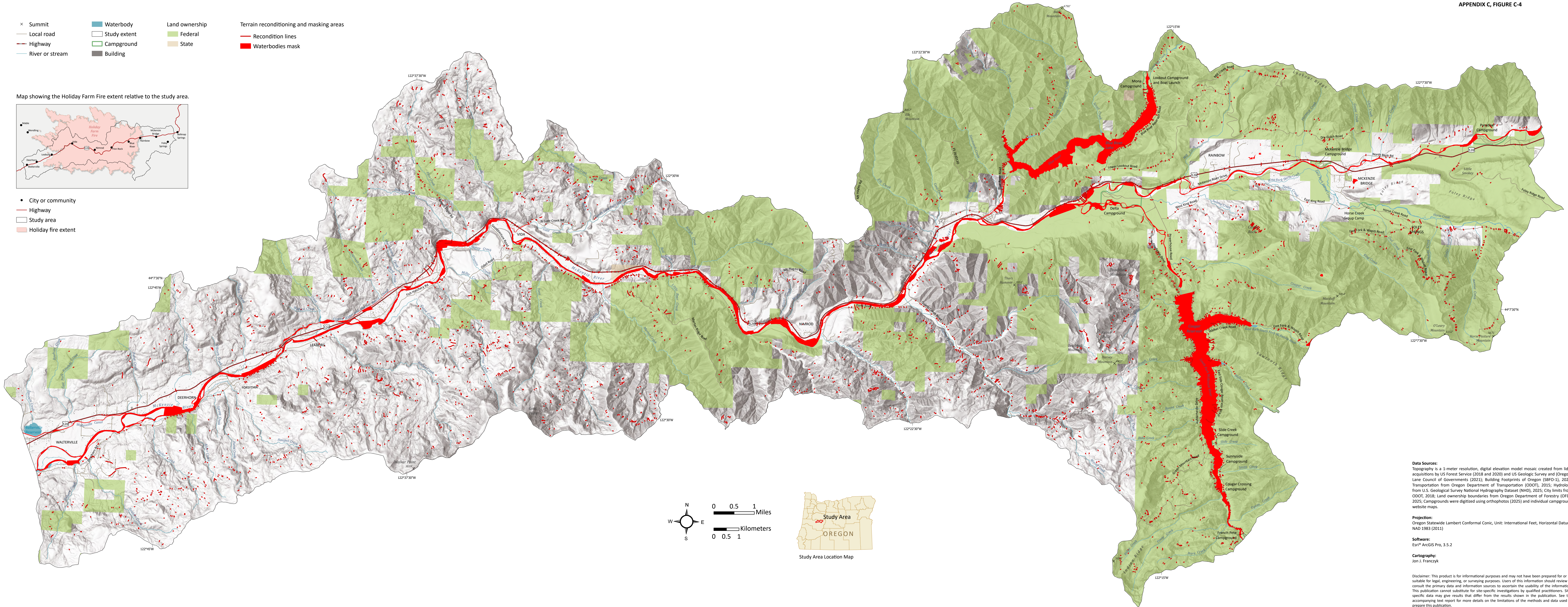
APPENDIX C, FIGURE C-4

- × Summit
- Local road
- Highway
- River or stream
- Waterbody
- Study extent
- Campground
- Building
- Land ownership
 - Federal
 - State
- Terrain reconditioning and masking areas
 - Recondition lines
 - Waterbodies mask

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



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Map of the Upper-Lower Bounds, Holiday Farm Fire Study Area, Lane County, Oregon

2025

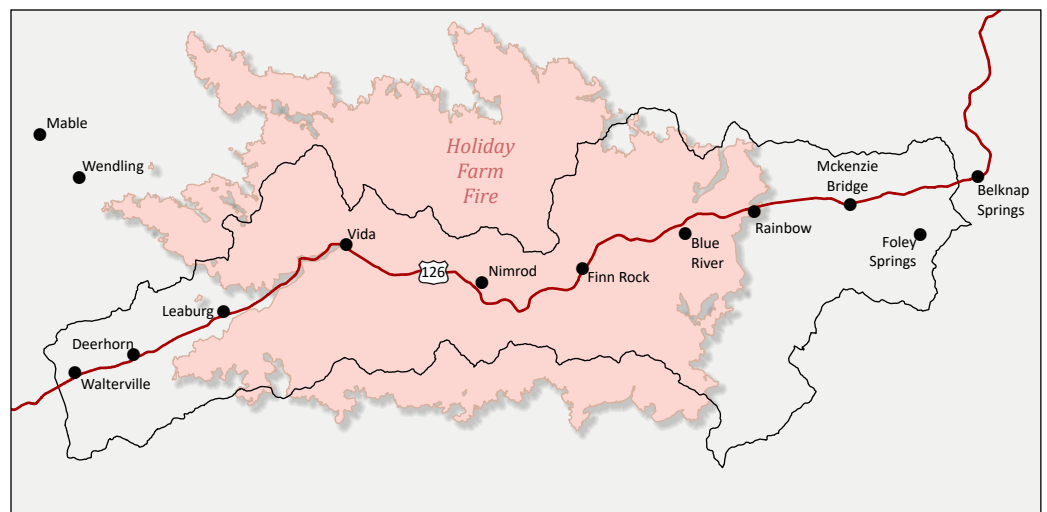
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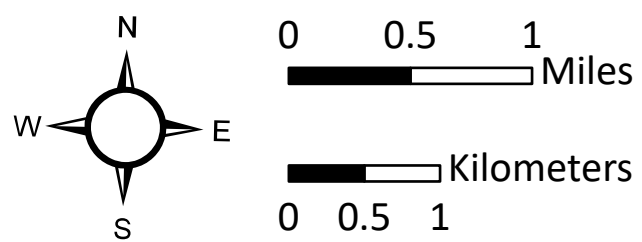
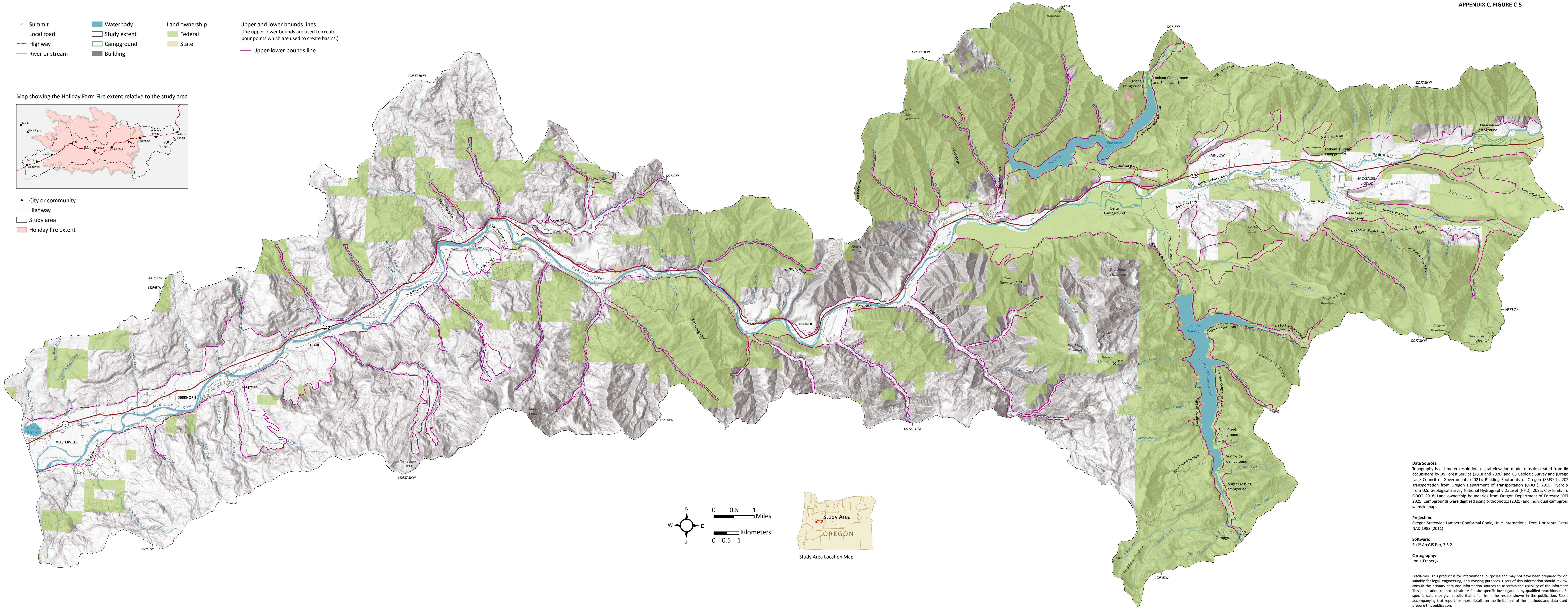
APPENDIX C, FIGURE C-5

- × Summit
- Local road
- Highway
- River or stream
- Waterbody
- Study extent
- Campground
- Building
- Land ownership
 - Federal
 - State
- Upper and lower bounds lines
(The upper-lower bounds are used to create pour points which are used to create basins.)
- Upper-lower bounds line

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



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Map of the Growth Factors for Modeling Inundation Susceptibility, Holiday Farm Fire Study Area, Lane County, Oregon

2025

Open File Report O-25-09

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APPENDIX C, FIGURE C-6

- × Summit

Local road

Highway

River or stream
- Waterbody

Study extent

Campground

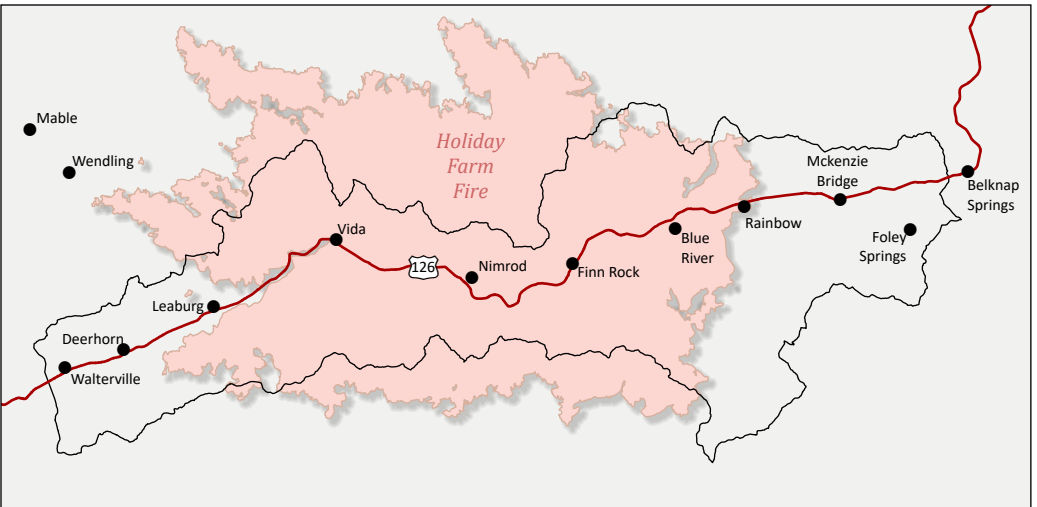
Building
- Growth factor (ft^3/ft^2) and maximum volume (ft^3) sections

typical very small, intermediate very small, and extreme very small

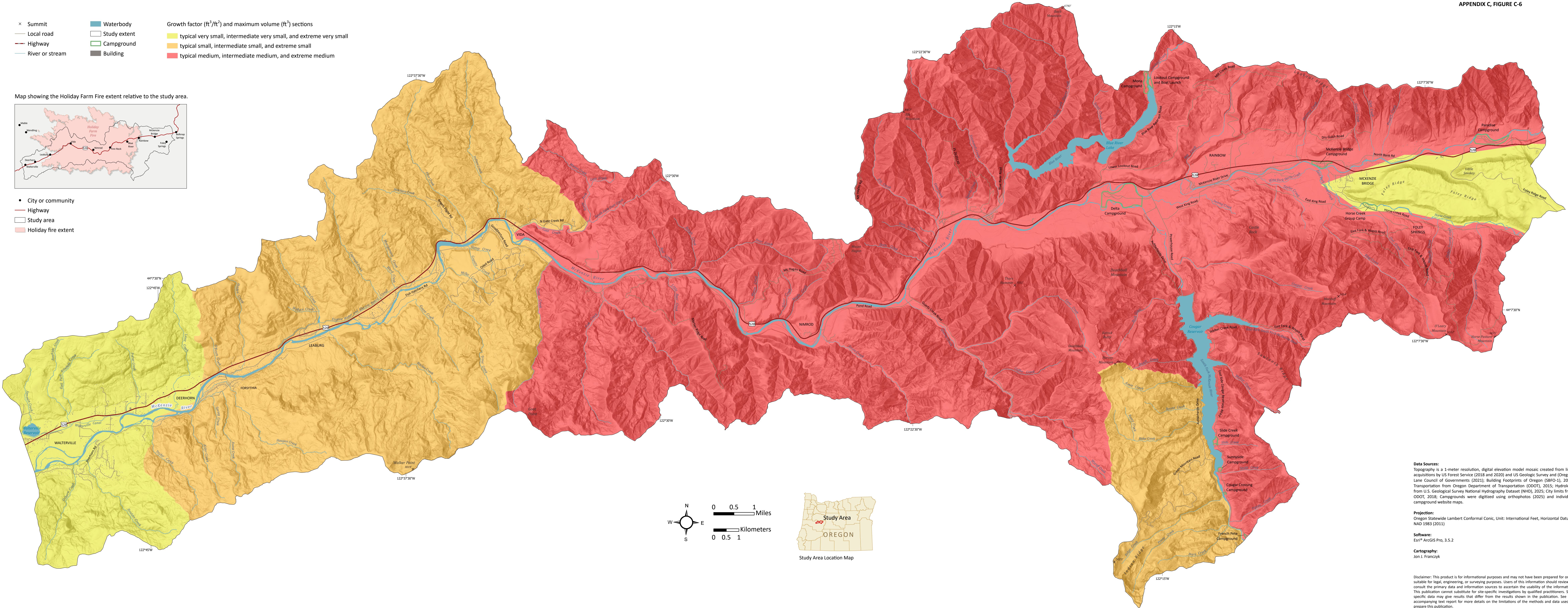
typical small, intermediate small, and extreme small

typical medium, intermediate medium, and extreme medium

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



Data Sources:
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Map of Initiation Susceptibility, Holiday Farm Fire Study Area, Lane County, Oregon

2025

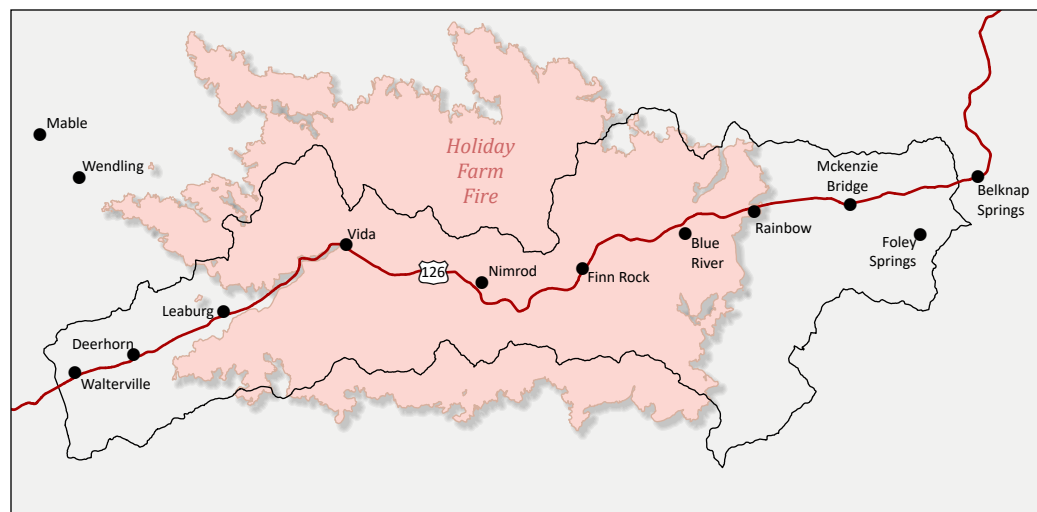
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Debris Flow Hazard, Risk, and Risk Reduction, Eagle Creek, Beachie Creek-Lionshead, Holiday Farm, and Archie Creek Fires, Multnomah, Hood River, Marion, Lane, and Douglas Counties, Oregon

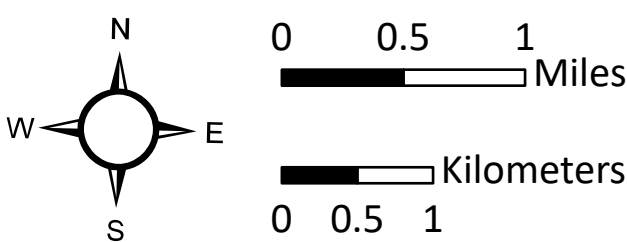
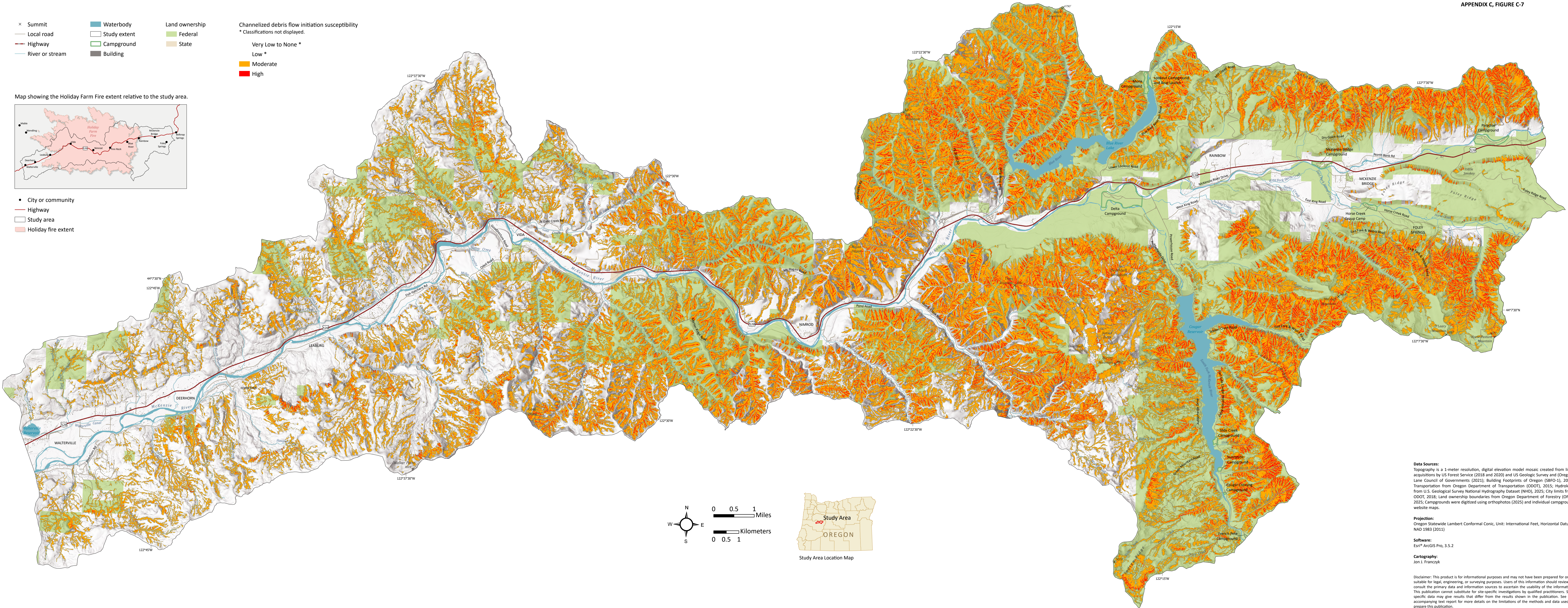
APPENDIX C, FIGURE C-7

- × Summit
- Local road
- Highway
- River or stream
- Waterbody
- Study extent
- Campground
- Building
- Land ownership
 - Federal
 - State
- Channelized debris flow initiation susceptibility
 - Very Low to None *
 - Low *
 - Moderate
 - High

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



Study Area Location Map

Data Sources:
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Map of Transport Susceptibility, Holiday Farm Fire Study Area, Lane County, Oregon

2025

- × Summit

Local road

Highway

Waterbody
- Study extent

Campground

Building
- Land ownership

Federal

State
- Channelized debris flow transport susceptibility

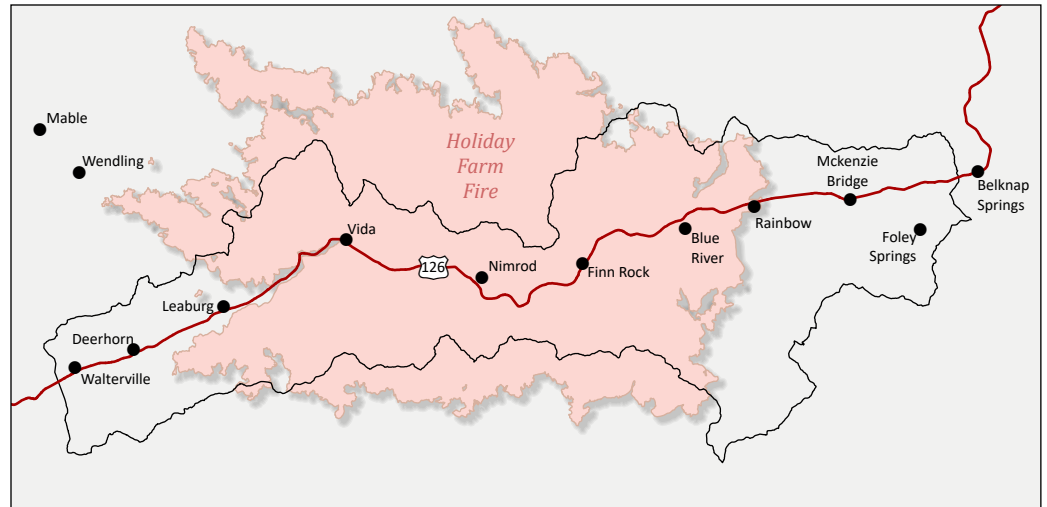
Very Low to None

Low

Moderate

High

Map showing the Holiday Farm Fire extent relative to the study area.

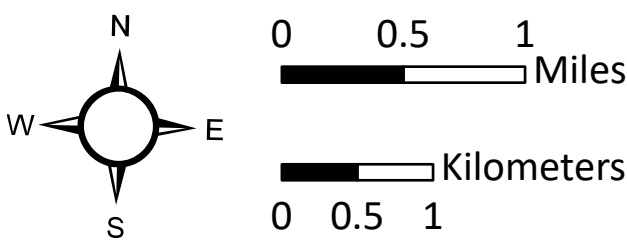
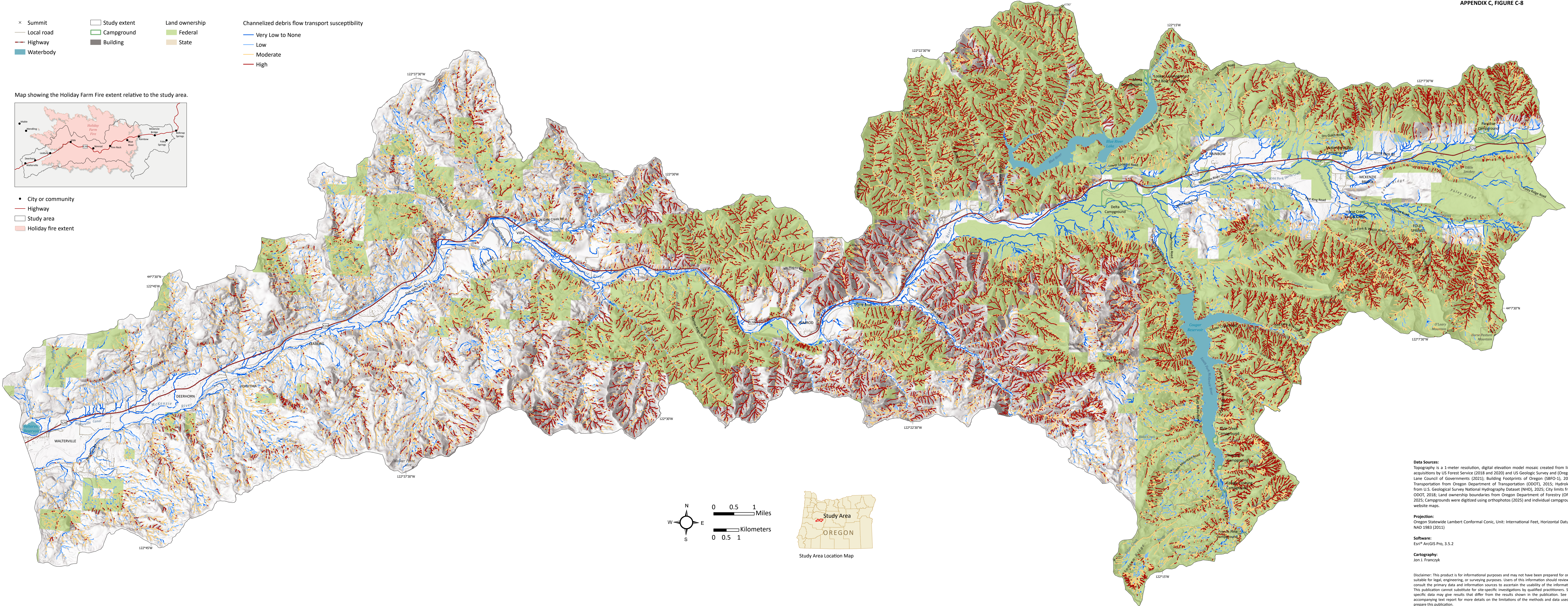


- City or community

Highway

Study area

Holiday fire extent



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Map of Basin Susceptibility, Holiday Farm Fire Study Area, Lane County, Oregon

2025

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APPENDIX C, FIGURE C-9

- × Summit

— Local road

— Highway

— River or stream
- Waterbody

Study extent

Campground

Building
- Basins Susceptibility

* Symbology indicates minimal susceptibility.

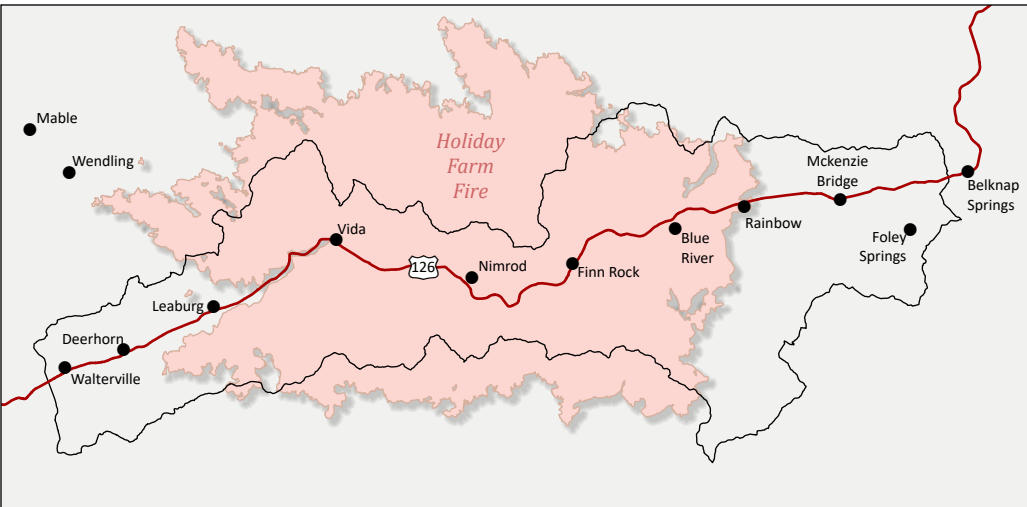
Very Low to None *

Low *

Moderate

High

Map showing the Holiday Farm Fire extent relative to the study area.

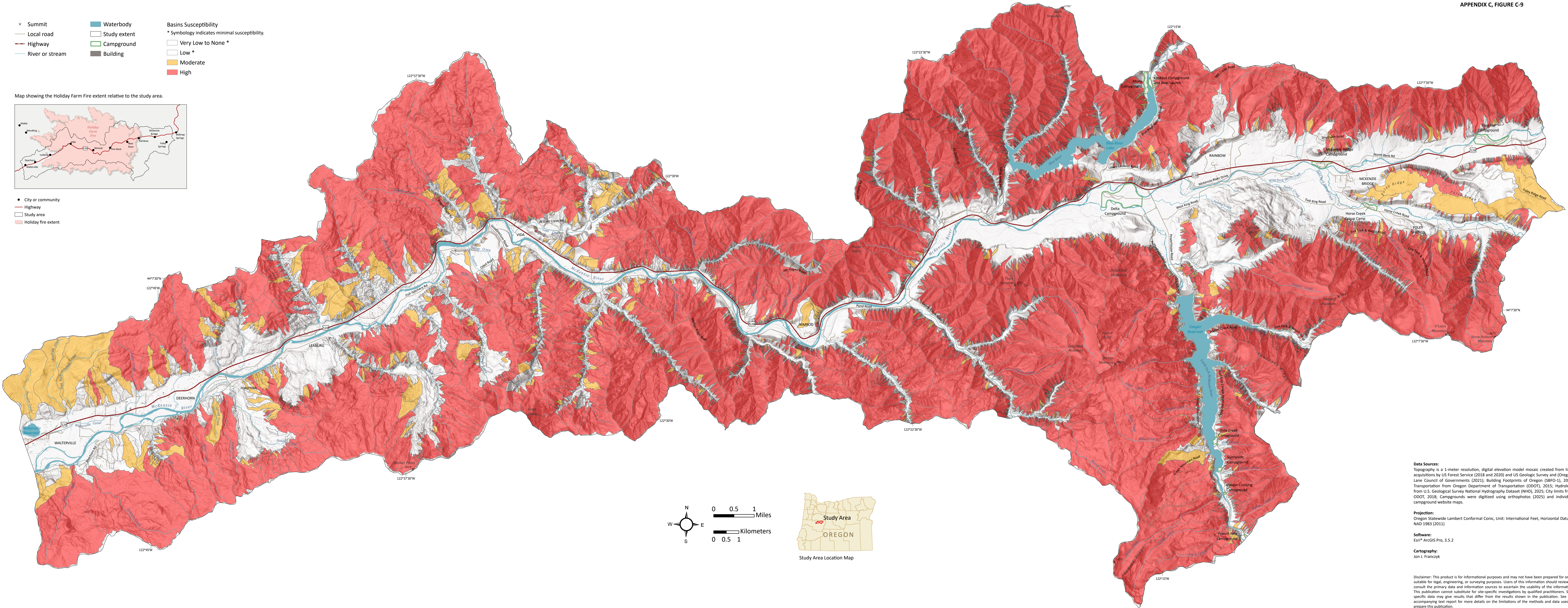


- City or community

— Highway

Study area

Holiday fire extent



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Map of Inundation Susceptibility, Holiday Farm Fire Study Area, Lane County, Oregon

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APPENDIX C, FIGURE C-10

- × Summit

Local road

Highway

River or stream
- Waterbody

Study extent

Campground

Building
- Land ownership

Federal

State
- Channelized debris flow inundation susceptibility

Typical

Extreme

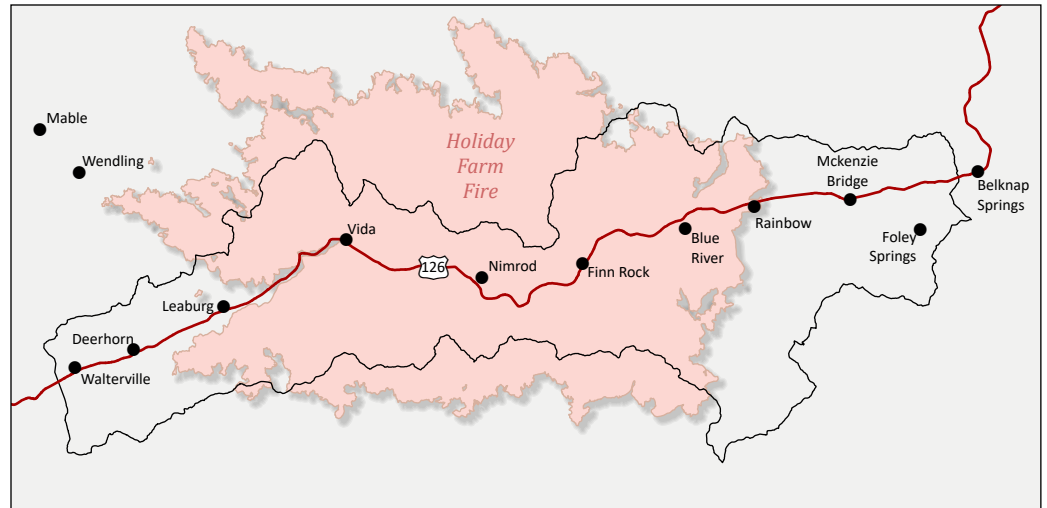
Intermediate
- Transport

Deposition

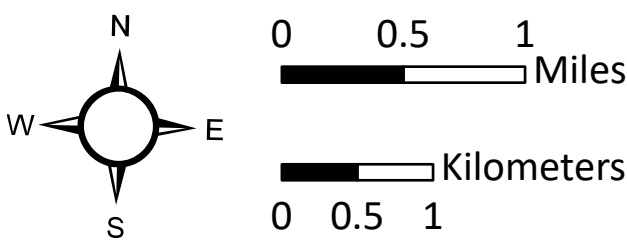
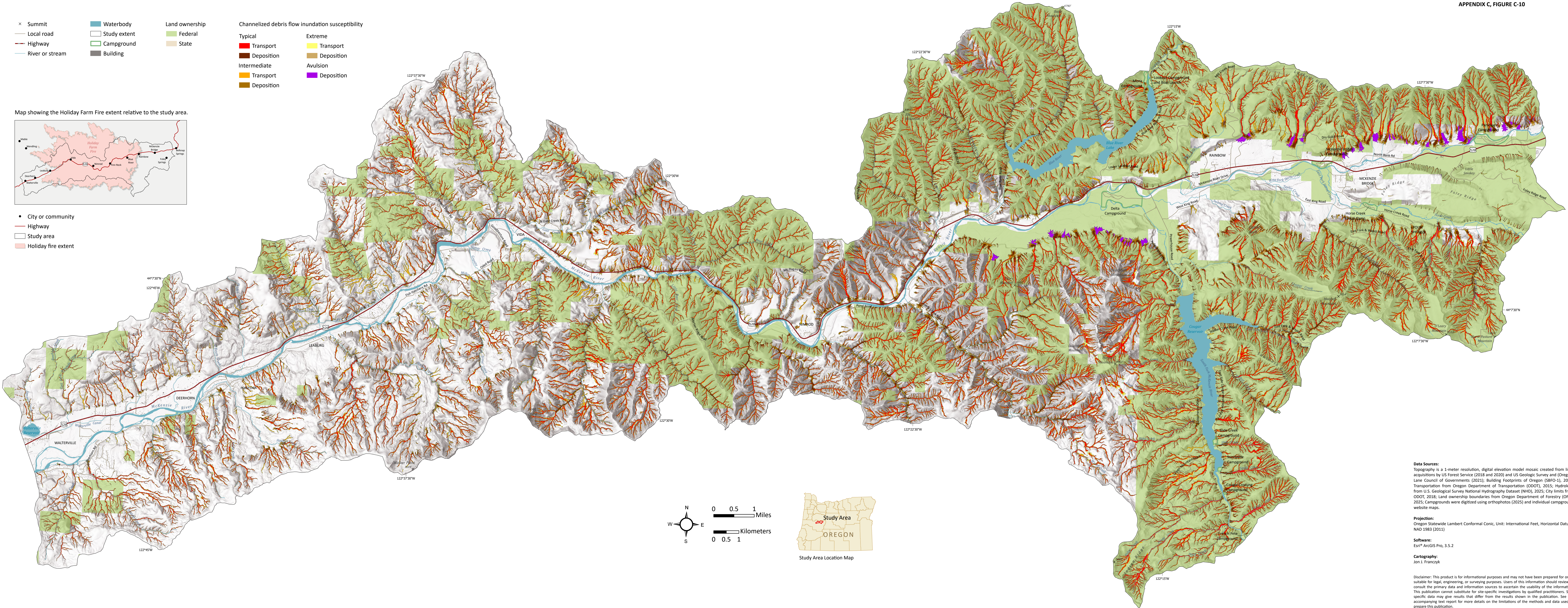
Transport

Deposition

Map showing the Holiday Farm Fire extent relative to the study area.



- City or community
- Highway
- Study area
- Holiday fire extent



Study Area Location Map

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Table C-3. Results of post-fire debris flow risk analysis of assets in the entire Holiday Farm study area

Risk Analysis by Land Use Categories in the Holiday Farm Study Area								
—		Typical Inundation	Intermediate Inundation	Extreme Inundation	Avulsion	Fan Deposit	Number of Assets at Risk ²	Percent of Total Assets at Risk
<div>Agricultural</div>	Buildings 	38	119	193	1	79	231	10.6%
	Value 	\$7,585,418	\$24,986,461	\$38,236,671	\$62,504	\$17,634,504	\$46,107,769	12.1%
	Critical Facilities ¹ 	0	0	0	0	0	0	0%
<div>Commercial</div>	Buildings 	0	0	0	0	0	0	0%
	Value 	\$0	\$0	\$0	\$0	\$0	\$0	0%
	Critical Facilities 	0	0	0	0	0	0	0%
<div>Educational</div>	Buildings 	0	0	0	0	0	0	0%
	Value 	\$0	\$0	\$0	\$0	\$0	\$0	0%
	Critical Facilities 	0	0	0	0	0	0	0%

¹Critical facilities are services essential to public health and safety, emergency response, or vital community services, e.g., hospitals, fire stations, water treatment plants.

² Indicates the number of respective assets affected by any combination of risk types, e.g., a building may be at risk of typical and intermediate inundation as well as avulsion. For further explanation, see Section 3 of the report.

Risk Analysis by Land Use Categories in the Holiday Farm Study Area, Continued									
—			Typical Inundation	Intermediate Inundation	Extreme Inundation	Avulsion	Fan Deposit	Number of Assets at Risk	Percent of Total Assets at Risk
Government 	Buildings		0	0	0	0	0	0	0%
	Value		\$0	\$0	\$0	\$0	\$0	\$0	0%
	Critical Facilities		0	0	0	0	0	0	0%
Industrial 	Buildings		0	0	0	0	0	0	0%
	Value		\$0	\$0	\$0	\$0	\$0	\$0	0%
	Critical Facilities		0	0	0	0	0	0	0%
Religious 	Buildings		0	0	0	0	0	0	0%
	Value		\$0	\$0	\$0	\$0	\$0	\$0	0%
	Critical Facilities		0	0	0	0	0	0	0%

Risk Analysis by Land Use Categories in the Holiday Farm Study Area, Continued									
—			Typical Inundation	Intermediate Inundation	Extreme Inundation	Avulsion	Fan Deposit	Number of Assets at Risk	Percent of Total Assets at Risk
Residential 	Buildings		38	97	156	2	50	191	9.0%
	Permanent Residents		63	168	265	6	80	321	8.8%
	Value		\$11,254,228	\$30,273,645	\$47,626,763	\$1,025,753	\$14,379,992	\$57,715,085	8.8%
	Critical Facilities		0	0	0	0	0	0	0%
Total Impacted Structures	Buildings		76	216	349	3	129	422	9.5%
	Permanent Residents		63	168	265	6	80	321	8.8%
	Value		\$18,839,646	\$55,260,106	\$85,863,434	\$1,088,257	\$32,014,496	\$103,822,854	9.4%
	Critical Facilities		0	0	0	0	0	0	0%

Risk Analysis by Road Type in the Holiday Farm Study Area							
	Typical Inundation	Intermediate Inundation	Extreme Inundation	Avulsion	Fan Deposit	Number of Assets at Risk	Percent of Total Assets at Risk
Highways (mi)	4	8	11	0	1	11	26.0%
Local Roads (mi)	31	45	55	1	10	59	31.2%
Total Impacted Miles	35	54	65	1	12	70	30.2%
Risk Analysis at Local Campgrounds in the Holiday Farm Study Area							
Delta Campground	—	—	—	—	—	—	—
Slide Creek Campground	✓	✓	✓	—	✓	—	—
French Pete Campground	—	—	✓	—	—	—	—
Mona Campground	✓	✓	✓	—	✓	—	—
Lookout Campground & Boat Launch	✓	✓	✓	—	—	—	—
Horse Creek Group Camp	—	—	—	—	—	—	—
Paradise Campground	—	—	—	—	—	—	—
McKenzie Bridge Campground	—	—	—	—	—	—	—
Sunnyside Campground		✓	✓		✓	—	—
Cougar Crossing Campground	✓	✓	✓	—	—	—	—
Total Impacted Campgrounds	4	5	6	0	3	6	60.0%