



Report: Exposure Analysis

Exposure Analysis Name: OMD Exposure Analysis 20220114

Landscape Name: LCP 40 North_South Non Burn Run 1-60m - camp_umatilla_boundary

Landscape Burn Probability Model Output Name: UMA Camp Umatilla Lnd_Burn_Prob
20220113

HVRA Set: OMD HVRA Infrastructure 20220113

Area of Interest: camp_umatilla_boundary

Prepared by: Richard McCrea

Date: Fri Jan 21 14:44:07 EST 2022

Landscape Burn Probability

Run Name: OMD Exposure Analysis 20220114

Source Landscape Name: LCP 40 North_South Non Burn Run 1-60m

Landscape Version: LANDFIRE 2016

Source Landscape Acres: 328,143

Area of Interest Name: camp_umatilla_boundary

Area of Interest Acres: 7,540

Model Run Name: UMA Camp Umatilla Lnd_Burn_Prob 20220113

Model Type: Landscape Burn Probability

Run Date: Thu Jan 13 14:22:21 EST 2022

Wind Type: Gridded Winds

Wind Speed: 15 mph

Wind Direction: 225 deg

Crown Fire Method: Scott/Reinhardt

Foliar Moisture: 100

Conditioning: On - Extreme - Columbia Plateau

Conditioning Start: Wed Jul 15 13:00:00 EDT 2009

Conditioning End: Tue Jul 21 16:00:00 EDT 2009

Run Resolution: 60 m

Number of Fires: 35,624

Burn Period: 8 hours

Spotting Probability: 20 %

Percent Burnable Cells Burned: 97 %

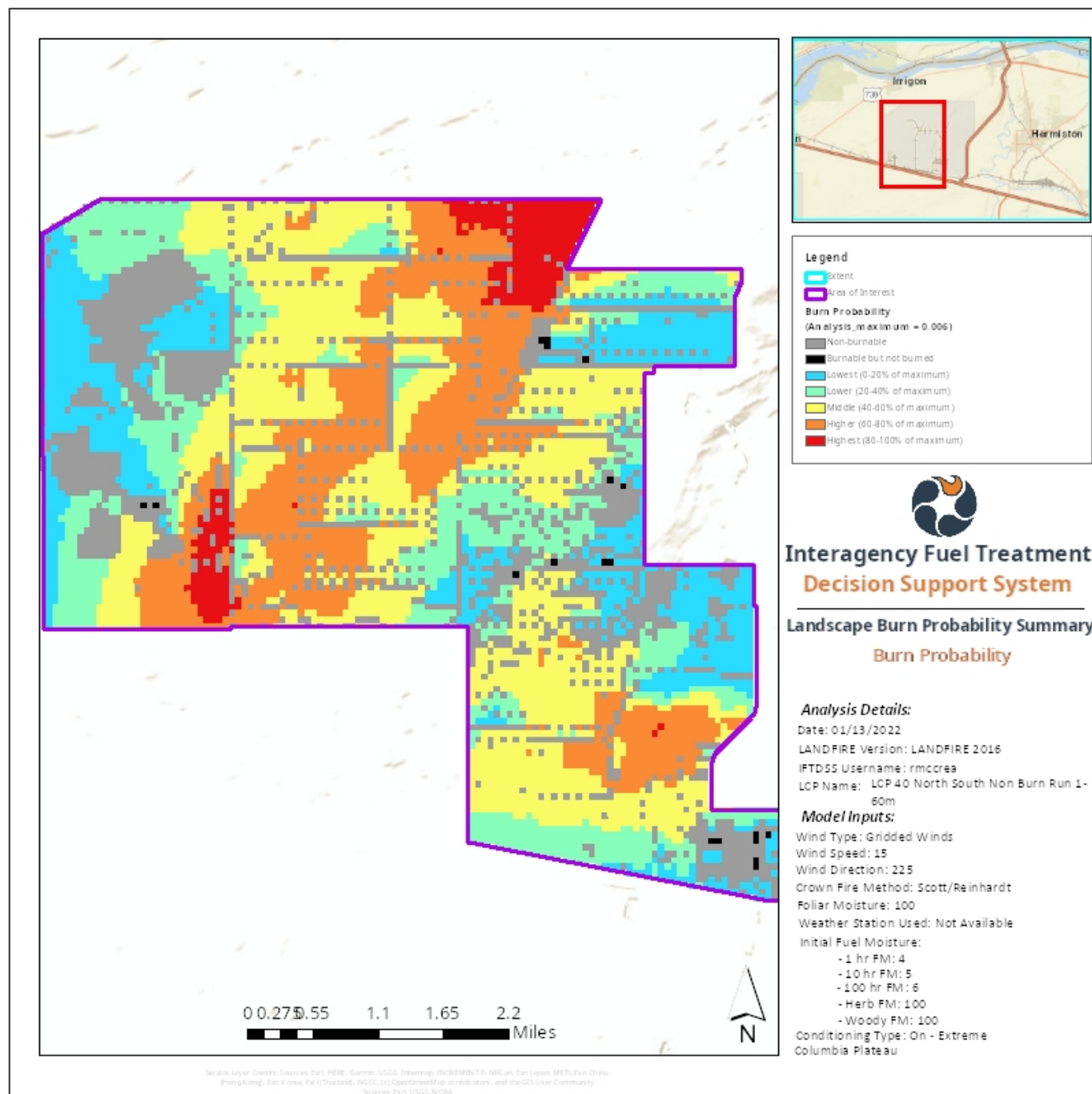
Analysis Maximum Burn Probability: 0.006

HVRA Maximum Burn Probability: 0.006

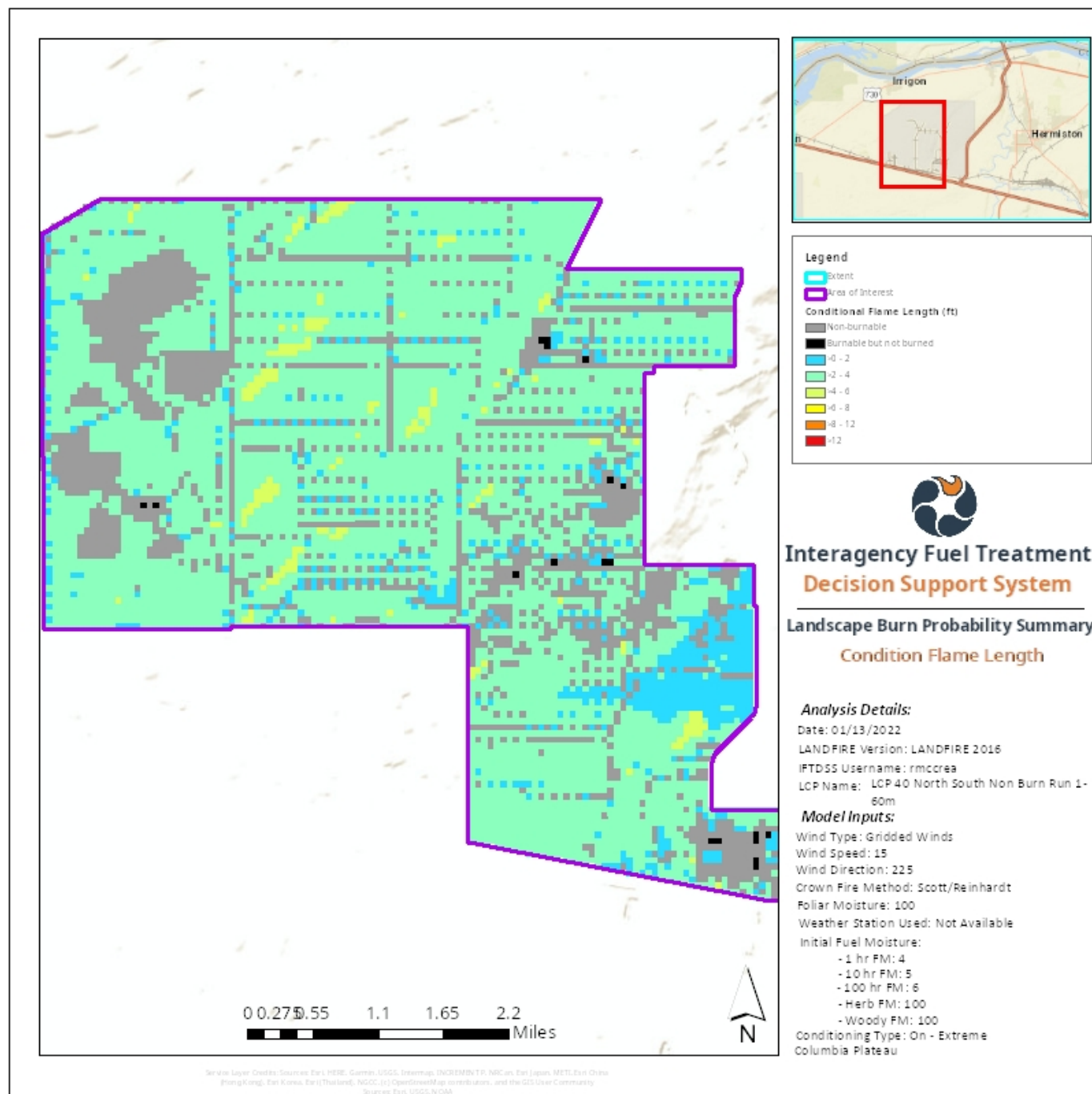
HVRA Set: OMD HVRA Infrastructure 20220113

Fuel Model	1 Hr Fuel Moisture	10 Hr Fuel Moisture	100 Hr Fuel Moisture	Live Herbaceous Fuel Moisture	Live Woody Fuel Moisture
All	4	5	6	100	100

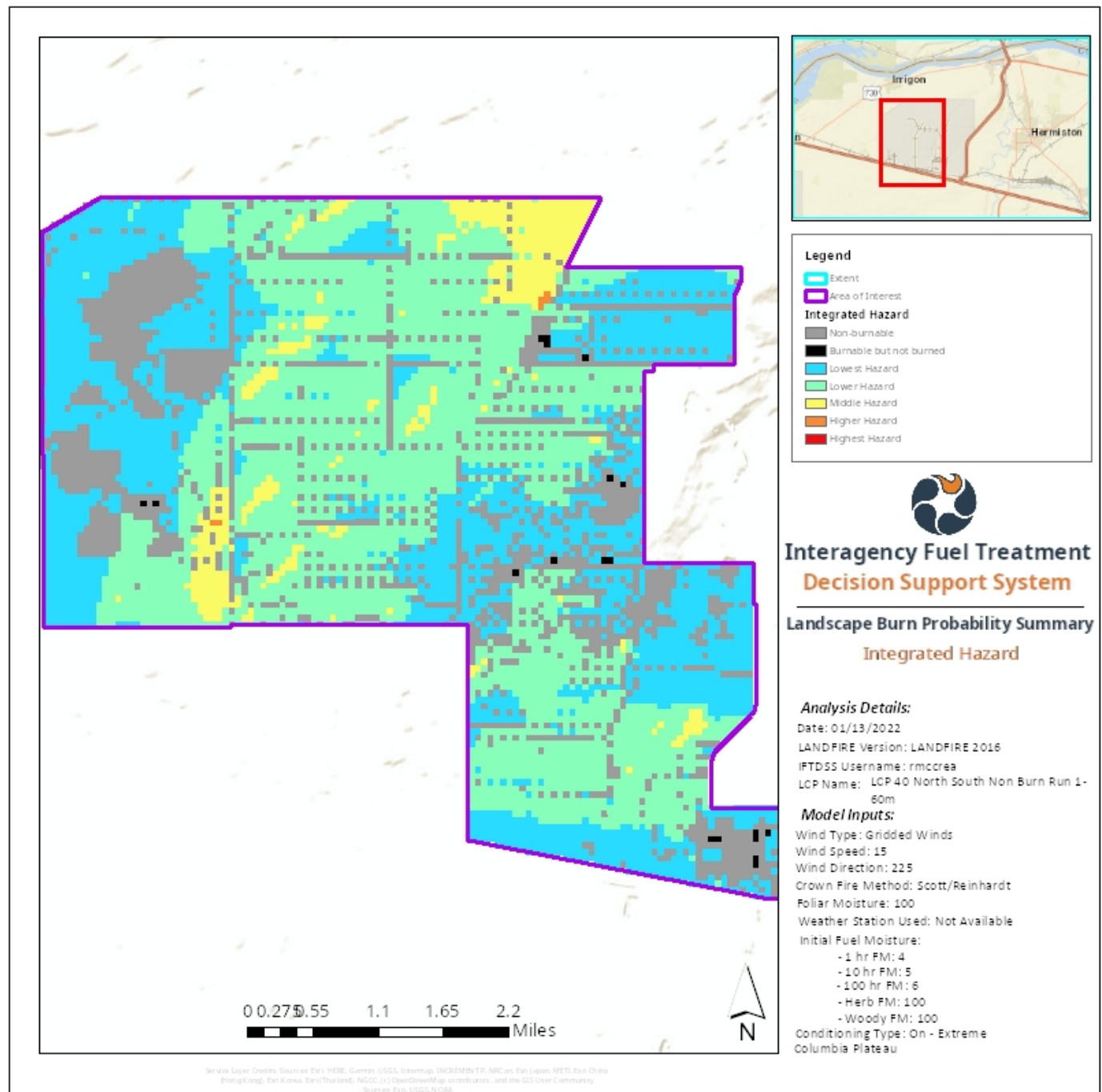
Burn Probability



Conditional Flame Length



Integrated Hazard

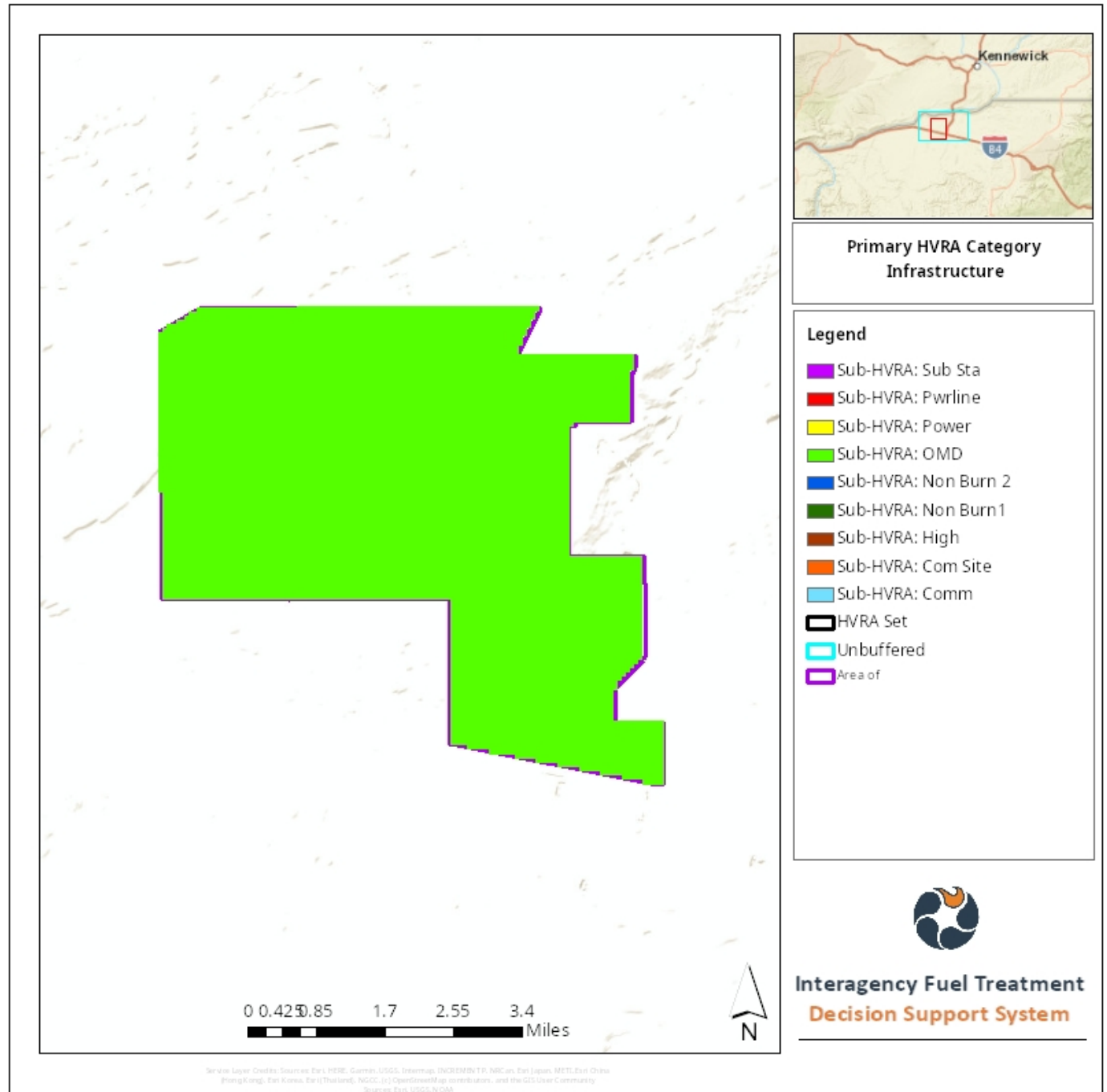


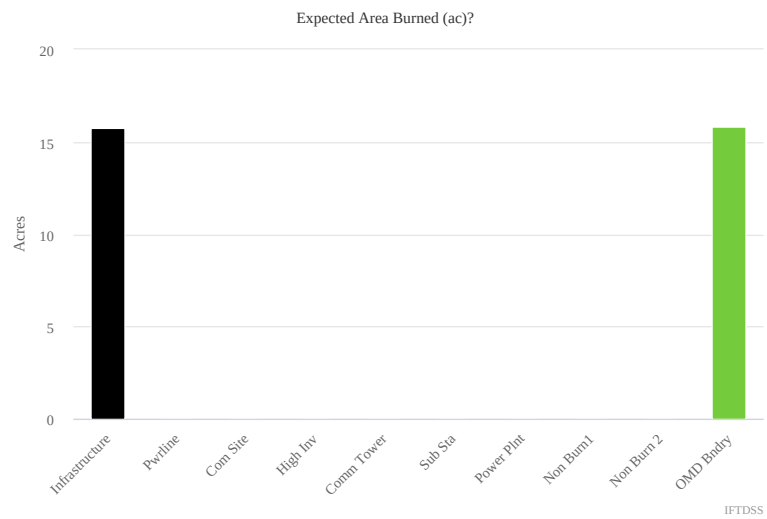
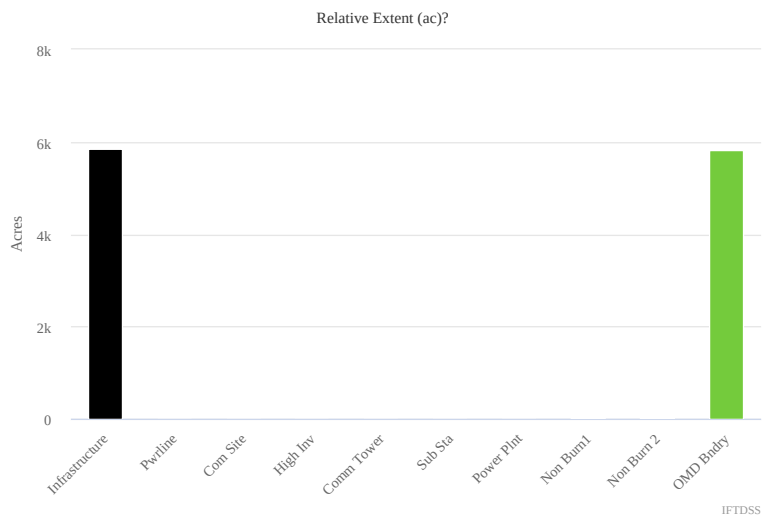
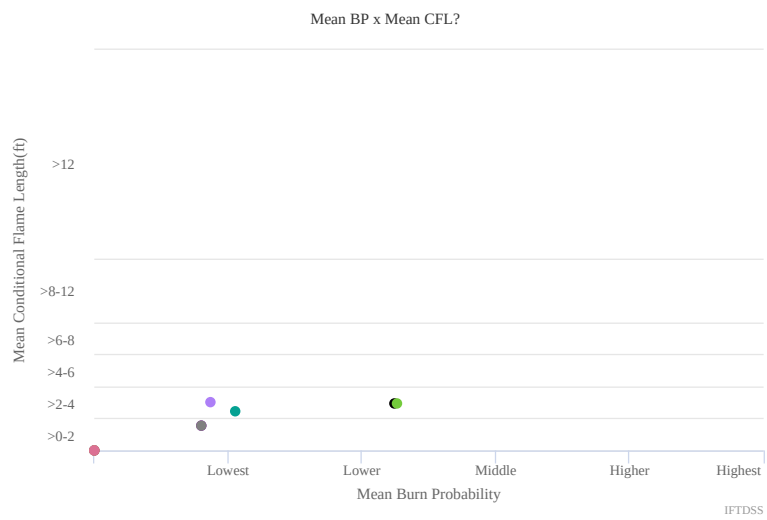
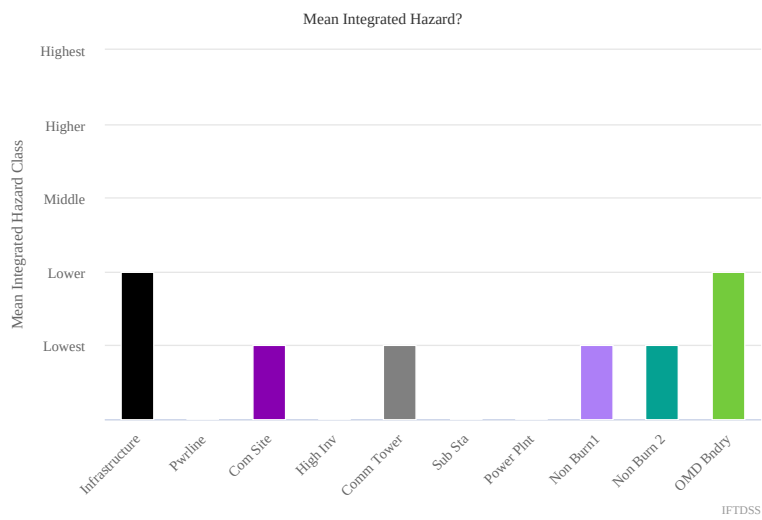
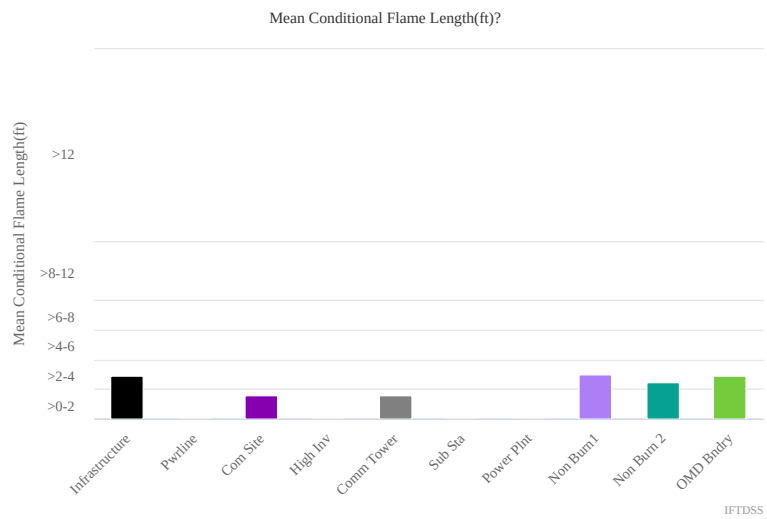
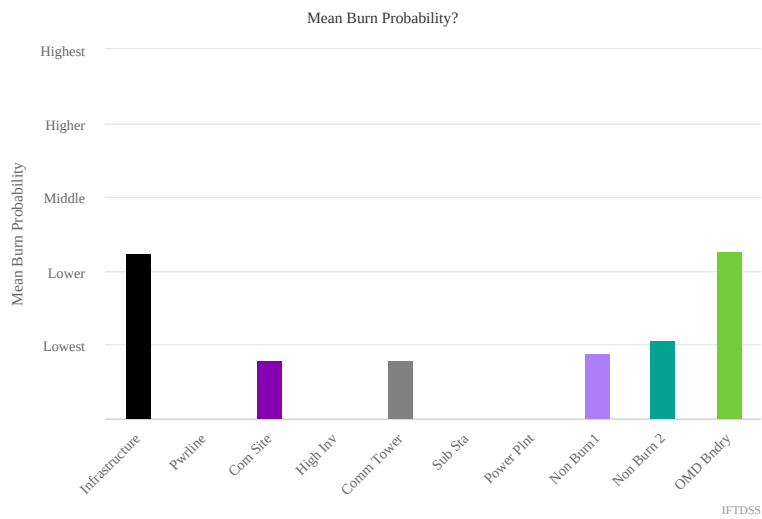
Primary HVRA Summary



Primary HVRA Summary					
Primary HVRA Category	Relative Extent (ac)	Expected Area Burned (ac)	Mean Burn Probability	Mean Conditional Flame Length (ft)	Mean Integrated Hazard Class
Infrastructure	5,849	16	0.00270	2.90	lower

Infrastructure





Primary HVRA: Infrastructure							
Primary HVRA Category	Sub-HVRA Name	Sub-HVRA Short Name	Relative Extent (ac)	Expected Area Burned (ac)	Mean Burn Probability	Mean Conditional Flame Length (ft)	Mean Integrated Hazard Class
Infrastructure			5,849	16	0.00270	2.90	low
	Powerlines	Pwrline	0	0	0.00000	0.00	n
	Communication Sites	Com Site	2	0	0.00096	1.55	lowe
	High Investment Buildings and Developed Recreation Sites	High Inv	0	0	0.00000	0.00	n
	Communication Towers	Comm Tower	2	0	0.00096	1.55	lowe
	Electric Sub Stations	Sub Sta	0	0	0.00000	0.00	n
	Power Plants	Power Plnt	0	0	0.00000	0.00	n
	West Non_Burnable_North	Non Burn1	16	0	0.00105	3.03	lowe
	West Non_Burnable_South	Non Burn 2	14	0	0.00127	2.43	lowe
	camp_umatilla_boundary	OMD Bndry	5,815	16	0.00272	2.91	low

HVRA Summary Statistics							
Primary HVRA Category	Sub-HVRA Name	Sub-HVRA Short Name	Relative Extent (ac)	Expected Area Burned (ac)	Mean Burn Probability	Mean Conditional Flame Length (ft)	Mean Integrated Hazard Class
Infrastructure			5,849	16	0.00270	2.90	low
	Powerlines	Pwrline	0	0	0.00000	0.00	none
	Communication Sites	Com Site	2	0	0.00096	1.55	low
	High Investment Buildings and Developed Recreation Sites	High Inv	0	0	0.00000	0.00	none
	Communication Towers	Comm Tower	2	0	0.00096	1.55	low
	Electric Sub Stations	Sub Sta	0	0	0.00000	0.00	none
	Power Plants	Power Plnt	0	0	0.00000	0.00	none
	West Non_Burnable_North	Non Burn1	16	0	0.00105	3.03	low
	West Non_Burnable_South	Non Burn 2	14	0	0.00127	2.43	low
	camp_umatilla_boundary	OMD Bndry	5,815	16	0.00272	2.91	low