

2020 Wildfire Preparedness Guide – Town of Hinton

Overview

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly coniferous spruce (C-2)/pine (C-3) and mixedwood (M-1) fuel types surrounding Town. Isolated pockets of coniferous and mixedwood fuel types within development areas. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Scattered structures with combustible wood-shake or old asphalt-shingle roofing materials. Many structures with combustible siding and decking materials. Structures on community perimeter and West River Road are at highest threat.
Infrastructure	<ul style="list-style-type: none"> ACCESS – West River Rd is dead-end road through hazardous coniferous fuels – EXTREME CAUTION IS ADVISED. WATER SUPPLY – Urban areas are serviced with pressurized fire-hydrant supply. Rural homes on West River Road and northeast-end of Thompson Lake zone have no fire-service water supply. POWERLINES - Overhead transmission and distribution powerlines throughout.

Staging Areas			
Map #	Name/Address	Lat/Long	Description
S1	West Staging 900 Carmichael Lane	53° 23.003' -117° 37.622'	Parks West Mall parking lot
S2	Central Staging 837 Switzer Dr.	53° 24.637' -117° 33.933'	Curling Rink parking lot
S3	East Staging 399 East River Rd.	53° 25.966' -117° 31.829'	Mary Reimer Park parking lot

Auto-Order List (minimum resource requirements for first operational period)				
Function	Apparatus / Equipment	Personnel		
Evacuation	2 – Tow Trucks	10 – Evacuation Teams (2) 10 – Roadblock Teams (2)		
Structure Protection	4 – Structure Engines (T1-T2) 2 – Wildland Engines (T3-T6) 4 – Water Tenders (T1/S1) 1 – Fuel Tender (Diesel) 1 – EMS Unit 2 – Structure Protection Units (T2) 10 – Relay Tanks (2500 gal.)			
Overhead/Support	1 – AFRRCS Mobile Radio Cache	1 – Structure Protection Specialist		

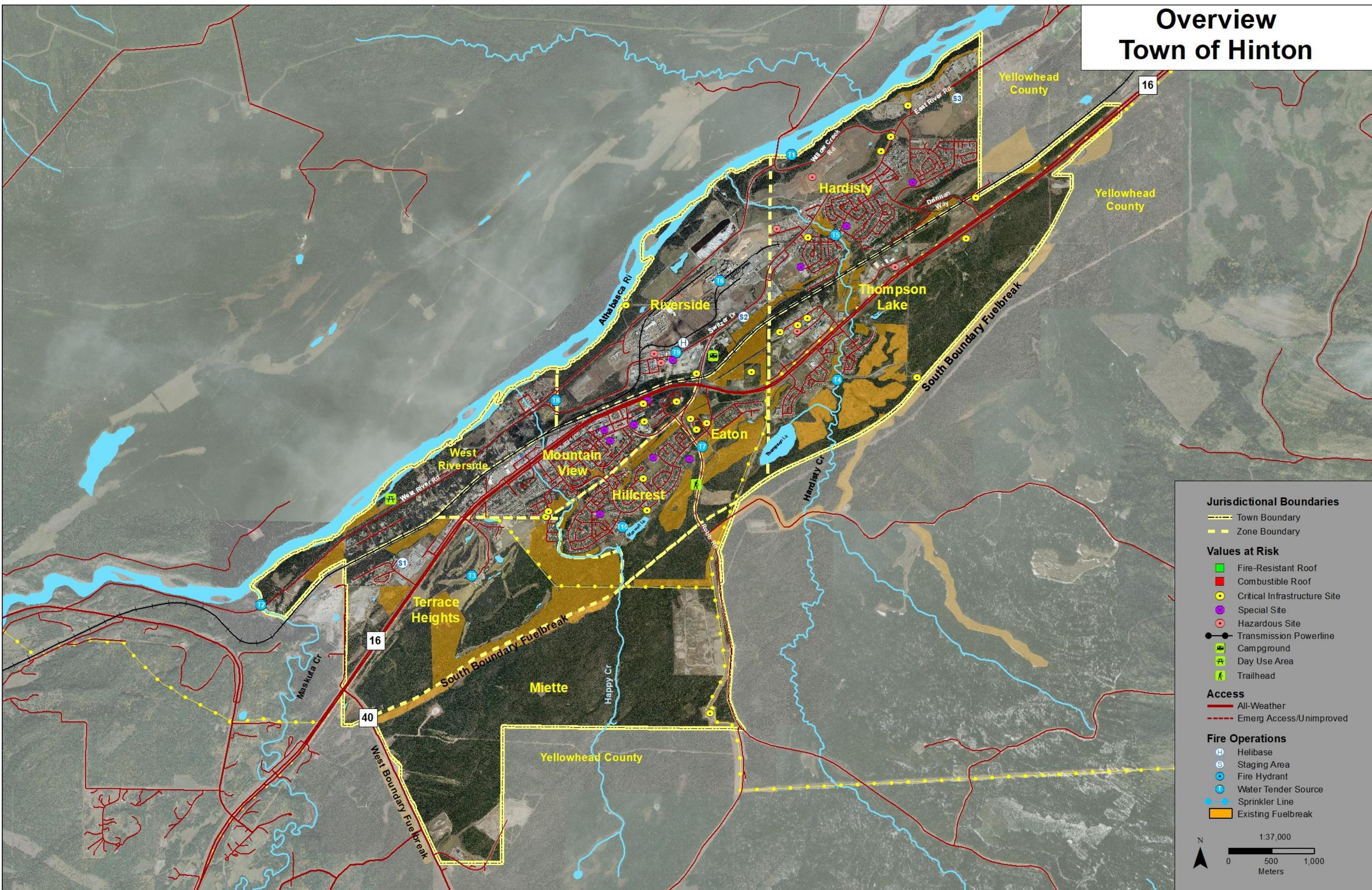
Mutual-Aid Communications				
Type	Channel Name	Receive (MHz)	Transmit (MHz)	
Command	Provincial Mutual-Aid Fire	156.855	156.855	
Tactical (to be assigned at incident)				

Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T1	Athabasca River Bridge Willow Creek Rd.	53° 25.589' 117° 33.571'	Athabasca River	Draft <3m
T2	Maskuta Creek 1060 West River Rd.	53° 22.749' 117° 39.085'	Maskuta Creek	Draft 3-6m
T3	Hinton Golf Course 760 Keil Dr.	53° 22.945' 117° 36.892'	Improved Pond 2 Dry Hydrants	Draft <3m
T4	Hardisty Creek 1 2940 Bradwell St.	53° 24.192' 117° 33.071'	Hardisty Creek	Portable Pump
T5	Hardisty Creek 2 (Kinsmen Park) 250 Hardisty Ave.	53° 25.109' 117° 33.099'	Hardisty Creek	Portable Pump
T6	Hinton Pulp Millsite 760 Switzer Dr.	53° 24.890' 117° 33.970'	Pressurized Hi-Vol Hydrants	Positive Pressure 11,000 Lpm 700-1000 kPa
T7	Eaton 225 Eaton Rd.	53° 23.764' 117° 34.484'	Upright Tank 79,000 L (500bbl)	Draft <3m
T8	West River Rd. 550 Kelley Rd.	53° 24.048' 117° 36.027'	Upright Tank 79,000 L (500bbl)	Draft <3m
T9	Kelley Rd. 550 Kelley Rd.	53° 24.360' 117° 34.780'	Overhead Fill Stn.	Positive Pressure
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237' 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations (Refer to Zone Plans for tactical details)							
Values at Risk			Structure Protection Operations			Comments	
Zone Name	Number of Structures		Strategic Action(s)	Water Source			
	Total	Roof Type					
	Fire Resistant	Combustible					
West Riverside	105	103	2	Prep & Go Prep & Defend	Maskuta Cr. (T2) & Upright tank (T8)	West River Rd. is dead-end road through coniferous fuels – ENSURE ADEQUATE TIME FOR RETREAT PRIOR TO IMPINGEMENT.	
Terrace Heights	146	142	4	Prep & Defend	Hydrants & Dry-Hydrant (T3)		
Miette	2	2	0	No Action	None	Infrastructure: AltaLink Cold Creek-602S substation	
Hillcrest	760	742	18	Prep & Defend	Hydrants, Upright tank (T7), & Maxwell Lk (T10)	Special: St. Gregory School, Gerard Redmond School, Woodlawn Cemetery Infrastructure: Hillcrest Water Reservoir & Pumphouse, Reimer Dr. Lift Station	
Eaton	84	83	1	Prep & Defend	Hydrants, Upright tank (T7), & Thompson Lk.	Infrastructure: Hinton Govt. Centre (Civic Centre/Fire Station/RCMP Detachment), Communication Tower	
Thompson Lake	381	377	4	Prep & Defend – Urban Areas Prep & Go – Rural Areas	Hydrants, Hardisty Cr. 1 (T4), & Thompson Lk.	Infrastructure: Hardisty & Thompson Lake water reservoirs, SuperNet building, 3 – Communication towers Hazardous: 1 – Bulk LPG yard, 1-Bulk fuel yard	
Hardisty	1207	1190	17	Prep & Defend	Hydrants, Hardisty Cr. 2 (T5), & Athabasca Ri. (T1)	Special: Pine Valley Seniors Lodge – EVACUATE EARLY , Harry Collinge High School, Crescent Valley School Infrastructure: East River Rd. lift station, East-River Rd. air-monitoring station, Telus phone exchange bldg., Communication tower Hazardous: Welding products yard, West Fraser chip pile	
Riverside	58	56	2	Prep & Defend	Hydrants, Hinton Pulp Hi-Vol Hydrants (T6), Kelley Rd. Truck-Fill Stn.(T9)	Special: Hinton SPCA Animal Shelter Infrastructure: West Fraser Water Treatment Plant, Switzer Dr. Water Booster Pumphouse Hazardous: 2-Bulk Fuel Stations	
Mountain View	875	865	10	Prep & Defend	Hydrants	Special: Hospital Long-Term Care Centre & Sunset Manor Seniors Apartments – EVACUATE EARLY , Historic GTP Railway House Infrastructure: Hospital, Hinton Training Centre (Reception Centre), 2-Natural Gas Regulating Stns., Telus Communication Tower	

Overview

Town of Hinton



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West Riverside Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly mixedwood (M-1) and coniferous spruce (C-2 & C-1) fuel types. Non-fuels on some light industrial and rural lots. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Rural and light-industrial development throughout – Primarily fire-resistant roofing materials, many with combustible siding and/or decking materials. Some properties with significant debris posing a hazard to responders if ignited.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Dead-end through combustible fuels. WATER SUPPLY – No hydrant-supply – ponds and creeks only.

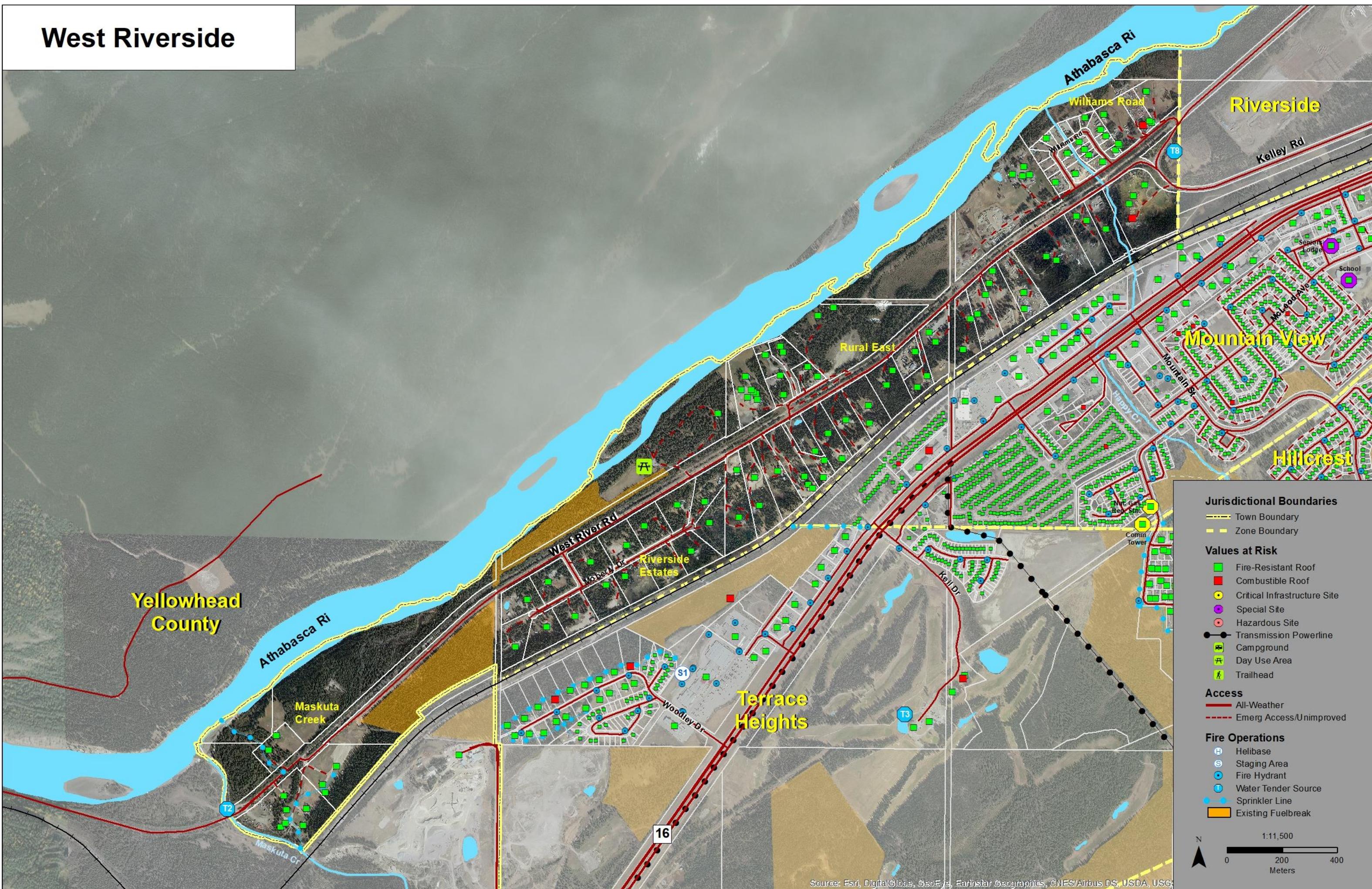
Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

Staging Areas				
Map #	Name/Address	Lat/Long	Description	
S2	Central Staging 837 Switzer Dr.	53° 24.637' -117° 33.933'	Curling Rink parking lot.	
Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T2	Maskuta Creek 1060 West River Rd.	53° 22.749' 117° 39.085'	Maskuta Creek	Draft 3-6m
T8	West River Rd. 550 Kelley Rd.	53° 24.048' 117° 36.027'	Upright Tank 79,000 L (500bbl)	Draft <3m

Values at Risk/Fire Operations								
Values at Risk			Structure Protection Operations				Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics		Water Source		
	Total	Roof Type		Fire-Resistant	Combustible			
Maskuta Creek Riverside Estates Rural East Williams Rd.	11 14 68 12	11 14 65 12	Prep & Go Prep & Go Prep & Go Prep & Defend	0 0 2 0	Prep & Go Prep & Go Prep & Go Prep & Defend	<ul style="list-style-type: none"> Deploy and activate Zone 2-3 perimeter sprinkler line at Maskuta Cr. Sprinkler rural dwellings from relay-tanks and portable pumps. Patrol for ignitions on and around structures. 	Tender Fill Sites - T2 & T8 Athabasca Ri. Maskuta Cr.	West River Rd. is dead-end road through coniferous fuels – ENSURE ADEQUATE TIME FOR RETREAT PRIOR TO IMPINGEMENT.

Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Maskuta Cr. North	Zone 1-2 sprinkler sets on structures (2) and Zone 2-3 perimeter line sprinkler-set from river to West Riverside Rd.	<ul style="list-style-type: none"> Athabasca River and/or Maskuta Creek 		<ul style="list-style-type: none"> 20 – Sprinkler heads (700 Lpm) 360m – Supply hose 2 – Portable pumps (350 Lpm/each)
Maskuta Cr. South	Zone 1-2 sprinkler-sets on structures (9).	<ul style="list-style-type: none"> Maskuta Creek 		<ul style="list-style-type: none"> 20 – Sprinkler heads (700 Lpm) 420m – Supply Hose 2 – Portable pumps (350 Lpm/each)

West Riverside



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Terrace Heights Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly mixedwood (M-1) and coniferous spruce (C-2 & C-1) fuel types to west. Vegetated non-fuels in Hinton Golf Course and urban fuels within development areas. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with scattered combustible roofs - many with combustible siding and decking materials. Wanyandi Dr. and Woodley Dr. structures are at highest threat to wildfire.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Wanyandi Dr. is dead-end road. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas. Dry-hydrant at Golf Course.

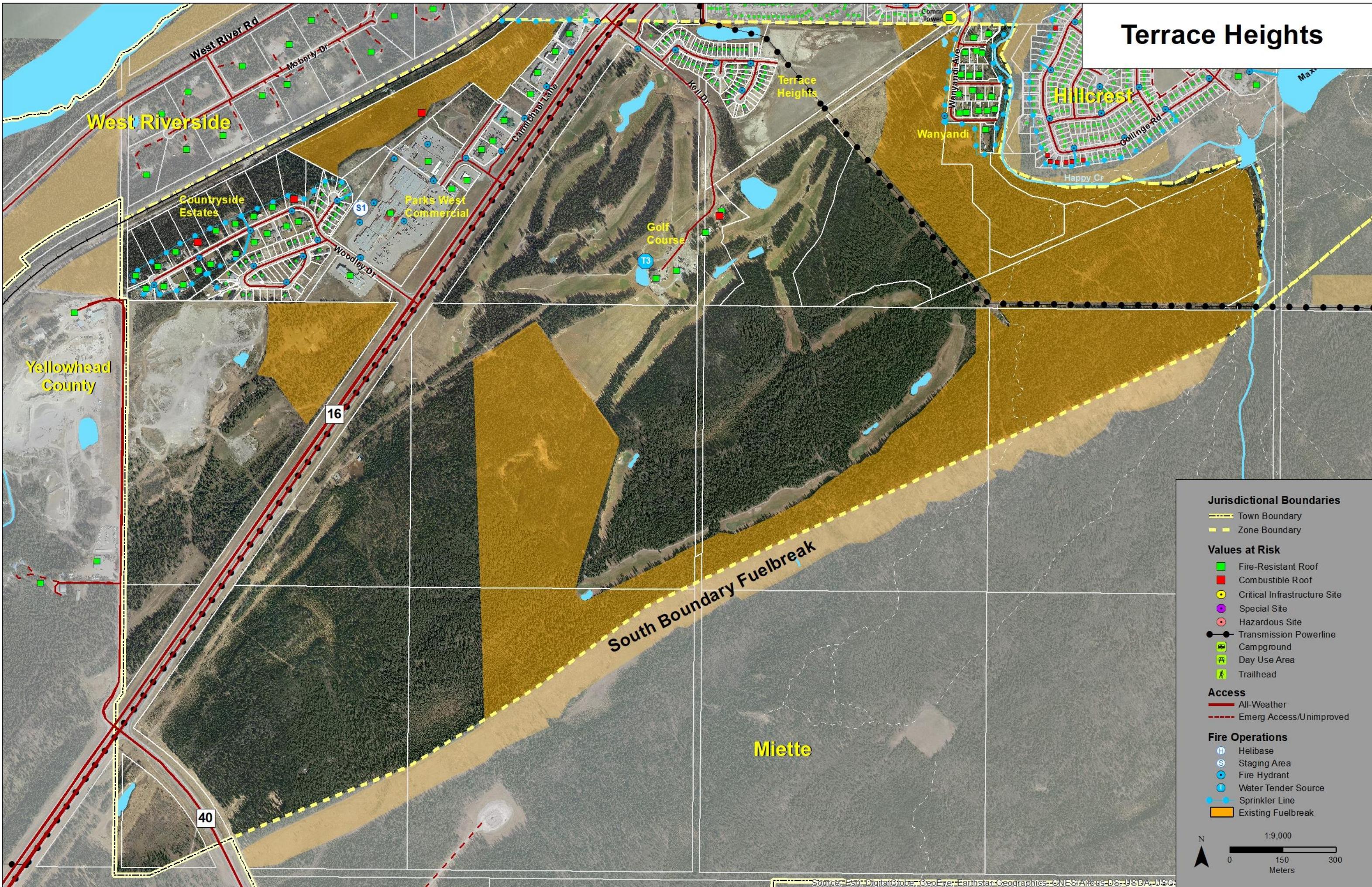
Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

Staging Areas				
Map #	Name/Address	Lat/Long	Description	
S1	West Staging 900 Carmichael Lane	53° 23.003' -117° 37.622'	Parks West Mall parking lot	
Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T3	Hinton Golf Course 760 Keil Dr.	53° 22.945' 117° 36.892'	Improved Pond 2 Dry-Hydrants	Draft <3m
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237' 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations							
Values at Risk			Structure Protection Operations			Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics		Water Source	Comments
	Total	Roof Type		Fire-Resistant	Combustible		
Golf Course	5	4	1	Prep & Defend	<ul style="list-style-type: none"> Reinforce South and/or West Boundary fuelbreaks with heavy equipment. Activate Golf Course irrigation for containment. Zone 1-2 sprinkler perimeter structures in Countryside Estates (22) from hydrants. Zone 2-3 perimeter sprinkler Wanyandi Dr. structures (18) with relay tanks and portable pumps. Bump-and-Run with Engines. Patrol for ignitions on and around structures. 		
Terrace Heights	55	55	0				
Wanyandi	18	18	0				
Countryside Estates	55	53	2				
Parks West Commercial	13	12	1				

Sprinkler Strategies				
Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Countrywide Estates	Zone 1-2 sprinkler-set on perimeter structures (21).	Hydrants	1435m – Supply hose 78 – Sprinkler heads (2750 Lpm)	
Wanyandi	Zone 2-3 perimeter sprinkler-set in fuelbreak surrounding structures (18).	Relay tanks and portable pumps		4 – Upright relay tanks (64,000 L/400 bbl.) 4 – Portable pumps 1125m – Supply hose 72 – Sprinkler heads (2250 Lpm)

Terrace Heights



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Miette Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly mixedwood (M-1CD) with scattered mature spruce (C-2). Non-fuel (NF) and cured-grass (O-1) in Robb Road industrial park. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Minimal structure development – landfill and power substation. All fire-resistant roofing materials. Minimal threat to any of the structures.
Infrastructure	<ul style="list-style-type: none"> ACCESS – adequate. WATER SUPPLY – None.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

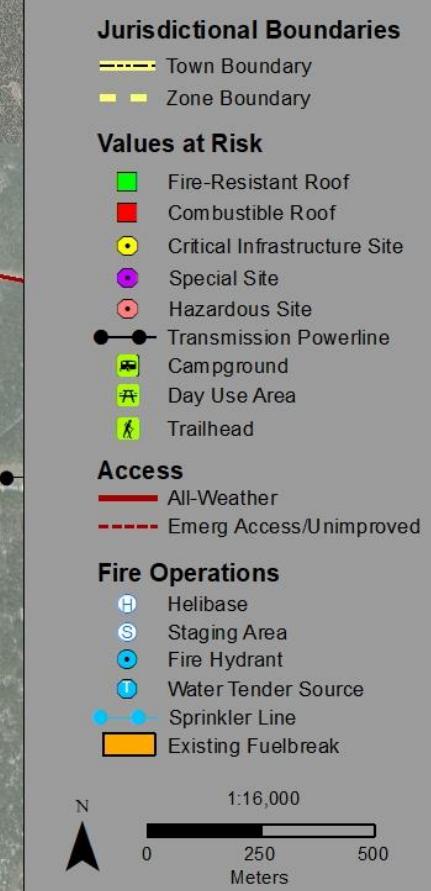
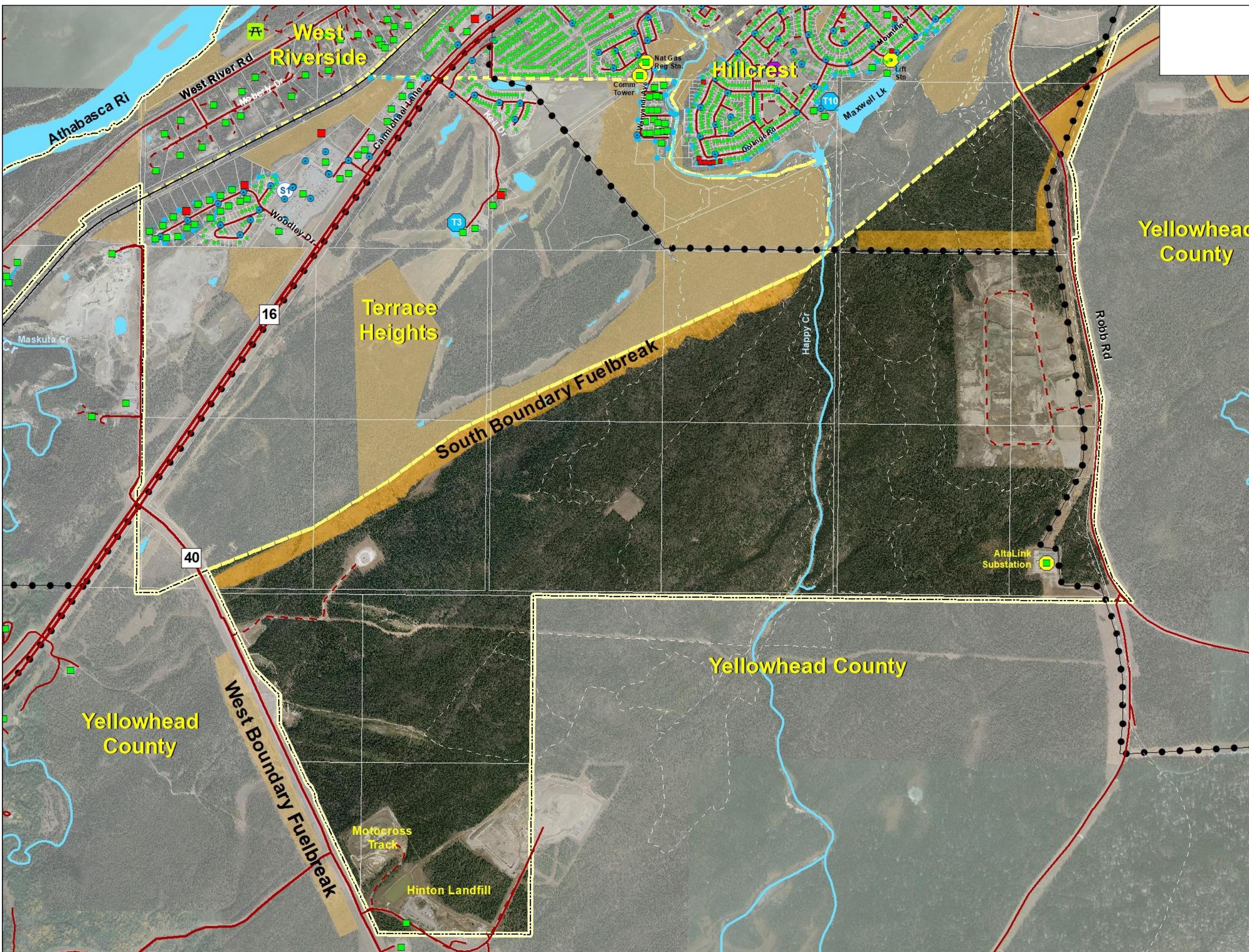
Staging Areas			
Map #	Name/Address	Lat/Long	Description
S1	West Staging 900 Carmichael Lane	53° 23.003', -117° 37.622'	Parks West Mall parking lot
S2	Central Staging 837 Switzer Dr.	53° 24.637', -117° 33.933'	Curling Rink parking lot

Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T3	Hinton Golf Course 760 Keil Dr.	53° 22.945', 117° 36.892'	Improved Pond 2 Dry-Hydrants	Draft <3m
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237', 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations									
Values at Risk		Structure Protection Operations				Comments			
Value Name	Number of Structures		Strategic Action(s)	Tactics		Water Source			
	Total	Roof Type		Tactics					
	Fire-Resistant	Combustible							
Hinton Landfill AltaLink Substation	1 1	1 1	0 0	No Action	<ul style="list-style-type: none"> All metal buildings in large fuel-free clearings. 	None	Infrastructure: AltaLink Cold Creek-602S substation		

Sprinkler Strategies				
Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
None.		▪		

Miette



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Hillcrest Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel within developed areas and fuel-reduced mixedwood (M-1) fuels on perimeter. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with scattered combustible roofs – many structures with combustible siding and decking materials. Highest threat structures on southeast perimeter of Zone along Collinge Rd., Reimer Dr., and Fairfax Dr.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

Staging Areas			
Map #	Name/Address	Lat/Long	Description
S1	West Staging 900 Carmichael Lane	53° 23.003' -117° 37.622'	Parks West Mall parking lot
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Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T7	Eaton 225 Eaton Rd.	53° 23.764' 117° 34.484'	Upright Tank 79,000 L (500 bbl.)	Draft <3m
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237' 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations							
Values at Risk			Structure Protection Operations			Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics			
	Total	Roof Type		Fire-Resistant	Combustible		
Collinge Road North Mountain St. South Mountain St.	322 306 132	315 298 129	7 9 2	Prep & Defend	<ul style="list-style-type: none"> Reinforce South Boundary fuelbreak with heavy equipment. Zone 1-2 sprinkler lays from hydrants on perimeter structures at risk: <ul style="list-style-type: none"> Collinge Rd./Mountain St. (62) Reimer Dr. (15) Fairfax Dr. (23) Bump-and-Run with Engines on perimeter and combustible-roof structures. 	Fire Hydrants Tender Fill Sites - T10 & T7	<p>Special: St. Gregory School Gerard Redmond School Woodlawn Cemetery</p> <p>Infrastructure: Hillcrest Water Reservoir & Pumphouse Reimer Dr. Lift Station</p>

Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Collinge Rd. South	Zone 1-2 sprinkler-set on perimeter structures (23).	▪ Hydrants (2)	510m – Supply hose 28 – Sprinkler heads (1000 Lpm)	
Collinge Rd. West	Zone 1-2 sprinkler-set on perimeter structures (25).	▪ Hydrants (3)	715m – Supply hose 38 – Sprinkler heads (1350 Lpm)	
Collinge/Mountain	Zone 1-2 sprinkler-set on perimeter structures (22).	▪ Hydrants (3) or Pumps (2) from Maxwell Lake	675m – Supply hose 35 – Sprinkler heads (1225 Lpm)	2 – Pumps – 650 Lpm each 720m – Supply hose 35 – Sprinkler heads (1225 Lpm)
Reimer Drive	Zone 1-2 sprinkler-set on perimeter structures (11).	▪ Hydrants (2) or Pump (1) from Maxwell Lake	360m – Supply hose 18 – Sprinkler heads (650 Lpm)	1 – Pump – 650 Lpm 330m – Supply hose 18 – Sprinkler heads (650 Lpm)
Fairfax Drive	Zone 1-2 sprinkler-set on perimeter structures (22).	▪ Hydrants (3)	615m – Supply hose 31 – Sprinkler heads (1100 Lpm)	

Hillcrest



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Eaton Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel within developed areas and fuel-reduced mixedwood (M-1) fuels on perimeter. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with one combustible roof structure – many structures with combustible siding and decking materials. Highest threat structures on north side of Eaton Dr.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

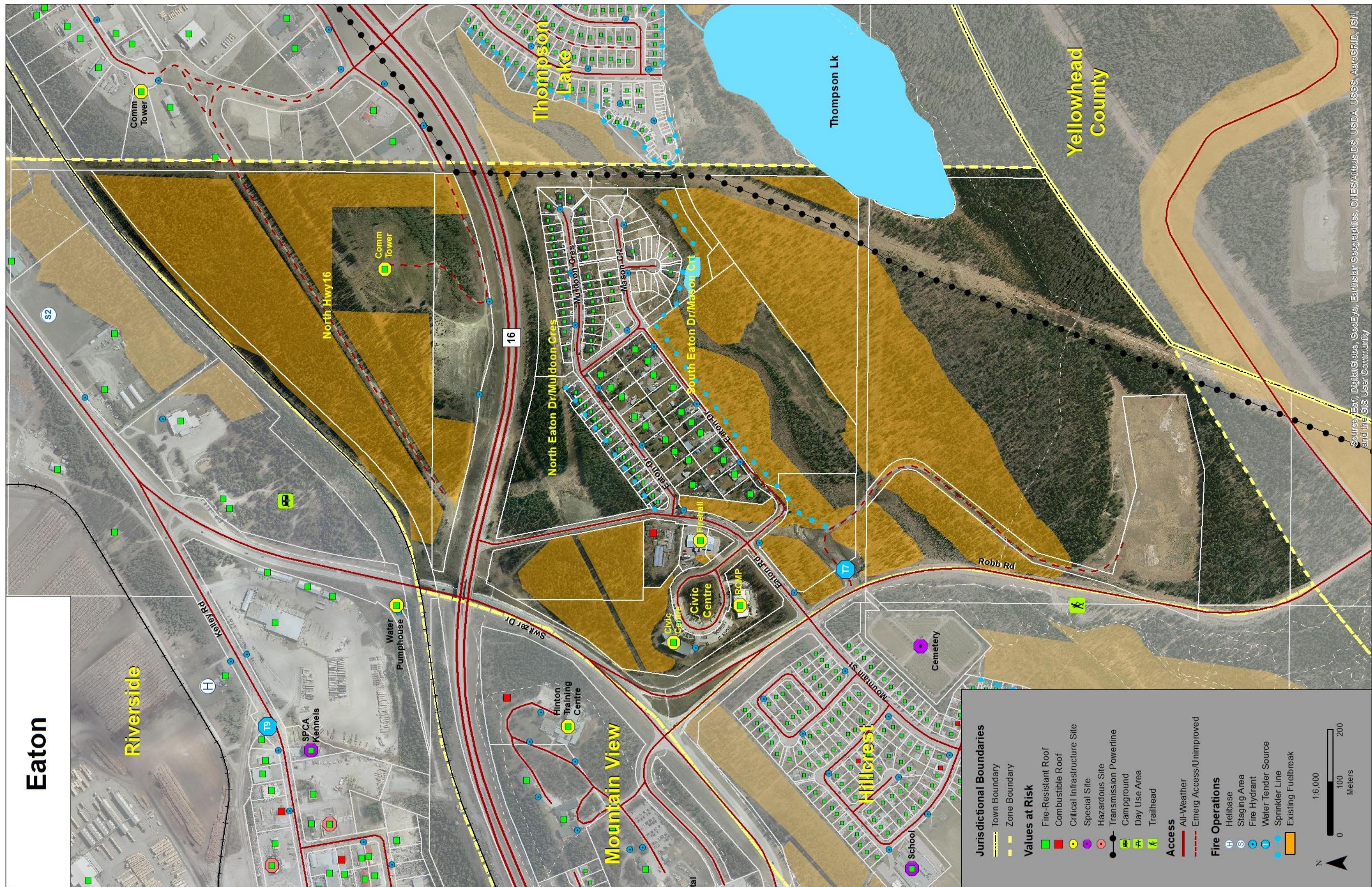
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Command			
Tactical			

Staging Areas				
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Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T6	Hinton Pulp Millsite 760 Switzer Dr.	53° 24.890' 117° 33.970'	Pressurized Hi-Vol Hydrants	Positive Pressure 11,000 Lpm 700-1000 kPa
T7	Eaton 225 Eaton Rd.	53° 23.764' 117° 34.484'	Upright Tank 79,000 L (500 bbl.)	Draft <3m
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Values at Risk/Fire Operations							
Values at Risk			Structure Protection Operations			Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics			
	Total	Roof Type		Fire-Resistant	Combustible		
Civic Centre North Eaton Dr./Muldoon Cres. South Eaton Dr./Mason Crt. North Hwy16	3 60 20 1	3 59 20 1	Prep & Defend	<ul style="list-style-type: none"> Reinforce South Boundary fuelbreak with heavy equipment. Sprinkler perimeter structures at risk from hydrants: <ul style="list-style-type: none"> North Eaton Dr. (17) Berry Place (2) Bump-and-Run on Civic Centre structures at risk and Eaton/Eaton Ridge perimeter and internal structures. 	Fire Hydrants Tender Fill Site - T7 Pond (Berry Pl.)	Infrastructure: Hinton Govt. Centre (Civic Centre/Fire Station/RCMP Detachment) 1-Communication Tower	

Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
North Eaton Drive	Zone 1-2 sprinkler-set on perimeter structures (17).	Hydrants (2)	435m – Supply hose 20 – Sprinkler heads (700 Lpm)	
South Eaton Drive	Zone 2-3 perimeter sprinkler-set in fuel-reduced area.	Eaton Tank (T7) and Pond (Berry Pl)		2 – Pumps – 1000 Lpm each 825m – Supply hose 55 – Sprinkler heads (1925 Lpm)



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Thompson Lake Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel within developed areas and fuel-reduced mixedwood (M-1) or cured-grass (O-1) fuels on perimeter. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with one combustible roof structure – many structures with combustible siding and decking materials. Highest threat structures on north side of Eaton Dr.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

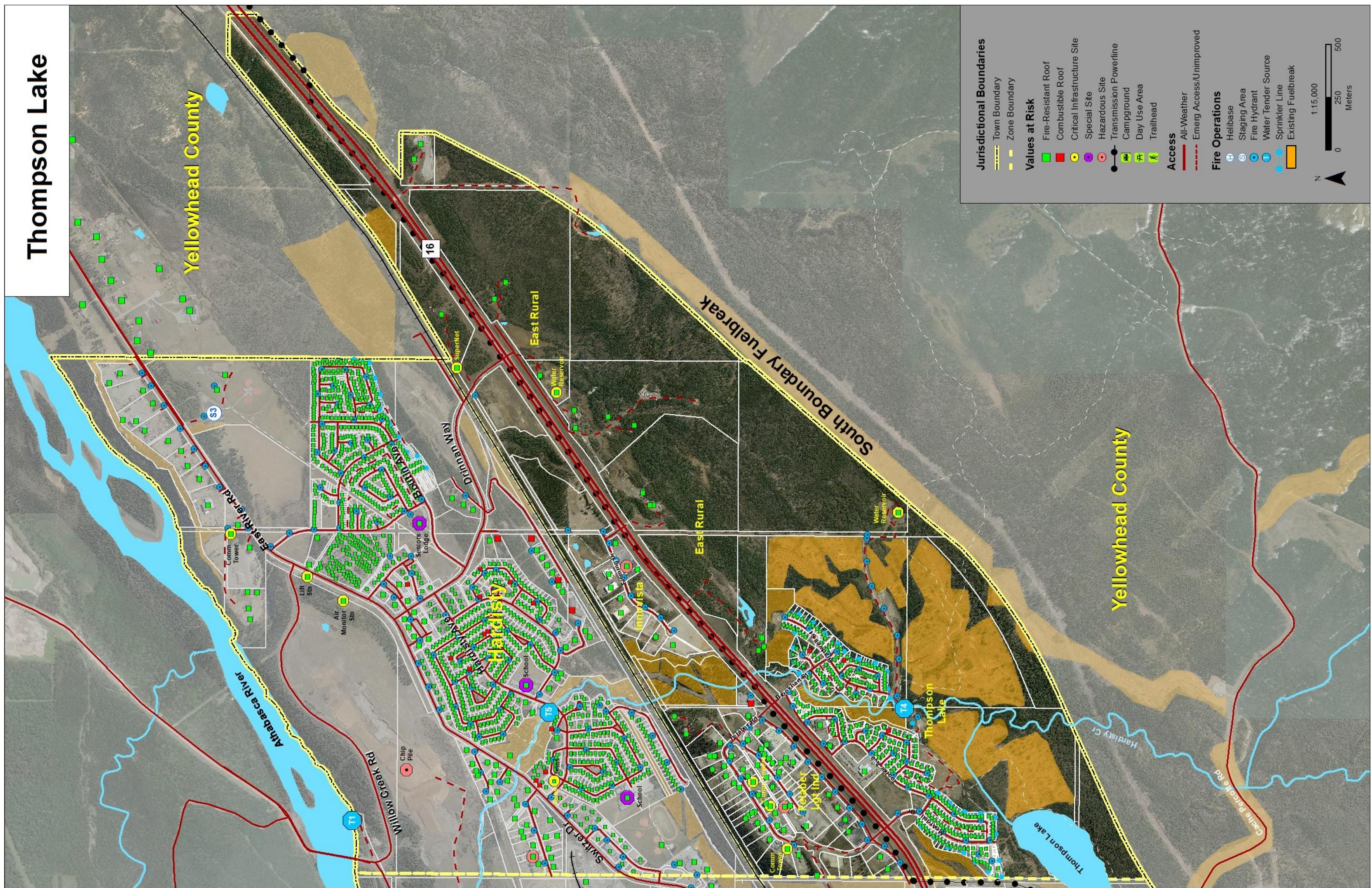
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Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T6	Hinton Pulp Millsite 760 Switzer Dr.	53° 24.890' 117° 33.970'	Pressurized Hi-Vol Hydrants	Positive Pressure 11,000 Lpm 700-1000 kPa
T7	Eaton 225 Eaton Rd.	53° 23.764' 117° 34.484'	Upright Tank 79,000 L (500 bbl.)	Draft <3m
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237' 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations								
Values at Risk			Structure Protection Operations				Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics		Water Source	Comments	
	Total	Roof Type		Fire-Resistant	Combustible			
Thompson Lake Felaber Road Light Industrial Innovista Eco-Industrial Park East Rural	298 55 9 19	293 54 9 19	3	Prep & Defend Prep & Defend Prep & Defend Prep & Go	Prep & Defend Prep & Defend Prep & Defend Prep & Go	<ul style="list-style-type: none"> Reinforce South Boundary fuelbreak with heavy equipment. Mechanical fuel removal south-side of Thompson Lk Reservoir. Sprinkler perimeter structures at risk from hydrants and/or Thompson Lk: <ul style="list-style-type: none"> Bradwell St./Sitar Cres. (33) Bradwell St./Appleyard Cove (17) Tocher Ave. (23) McArdell Dr. (26) Gitzel/Huisman/Marciszin (19) Sprinkler rural dwellings (5) from pumpkins and portable pumps. Bump-and-Run on residential, light industrial, and rural structures. 	Fire Hydrants Thompson Lake	Infrastructure: 2 - Water reservoirs 1 - SuperNet building 3 - Communication towers Hazardous: 1 - Bulk LPG yard 1 - Bulk fuel yard

Sprinkler Strategies				
Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Bradwell/Sitar	Zone 1-2 sprinkler-set on perimeter structures (33) and Zone 2-3 perimeter sprinkler line set across Hardisty Creek reserve.	Hydrants and/or Pumps from Hardisty Creek	1290m – Supply hose 66 – Sprinkler heads (2350 Lpm)	Pump(s) – minimum 625 Lpm 735m – Supply hose 41 – Sprinkler heads (625 Lpm)
Appleyard Cove	Zone 1-2 sprinkler-set on perimeter structures (11).	Hydrants or Pumps from Hardisty Creek	435m – Supply hose 21 – Sprinkler heads (750 Lpm)	Pump(s) – minimum 750 Lpm 315m – Supply hose 21 – Sprinkler heads (750 Lpm)
Tocher Ave.	Zone 1-2 sprinkler-set on perimeter structures (22).	Hydrants or Pumps from Thompson Lake	540m – Supply hose 30 – Sprinkler heads (1050 Lpm)	Pump(s) – minimum 1100 Lpm 765m – Supply hose 30 – Sprinkler heads (1050 Lpm)
McArdell Dr.	Zone 1-2 sprinkler-set on perimeter structures (26).	Hydrants or Pumps from Thompson Lake	750m – Supply hose 40 – Sprinkler heads (1400 Lpm)	Pump(s) – minimum 1400 Lpm 825m – Supply hose 40 – Sprinkler heads (1400 Lpm)

Thompson Lake



2020 Wildfire Preparedness Guide – Town of Hinton

Hardisty Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel within developed areas and fuel-reduced mixedwood (M-1DC) fuels on south perimeter. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with scattered combustible roofs – many structures with combustible siding and decking materials. Highest threat structures on south perimeter of Zone.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

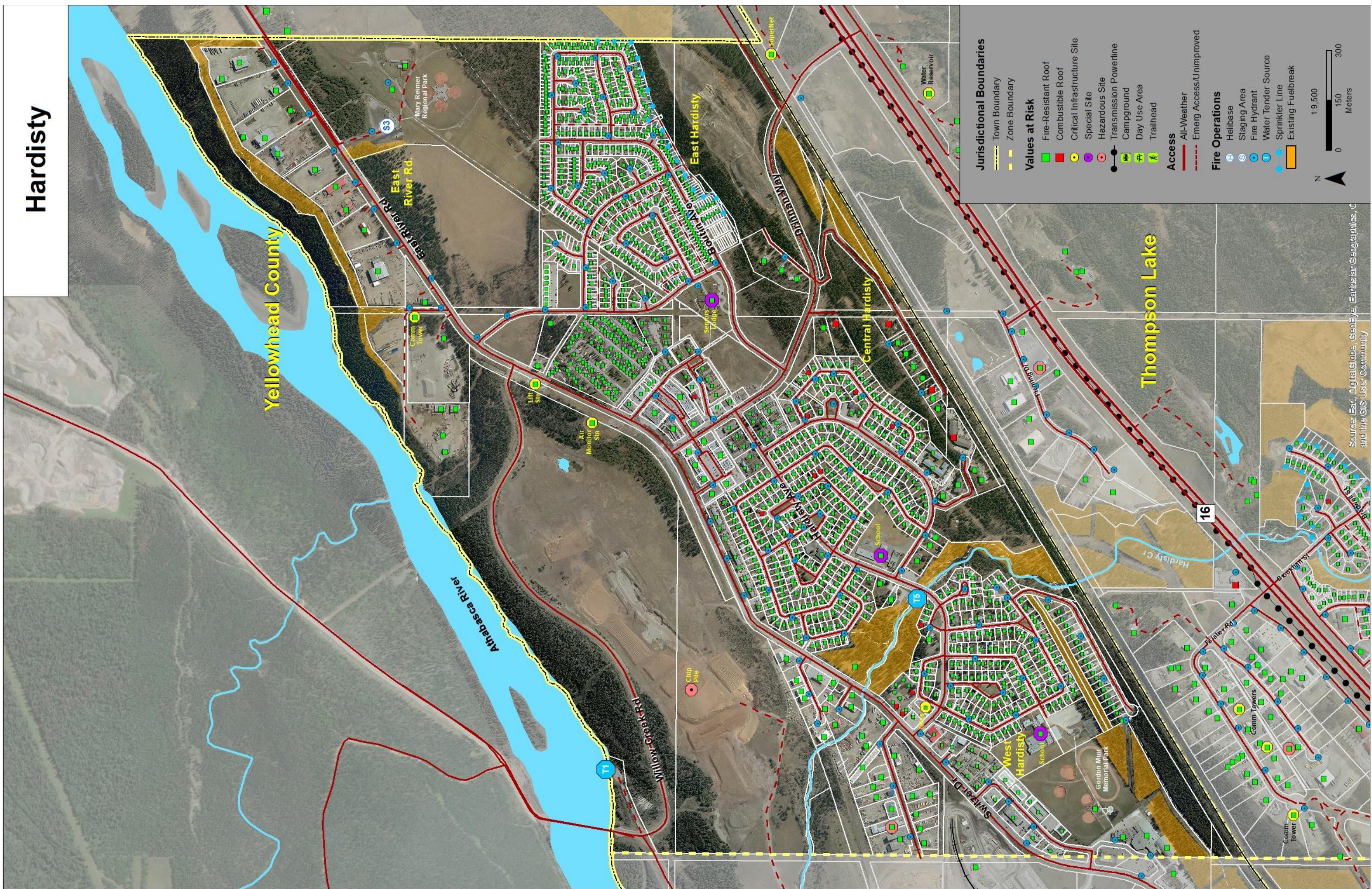
Staging Areas			
Map #	Name/Address	Lat/Long	Description
S2	Central Staging 837 Switzer Dr.	53° 24.637' -117° 33.933'	Curling Rink parking lot
S3	East Staging 399 East River Rd.	53° 25.966' -117° 31.829'	Mary Reimer Park parking lot

Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T1	Athabasca River Bridge Willow Creek Rd.	53° 25.589' 117° 33.571'	Athabasca River	Draft <3m
T5	Hardisty Creek 2 (Kinsmen Park) 250 Hardisty Ave.	53° 25.109' 117° 33.099'	Hardisty Creek	Portable Pump
T6	Hinton Pulp Millsite 760 Switzer Dr.	53° 24.890' 117° 33.970'	Pressurized Hi-Vol Hydrants	Positive Pressure 11,000 Lpm 700-1000 kPa

Values at Risk/Fire Operations											
Values at Risk			Structure Protection Operations			Comments					
Value Name	Number of Structures		Strategic Action(s)	Tactics	Water Source						
	Total										
	Roof Type										
Fire-Resistant		Combustible									
East River Road	21	21	0	Prep & Defend	<ul style="list-style-type: none"> Patrol for ember ignitions in West Fraser chip piles. Sprinkler perimeter structures at risk from hydrants: <ul style="list-style-type: none"> Boutin Ave (31) Hannington Rd (3) Drinnan Rd/Makal Dr (10) Hallam Dr (19) Bump-and-Run with Engines on perimeter structures. 	<p>Special: Pine Valley Seniors Lodge – EVACUATE EARLY Harry Collinge High School Crescent Valley School</p> <p>Infrastructure: East River Rd. lift station East-River Rd. air-monitoring station Telus phone exchange bldg Communication tower</p> <p>Hazardous: Welding products yard West Fraser chip pile</p>					
East Hardisty	549	548	1								
Central Hardisty	398	398	12								
West Hardisty	239	239	4								

Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Skogg Ave.	Zone 1-2 sprinkler-set on perimeter structures (24).	▪ Hydrants (3)	525m – Supply hose 25 – Sprinkler heads (875 Lpm)	
Boutin Ave.	Zone 1-2 sprinkler-set on perimeter structures (20).	▪ Hydrants (3)	585m – Supply hose 27 – Sprinkler heads (950 Lpm)	

Hardisty



2020 Wildfire Preparedness Guide – Town of Hinton

Riverside Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel and non-fuel (NF) within developed areas. Fuel-reduced mixedwood (M-1DC) fuels on south perimeter and mature spruce (C-2) on north perimeter along Athabasca River. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with two combustible roof structures in Kelley Rd light industrial area. Low threat of wildfire to structures.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

Staging Areas				
Map #	Name/Address	Lat/Long	Description	
S2	Central Staging 837 Switzer Dr.	53° 24.637' -117° 33.933'	Curling Rink parking lot	
S3	East Staging 399 East River Rd.	53° 25.966' -117° 31.829'	Mary Reimer Park parking lot	

Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T6	Hinton Pulp Millsite 760 Switzer Dr.	53° 24.890' 117° 33.970'	Pressurized Hi-Vol Hydrants	Positive Pressure 11,000 Lpm 700-1000 kPa
T8	West River Rd. 550 Kelley Rd.	53° 24.048' 117° 36.027'	Upright Tank 79,000 L (500bbl)	Draft <3m
T9	Kelley Rd. 550 Kelley Rd.	53° 24.360' 117° 34.780'	Overhead Fill Stn.	Positive Pressure

Values at Risk/Fire Operations							
Values at Risk			Structure Protection Operations			Comments	
Value Name	Number of Structures		Strategic Action(s)	Tactics	Water Source		
	Total	Roof Type					
	Fire-Resistant	Combustible					
Kelley Road Switzer Drive West Fraser Millyard	37 9 12	35 9 12	2 0 0	Prep & Defend	<ul style="list-style-type: none"> Patrol for ember ignitions in West Fraser log decks, and lumber piles. Bump-and-Run and Anchor and Hold on values at risk. 	<p>Fire Hydrants Tender Fill Sites – T6, T8, & T9</p> <p>Special: Hinton SPCA Animal Shelter</p> <p>Infrastructure: West Fraser Water Treatment Plant Switzer Dr. Water Booster Pumphouse</p> <p>Hazardous: 2 - Bulk Fuel Stations (Kelley Rd)</p>	

Sprinkler Strategies				
Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
None		▪		

Riverside



2020 Wildfire Preparedness Guide – Town of Hinton

Mountain View Zone

Risk Assessment	
Feature	Description
Wildfire Behaviour Potential	<ul style="list-style-type: none"> Predominantly urban non-fuel and fuel-reduced mixedwood (M-1DC) within developed areas. Predominant and strongest winds from Southwest.
Structural	<ul style="list-style-type: none"> Predominantly fire-resistant roofing materials with scattered combustible roof structures. Many structures with combustible siding and decking materials. Low threat of wildfire to structures. Highest threat is to structures in Johnsons trailer court.
Infrastructure	<ul style="list-style-type: none"> ACCESS – Adequate. WATER SUPPLY – Pressurized fire-hydrant supply in developed areas.

Mutual-Aid Communications			
Type	Channel Name	Receive (MHz)	Transmit (MHz)
Command			
Tactical			

Staging Areas				
Map #	Name/Address	Lat/Long	Description	
S1	West Staging 900 Carmichael Lane	53° 23.003', -117° 37.622'	Parks West Mall parking lot	
S2	Central Staging 837 Switzer Dr.	53° 24.637', -117° 33.933'	Curling Rink parking lot	

Water Supply				
Map ID	Name	Lat/Long	Type	Delivery Method
Town Fire Hydrant Connections: 2-65mm AMA/BAT thread and 1-4.85" NH				
T7	Eaton 225 Eaton Rd.	53° 23.764', 117° 34.484'	Upright Tank 79,000 L (500bbl)	Draft <3m
T10	Maxwell Lake 422 Collinge Rd.	53° 23.237', 117° 35.291'	Maxwell Lk.	Draft 3-6m

Values at Risk/Fire Operations									
Values at Risk		Structure Protection Operations				Comments			
Value Name	Number of Structures		Strategic Action(s)	Tactics		Water Source			
	Total	Roof Type							
	Fire-Resistant	Combustible							
Northeast Central Southwest North Hwy16	33 364 390 88	31 360 388 86	2 4 2 2	Prep & Defend	<ul style="list-style-type: none"> Deploy and activate Johnsons Z2-3 perimeter sprinkler line. Patrol combustible roof structures. Bump and Run for ember ignitions on/around structures. 	Fire Hydrants Tender Fill Sites – T7 & T10	<p>Special: Hospital Long-Term Care Centre – EVACUATE EARLY Sunset Manor Seniors Apartments – EVACUATE EARLY Historic GTP Railway House</p> <p>Infrastructure: Hospital Hinton Training Centre (ESS Reception Centre) 2-Natural Gas Regulating Stns. Telus Communication Tower</p>		

Sprinkler Strategies				
Name	Strategy	Water Supply	Minimum Equipment Requirements	
			Hydrant- Lay	Pump-Lay
Johnsons	Zone 2-3 perimeter line sprinkler-set in fuelbreak.	▪ Hydrant	20 – Sprinkler heads (700 Lpm) 300m – Supply hose	

