

ANNEX A. ELECTORAL AREA F EVACUATION ZONES

Overview

The following tear away sheets will provide the following information to support evacuation planning:

- Zone Map;
- Primary Use;
- Primary and Secondary Arterial Roads;
- Muster Points, Infrastructure, and Reception Centers;
- Estimated Evacuation Zone Details; and
- Planning Notes.

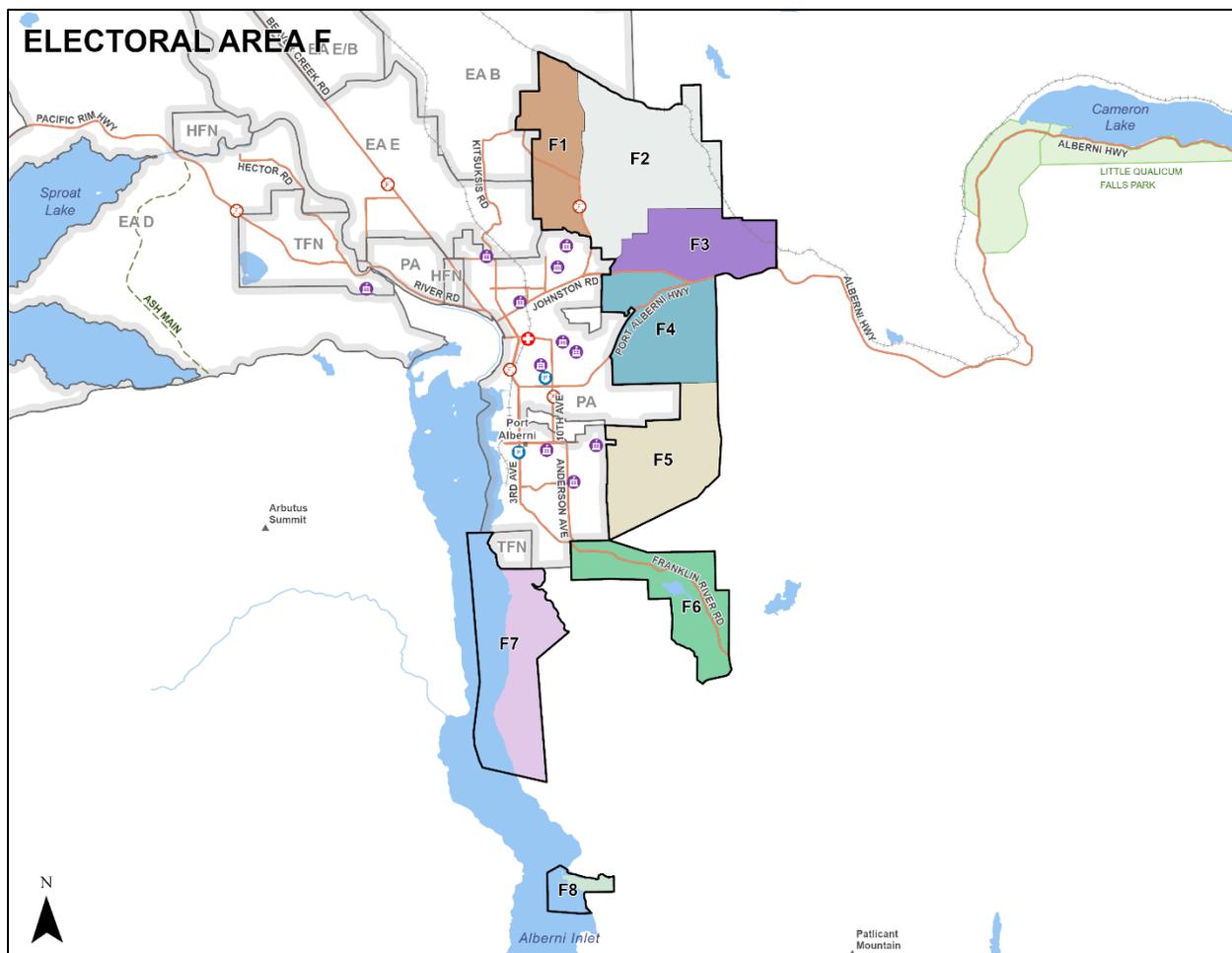


Figure 1: Electoral Area F Evacuation Zones Overview

The following notes apply to all the evacuation zones. This is important to interpret the data provided in the tear-away sheets correctly.

Estimated Single Vehicle Travel Time Through Zone

The travel time through the zone is calculated based on a reduced speed of 30km/hour.

Estimated Zone Evacuation Time

The zone evacuation time calculates how long it will take to evacuate the zone based on estimated population, average vehicle capacity, longest expected drive through the zone, road density (average vehicle length plus average vehicle gap), and the time it will take for that road density to pass through the zone at the expected speed of 30 km/hr.

Destinations / Reception Centres

The evacuation plan is focused on evacuations within the Alberni Valley. Potential evacuation destinations and reception centres may be identified for awareness of each evacuation zone. However, these need to be verified and determined on a case-by-case basis based on the type of emergency and emergency social service needs.

Muster Points

Limited or no muster points were identified for the evacuation zones. These should be identified based on the type of emergency, the direction of evacuations, and available staffing and resources in the area to implement as required.

A.1 ZONE #F1

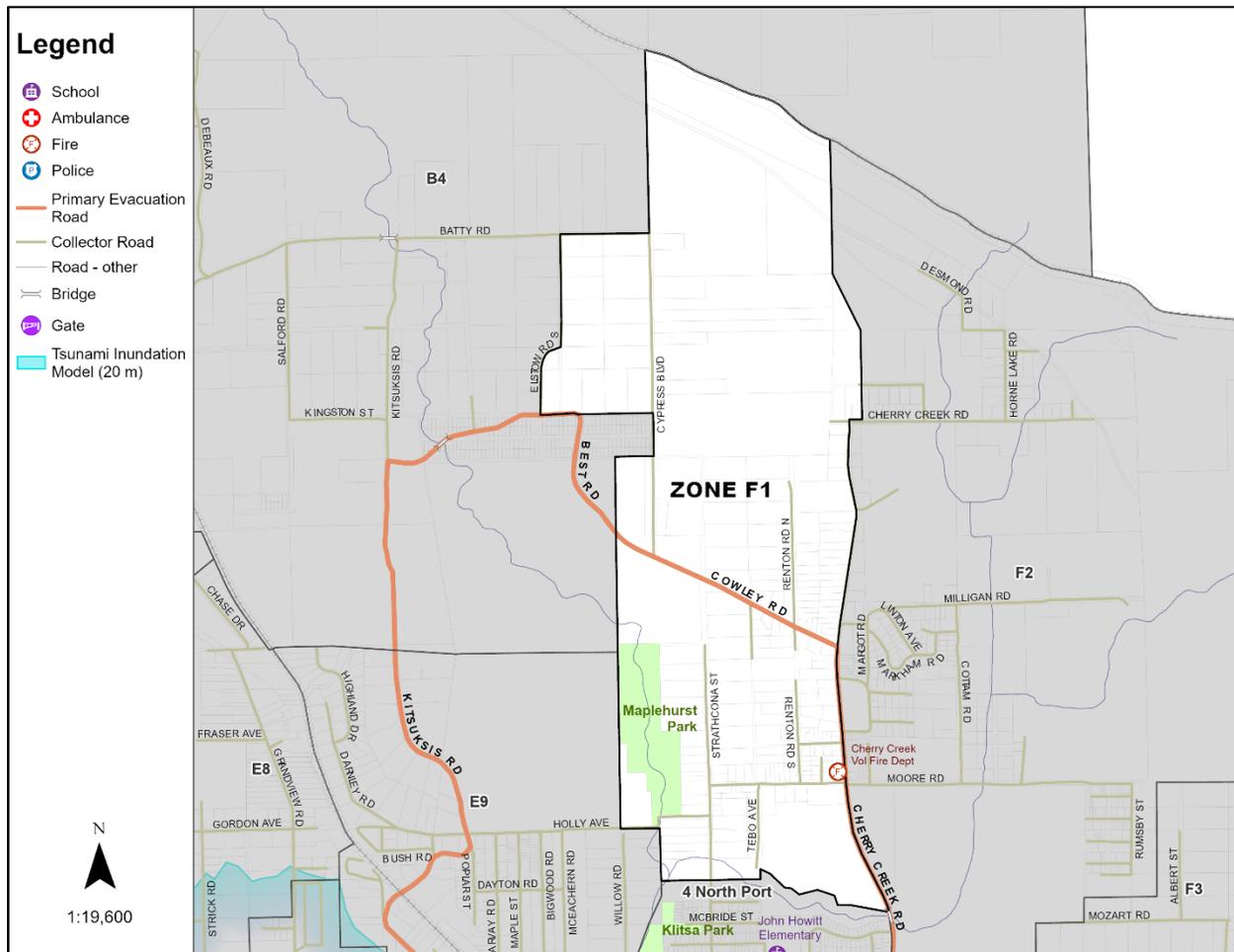


Figure 2: Zone #F1 Map

PRIMARY USE

The zone is a mix of residential areas and forest land. The zone is home to Cherry Creek Volunteer Fire Department.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Cherry Creek Rd and Cowley Rd

Secondary Roads:

- Strathcona St
- Tebo Ave
- Moore Rd
- Renton Rd S
- Becker Pl
- Bexley Rd
- Renton Rd N
- Tebo Ave N
- Cypress Blvd
- Batty Rd
- Elstow Rd

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Cherry Creek Rd Cowley Rd Cherry Creek Volunteer Fire Department
Evacuation Direction	<ul style="list-style-type: none"> South: Residents can evacuate south via Cherry Creek Rd into Port Alberni to connect to Highway 4. Once on Highway 4, evacuees can head east or west along the valley, depending on their final destination. Residents can also follow Strathcona St south into Port Alberni. West: Residents can evacuate west by heading north on Cherry Creek Rd and west on Cowley Rd. This route will take them into Electoral Area B. East: Residents can evacuate east along any connecting road heading east from Cherry Creek Rd Northeast: Evacuees could head northeast towards Horne Lake Caves Provincial Park and Highway 19 through Mosaic Forest Management Roads. Coordination with Mosaic is required prior to evacuating using Mosaic roads. The EOC should assume all Mosaic roads may be gated at any time.
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sprout Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	493
Estimated Single Vehicle Travel Time Through Zone	5 min
Estimated Zone Evacuation Time	25 min

All times are approximate and for planning purposes only. They do not include the advance time required to develop and distribute information to the public. Evacuations are dynamic, and times are influenced by factors that may not be apparent during planning activities. The EOC should rely on the subject matter experts available during an evacuation for guidance.

KEY CONSIDERATIONS

Cherry Creek Rd: The road is the main evacuation route for Electoral Area F into Port Alberni. If multiple zones require evacuation, impacts on the Cherry Creek Rd can be mitigated through phasing. Coordination between local authorities should be initiated to reduce impacts on the population.

Mosaic Forest Management: The zone could evacuate northwest through Mosaic roads. There are a variety of gates on these roads and coordination is required to ensure gates are open and safe passage is attainable. The EOC is required to coordinate with Mosaic prior to initiating an evacuation through Mosaic roads.



Log Train Trail: This trail is a popular hiking and walking trail. The EOC should anticipate recreational users on this trail.



A.2 ZONE #F2

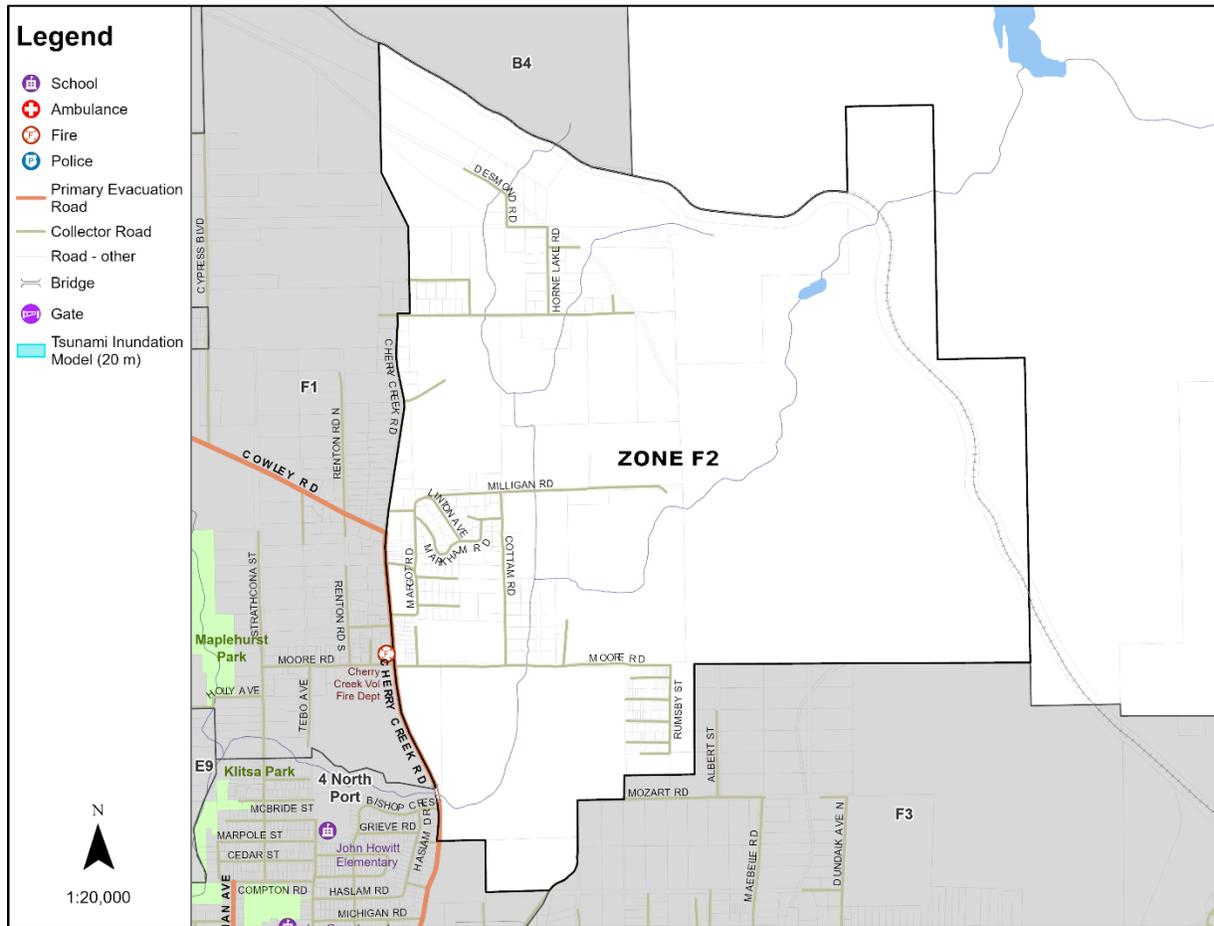


Figure 3: Zone #F2 Map

PRIMARY USE

The zone is a mix of residential, farmland, and forest cover areas. These residential areas are primarily concentrated on the west side of the zone.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Cherry Creek Rd

Secondary Roads:

- Moore Rd
- Rumsby St
- Harrison St
- Stocton St
- Nixon St
- Haggard Rd
- Cherryvale Lane
- Margot Rd
- Veldham Rd
- Walmer Rd
- Fletcher Rd
- Cottam Rd
- Linton Ave
- Milligan Rd
- Etone Rd
- Rosewood Rd
- Horne Lake Rd
- Clayton Rd
- Desmond Rd
- Trevor Ave

- Durham St
- Owen Rd
- Markham Rd

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> • N/A
Critical Infrastructure	<ul style="list-style-type: none"> • Cherry Creek Rd
Evacuation Direction	<ul style="list-style-type: none"> • South: Residents can evacuate south via Cherry Creek Rd into Port Alberni to connect to Highway 4. Once on Highway 4, evacuees can head east or west along the valley, depending on their final destination. • West: Residents can evacuate west by heading north or south on Cherry Creek Rd to Cowley Rd and heading west. This route can take them into Electoral Area B. • Northeast: Evacuees could head northeast towards Horn Lake Caves Provincial Park and Highway 19 through Mosaic Forest Management Roads. Coordination with Mosaic would be required. The EOC should assume these roads may be gated.
Potential Reception Centre	<ul style="list-style-type: none"> • Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	645
Estimated Single Vehicle Travel Time Through Zone	7 min
Estimated Zone Evacuation Time	30 min

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KEY CONSIDERATIONS

Cherry Creek Rd: The road is the main evacuation route for Electoral Area F into Port Alberni. If multiple zones require evacuation, impacts on the Cherry Creek Rd can be mitigated through phasing. Coordination between local authorities should be initiated to reduce impacts on the population and support an effective evacuation.

Mosaic Forest Management: The zone could evacuate northwest through Mosaic roads. There are a variety of gates on these roads and coordination is required to ensure gates are open and safe passage is attainable. The EOC is required to coordinate with Mosaic prior to initiating an evacuation through Mosaic roads.

Log Train Trail: This trail is a popular hiking and walking trail. The EOC should anticipate recreational users on this trail.



A.3 ZONE #F3

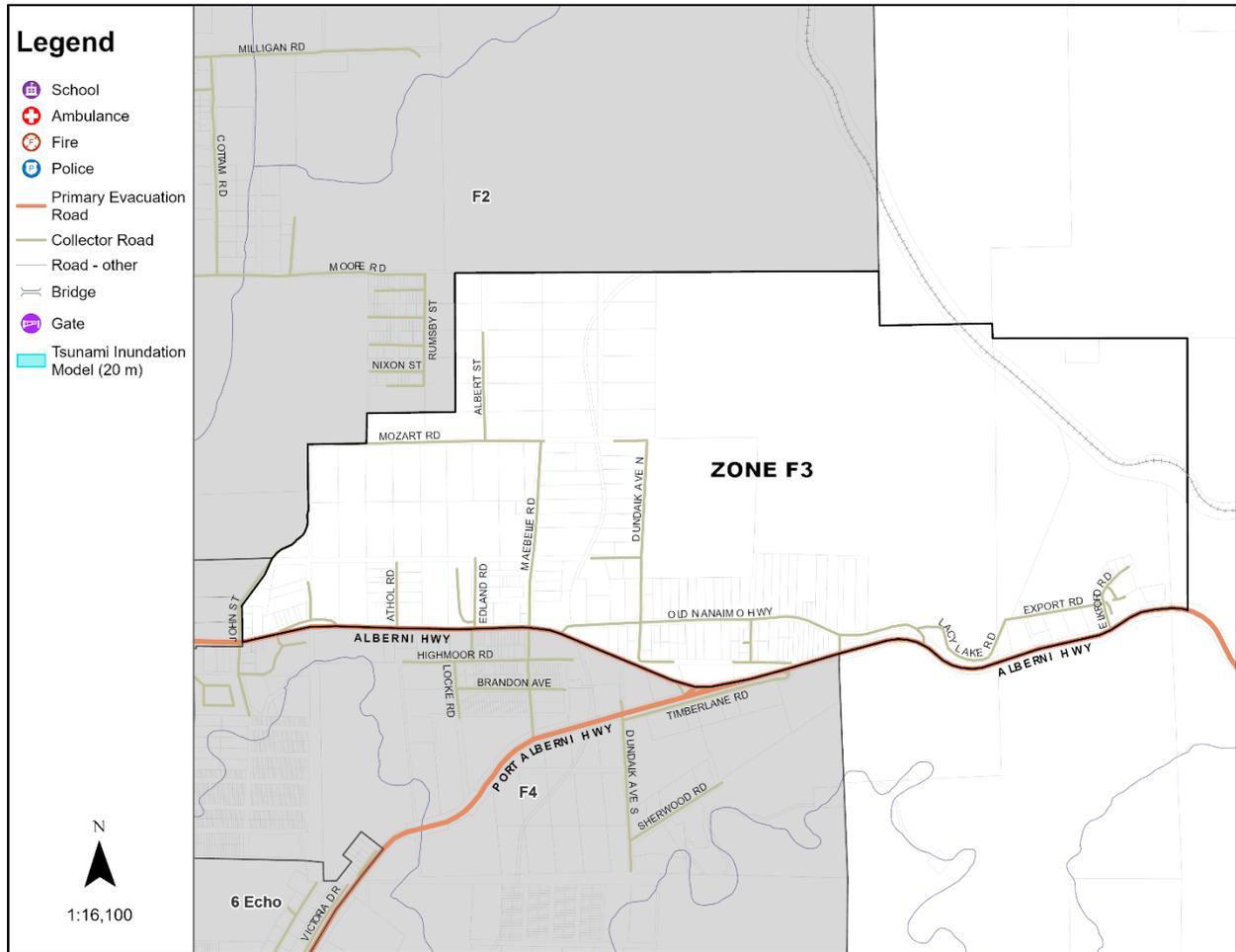


Figure 4: Zone #F3 Map

PRIMARY USE

The zone is a mix of residential, farmland, and forest cover areas. The residential areas are primarily concentrated on the west side of the zone.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Highway 4

Secondary Roads:

- Elkford Rd
- Export Rd
- Maebelle Rd
- Lacy Lake Rd
- Old Nanaimo Highway
- Mann Rd
- Dundalk Ave
- Foulcer Ave
- Mozart Rd
- Edland Rd
- Athol Rd
- Arden Rd



MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Highway 4
Evacuation Direction	<ul style="list-style-type: none"> South: Residents can head south to connect to Highway 4 via Maebelle Rd or any directly connected secondary roads. Once on Highway 4, residents can go in various directions along the valley, depending on their final destination. Residents cannot evacuate north, west, or east unless they connect to Highway 4 or use Mosaic roads. Coordination with Mosaic would be required
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	465
Estimated Single Vehicle Travel Time Through Zone	7 min
Estimated Zone Evacuation Time	30 min

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KEY CONSIDERATIONS

Highway 4: The highway is a primary transportation corridor and evacuation route for the valley. If multiple zones require evacuation, impacts on Highway 4 can be mitigated through phasing. Coordination between local authorities should be initiated to reduce impacts on the population and support an effective evacuation. For large evacuations, traffic control at Highway 4 should be considered.

Commercial/Industrial Zones: The population to evacuate will vary between work hours and overnight due to the industrial and commercial businesses. This needs to be considered during evacuation planning.

Mosaic Forest Management: The zone could evacuate northwest through Mosaic roads. There are a variety of gates on these roads and coordination is required to ensure gates are open and safe passage is attainable. The EOC is required to coordinate with Mosaic prior to initiating an evacuation through Mosaic roads.

Log Train Trail: This trail is a popular hiking and walking trail. This zone includes the trailhead for several hiking/ATV trails that connect to the "Lookout". The EOC should anticipate recreational users on these trails.



A.4 ZONE #F4

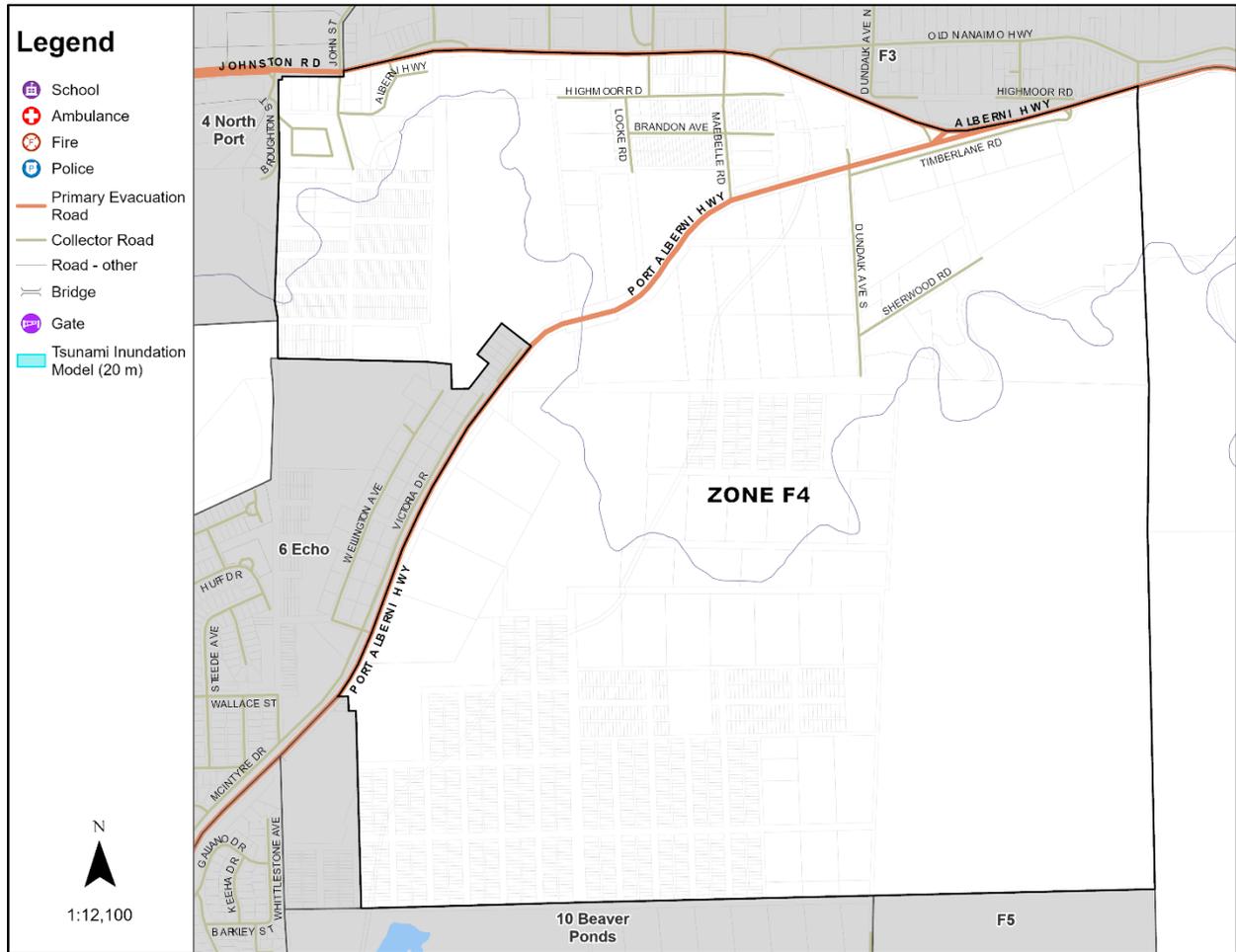


Figure 5: Zone #F4 Map

PRIMARY USE

The zone is primarily forest land with a mix of residential, commercial, and industrial areas residential area along Highway 4.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Highway 4

Secondary Roads:

- Timberland Rd
- Dundalk Ave S
- Sherwood Rd
- Maebelle Rd
- Brandon Ave
- Highmoor Rd
- Locke Rd

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Highway 4
Evacuation Direction	<ul style="list-style-type: none"> West-East: Depending on location, residents can evacuate by heading north or south to connect to Highway 4. Highway 4 splits in this zone, heading west and southwest. Where residents connect is dependent on the evacuee's route to their final destination.
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	297
Estimated Single Vehicle Travel Time Through Zone	4 min
Estimated Zone Evacuation Time	20 min

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KEY CONSIDERATIONS

Highway 4: The highway is a primary transportation corridor and evacuation route for the valley. If multiple zones require evacuation, impacts on Highway 4 can be mitigated through phasing. Coordination between local authorities should be initiated to reduce impacts on the population and support an effective evacuation. For large evacuations, traffic control at Highway 4 should be considered.

Commercial/Industrial Zones: The population to evacuate will vary between work hours and overnight due to the industrial and commercial businesses. This needs to be considered during evacuation planning.

Recreation: This zone includes the trailhead for several hiking trails that connect to the Hole in the Wall and Stokes Falls. The EOC should anticipate recreational users on these trails.



A.5 ZONE #F5

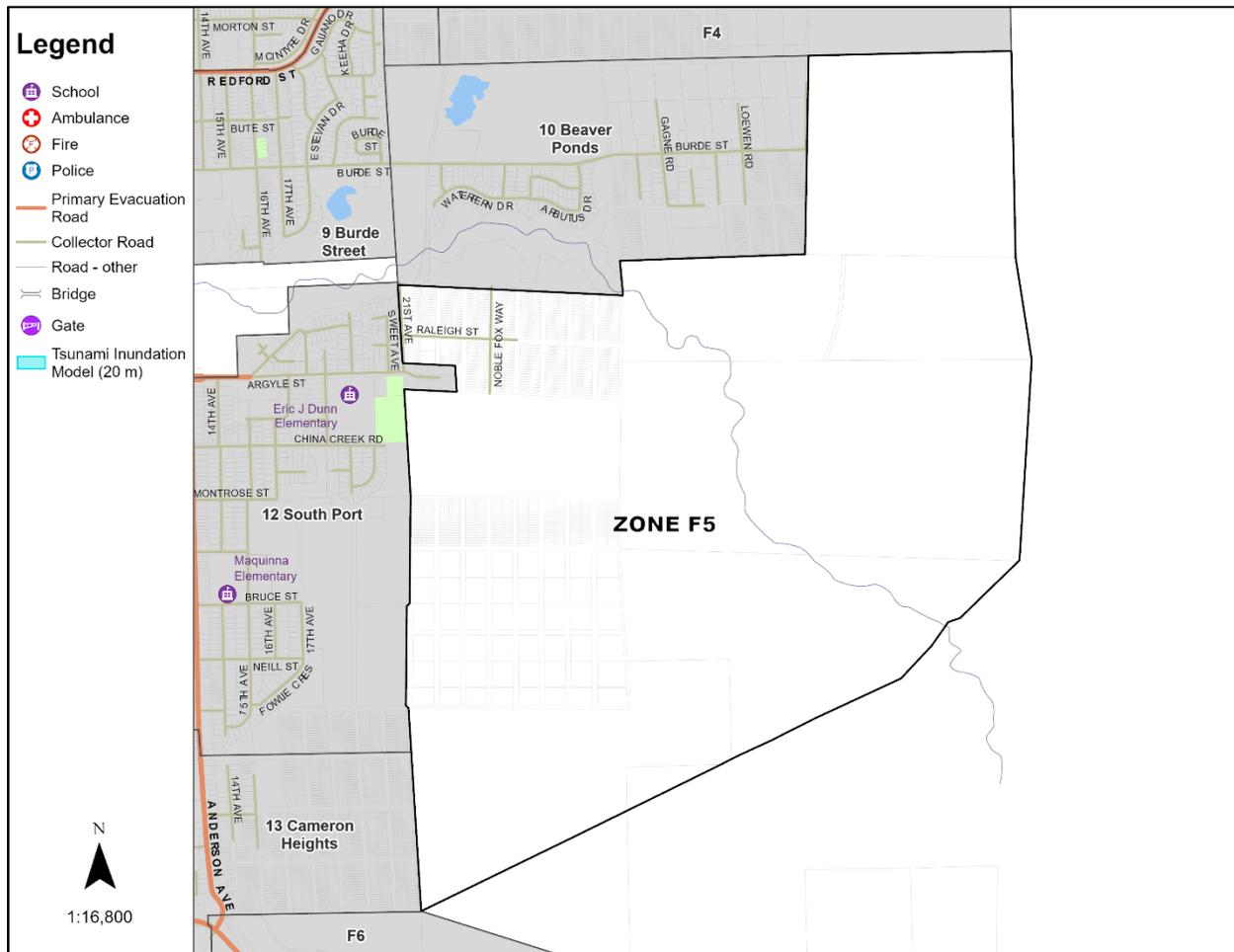


Figure 6: Zone #F5 Map

PRIMARY USE

This zone was developed to account for expected future development from Port Alberni. While the zone is primarily forestland currently, there are 817 parcels, three inhabited residential and 814 vacant with a parcel class of subdivision. This zone analysis should be updated when development in this area starts.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Raleigh St

Secondary Road: 21st Ave

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> N/A
Evacuation Direction	<ul style="list-style-type: none"> West: Residents can travel west out of the zone by heading south on 21st Ave and then west on Argyle St. Residents then can go north or south, depending upon final destination. Residents will travel through Port Alberni Zone 12 and may be impacted by Port Alberni evacuations.
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	Undocumented
Estimated Single Vehicle Travel Time Through Zone	Undocumented
Estimated Zone Evacuation Time	N/A

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KEY CONSIDERATIONS

N/A



A.6 ZONE #F6

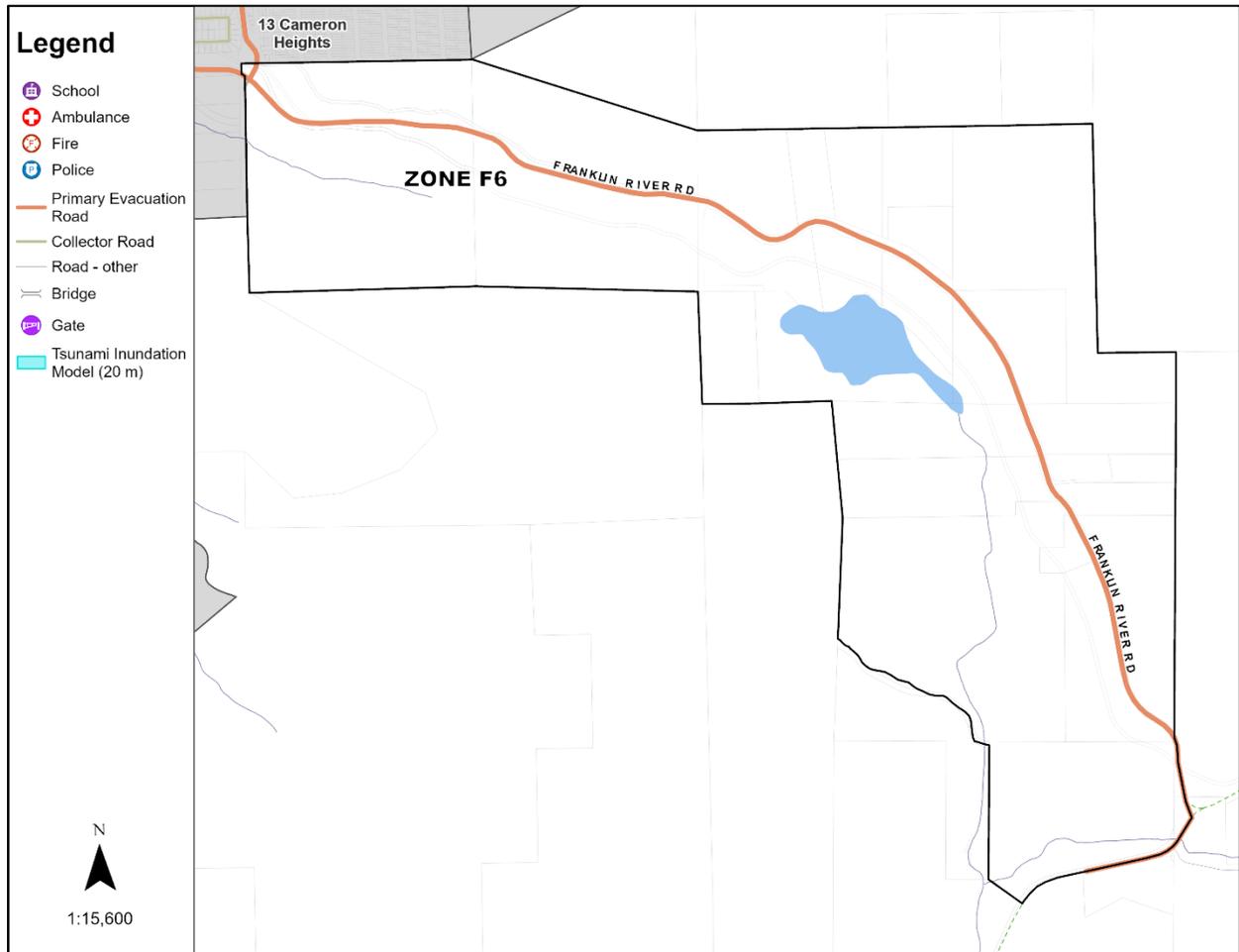


Figure 7: Zone #F6 Map

PRIMARY USE

The zone is a mix of forested land, limited farmland, and rural residential areas.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Franklin River Rd

Secondary Road: Unlabeled

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Franklin River Rd
Evacuation Direction	<ul style="list-style-type: none"> North: Resident and visitors can follow Franklin River Rd north into Port Alberni. Once on Franklin River Rd, they can connect to various roads depending on their final destinations. South: Residents can head south via Franklin River Rd to Bamfield or Lake Cowichan via the Bamfield Main logging road. Residents may be able to access the Mosaic industrial road, Cameron Main from Franklin River Road, which would then access Hwy 4 between Port Alberni and Cameron Lake. The Mosaic road may be gated and the EOC should coordinate with Mosaic prior to initiating evacuations through Mosaic industrial roads.
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	53
Estimated Single Vehicle Travel Time Through Zone	9 min
Estimated Zone Evacuation Time	20 min

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KEY CONSIDERATIONS

Bamfield Road: Although a public road, this is a gravel road which may be challenging to navigate. The EOC should evaluate what traffic management solutions they have such as signage or convoys to support safe evacuations along this route.

Mosaic Forest Management Roads: To evacuate to Lake Cowichan or Hwy 4 via Cameron Main coordination is required with Mosaic Forest Management. This is important to ensure that an appropriate route is selected, any gates are unlocked, and that a subject matter expert on the roads can be acquired to lead an evacuation convoy. Due to the state of the streets and limited signs, evacuees could get lost.



A.7 ZONE #F7

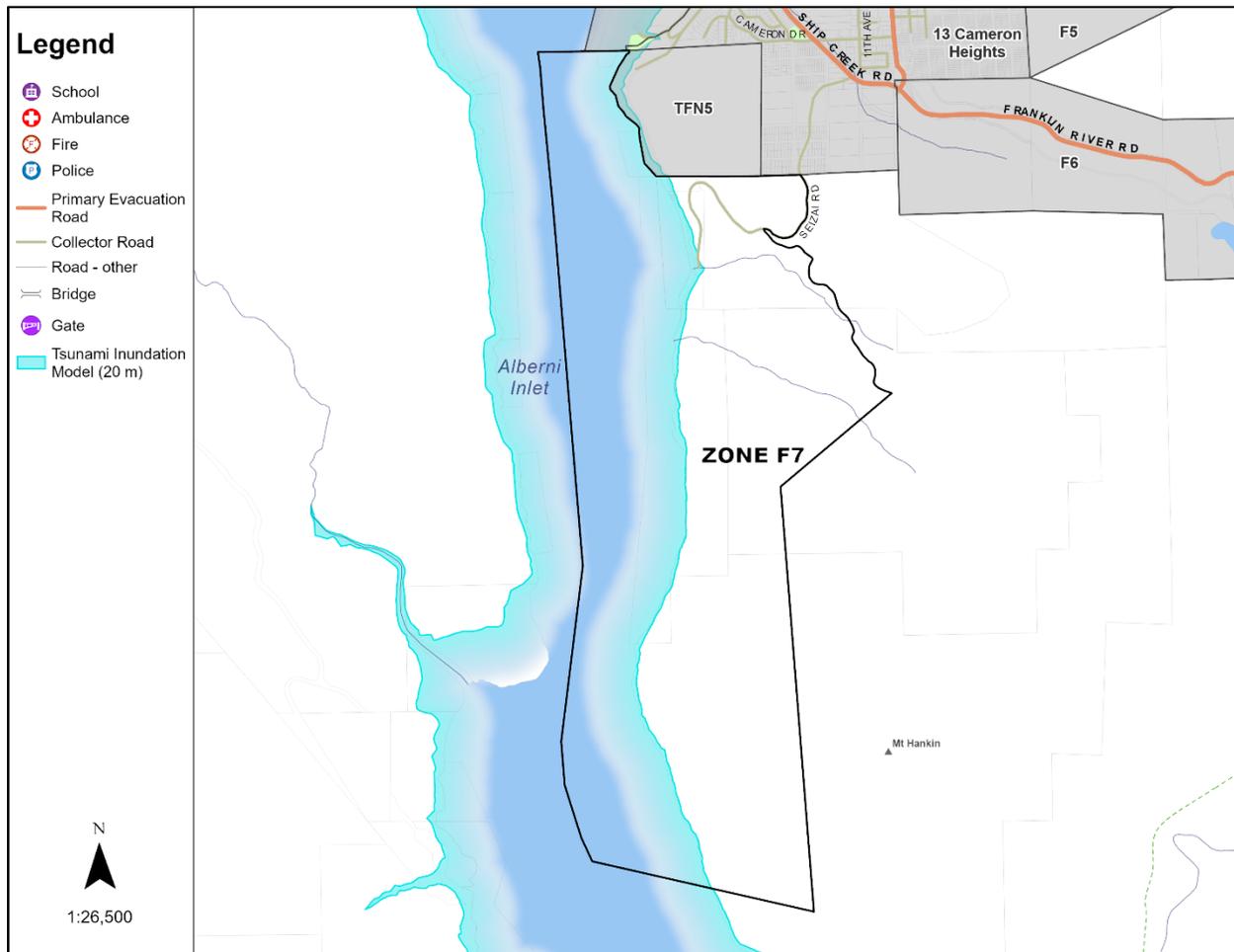


Figure 8: Zone #F7 Map

PRIMARY USE

This zone is primarily forestland with Coulson Manufacturing (San Group) industrial operations along the Alberni Inlet. The China Creek Log Sort is located at the south end of this zone.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Seizai Rd

Secondary Road: Unlabeled

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Seizai Rd
Evacuation Direction	<ul style="list-style-type: none"> Northeast: Workers and visitors can evacuate east by following Seizai Rd to Ship Creek Rd. From there, they can select a variety of roads to head north into Port Alberni or even south to Bamfield/Cowichan Lake (Via the Bamfield Main logging road).
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	0
Estimated Single Vehicle Travel Time Through Zone	2 min
Estimated Zone Evacuation Time	15 min

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KEY CONSIDERATIONS

Tsunami/Somass Watershed: Tsunami and Somass Watershed modelling show the zone is susceptible to impacts from rising water levels. Based on modelling, the zones border along the Alberni Inlet is within the Tsunami Inundation Zone.

Seizai Rd: This is the only egress road for the zone, making it a critical route. Should an emergency threaten the road, early evacuations are crucial.

Industrial Operations: The zone does not have a residential population; however, during work hours, the Coulson Manufacturing staff need to be considered in evacuation planning.

Mosaic Forest Management Roads: To evacuate to Lake Cowichan, coordination is required with Mosaic Forest Management. This is important to ensure that an appropriate route is selected, any gates are unlocked, and that a subject matter expert on the roads can be acquired to lead an evacuation convoy. Due to the state of the roads and limited signs, evacuees could get lost.

Alberni Inlet Trail: This trail is a popular hiking and walking trail that runs along the Alberni Inlet. The EOC should anticipate recreational users on this trail.



A.8 ZONE #F8

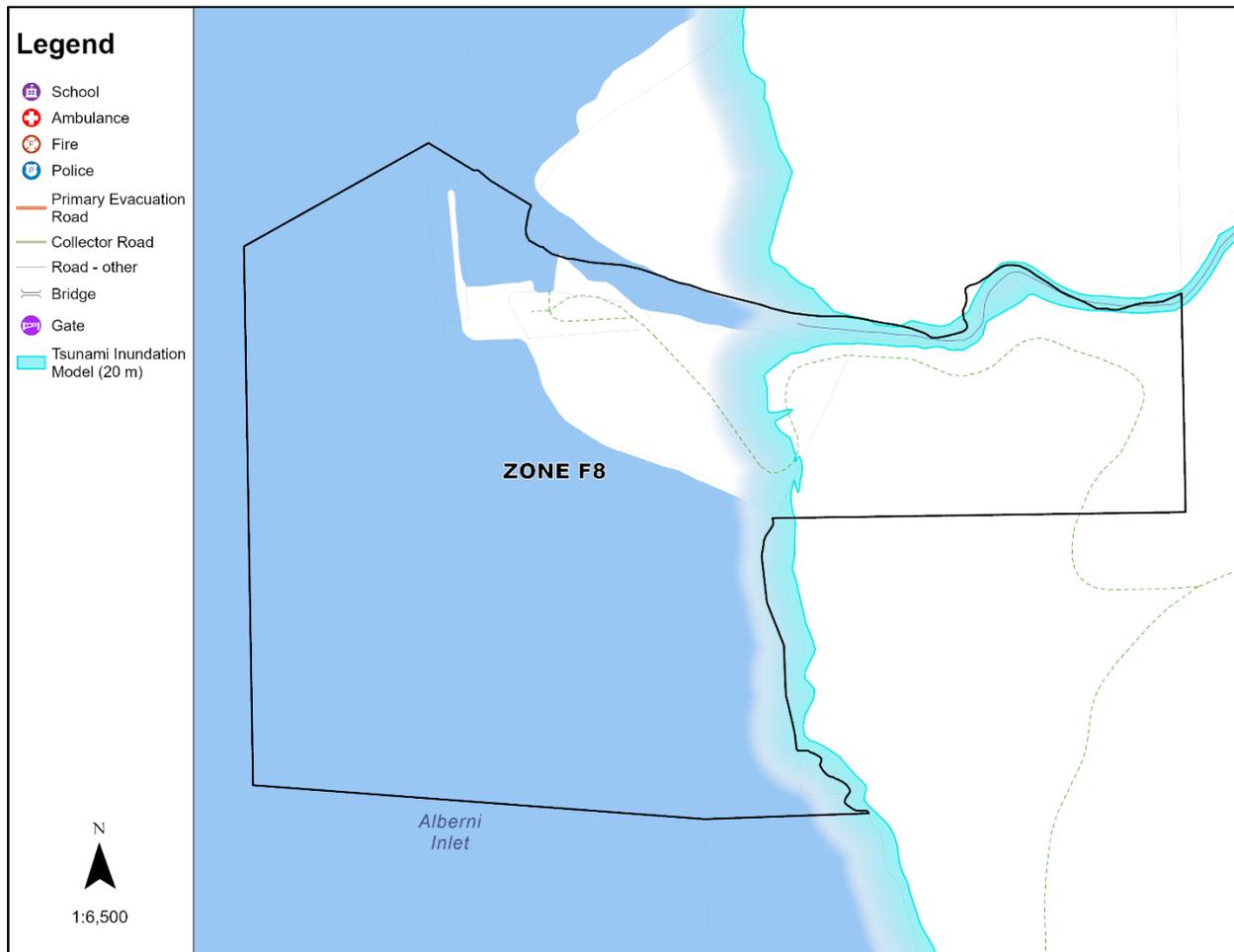


Figure 9: Zone #F8 Map

PRIMARY USE

The zone is primarily forested land and is home to the China Creek Campground and Marina.

PRIMARY & SECONDARY ARTERIAL ROADS

Primary Road: Franklin River Rd

Secondary Road: unlabeled

MUSTER POINTS, INFRASTRUCTURE & EVACUATION DIRECTIONS

Item	Description
Muster Points	<ul style="list-style-type: none"> N/A
Critical Infrastructure	<ul style="list-style-type: none"> Franklin River Rd China Creek Campground and Marina
Evacuation Direction	<ul style="list-style-type: none"> North: Visitors can follow Franklin River Rd north into Port Alberni. From there, they can connect to various roads depending on their final destinations. South: Residents can head south via Franklin River Rd to Lake Cowichan. This would be accomplished through Mosaic Forest Management Roads. Alberni Inlet: Anyone with access to watercraft can evacuate via the Alberni Inlet.
Potential Reception Centre	<ul style="list-style-type: none"> Alberni Valley: Echo 67' Community Centre, Alberni Athletic Hall, Sproat Lake Community Hall, Beaver Creek Community Hall, Cherry Creek Community Hall, Trinity Church.

ESTIMATED TIME TO EVACUATE THIS ZONE IN HOURS:

Item	Description
Estimated Population	0
Estimated Single Vehicle Travel Time Through Zone	3 min
Estimated Zone Evacuation Time	15 min

All times are approximate and for planning purposes only. They do not include the advance time required to develop and distribute information to the public. Evacuations are dynamic, and times are influenced by factors that may not be apparent during planning activities. The EOC should rely on the subject matter experts available during an evacuation for guidance.

KEY CONSIDERATIONS

Tsunami/Somass Watershed: Tsunami and Somass Watershed modelling show the zone is susceptible to impacts from rising water levels. The zones border along the Alberni Inlet is within the Tsunami Inundation Zone based on the modelling.

Mosaic Forest Management Roads: To evacuate to Lake Cowichan, coordination is required with Mosaic Forest Management. This is important to ensure that an appropriate route is selected, any gates are unlocked, and that a subject matter expert on the roads can be acquired to lead an evacuation convoy. Due to the state of the roads and limited signs, evacuees could get lost.

China Creek Campground and Marina: This campground offers 250 RV and tent camping sites from April to September. The Marina, with 88 slips is heavily used in the summer by those fishing in the Alberni Inlet. While this zone does not have a residential population, the visitors staying at the campground need to be considered in evacuation planning and communications.



Alberni Inlet Trail: This trail is a popular hiking and walking trail that runs along the Alberni Inlet. The EOC should anticipate recreational users on this trail.

