

APPENDIX B

Washington State Department of Natural Resources Northwest Region R.A.M.S. Assessment

Skagit County Excerpt Compartments 29653, 29656, and 29658

Prepared With

R.A.M.S. (Risk Assessment and Mitigation Strategies)

Compartment Assessment Ranking Composite Compartment Assessment Rating (Regional Ranking)

Rating	Compartment
High	8: 29656
High	11: 31656
High	6: 28653
Mod	14: 37656
Mod	12: 31658
Mod	9: 29658
Mod	3: 15653
Mod	13: 37653
Mod	7: 29653
Low	15: 37658
Low	4: 17658
Low	10: 31653

Compartment 7: 29653 (Part I)

Compartment 7 contains 274558 acres in Fire Management Zone 29. The Compartment experiences 6.00 fires per year, totaling 2 acres. The characteristics of the compartment indicate that: Catastrophic Fire Likely.

Fuels Hazard characteristics are rated:

- Fuels (flame length produced): 8 + Feet (**High**)
- Crowning Potential: 3 - 5 (**Moderate**)
- Slope Percent: 0 - 20 (**Low**)
- Aspect: North (**Low**)
- Elevation: 0 - 3500 (**High**)

Protection Capability ratings are:

- Initial Attack: 21 - 30 minutes (**Moderate**)
- Suppression Complexity: Complex (**High**)

Ignition Risk factors include:

- Population Density - Wildland Urban Interface
 - 1001+ Dwellings/structures
- Power Lines In Unit
 - Transmission Lines
 - Distribution Lines
 - Sub-station

Industrial Operations

- Active timber sale
- Construction project
- Debris/slash burning
- Mining
- Maintenance/service contracts

Recreation

- Dispersed camping areas, party areas, hunters, water-based, hiking
- Developed camping areas
- Off highway vehicle use

Flammables Present

- Powder magazine
- Gas or oil wells/transmission
- Gas pumps or storage

Other

- Fireworks, children with matches
- Electronic installations
- Woodcutting area, power equipment
- Shooting/target
- Government operations
- Incendiary
- Cultural Activities
- Dump

Railroads

- Railroads are present

Transportation System

- State/Federal highway(s)
- County road(s)
- Public Access Road(s)

Commercial Development

- Schools
- Camps, resorts, stables
- Business, agricultural/ranching

Compartment 7: 29653 (Part II)

Compartment Values are characterized:

Recreation: Developed recreation site within or adjacent to area (**High**)

Administrative: High value or numerous administrative sites (**High**)

Wildlife/Fisheries: Highly significant habitat. (**High**)

Range Use: Range allotment within area, normal/average use (**Moderate**)

Watershed: Stream Class PI, I. Important water use/riparian area. Domestic water use. (**High**)

Forest/Woodland: Standing timber/woodland on 25% or less of area (**Low**)

Plantations: 16 - 30% or less of area in or programmed for plantations (**Moderate**)

Private Property: High loss and threat potential due to numbers and placement (**High**)

Cultural Resources: Archaeological/historical findings of high significance (**High**)

Special Interest Areas: No Special Interest area within or adjacent to the area (**Low**)

Visual Resources: Maximum modification dominates. (**Low**)

T&E Species: Species present. (**High**)

Soils (Erosion): Low significance (EHR < 4). (**Low**)

Airshed: High receptor sensitivity (**High**)

Vegetation: Potential for sensitive plants. (**Moderate**)

Compartment 8: 29656 (Part I)

Compartment 8 contains 199907 acres in Fire Management Zone 29. The Compartment experiences 10.00 fires per year, totaling 135 acres. The characteristics of the compartment indicate that: Catastrophic Fire Likely.

Fuels Hazard characteristics are rated:

Fuels (flame length produced): 8 + Feet (**High**)

Crowning Potential: 6 + (**High**)

Slope Percent: 21 - 35 (**Moderate**)

Aspect: South (**High**)

Elevation: 0 - 3500 (**High**)

Protection Capability ratings are:

Initial Attack: 31+ minutes (**High**)

Suppression Complexity: Complex (**High**)

Ignition Risk factors include:

Population Density - Wildland Urban Interface

1001+ Dwellings/structures

Power Lines In Unit

Sub-station

Distribution Lines

Transmission Lines

Industrial Operations

Maintenance/service contracts

Mining

Debris/slash burning

Construction project

Active timber sale

Recreation

Dispersed camping areas, party areas, hunters, water-based, hiking

Off highway vehicle use

Developed camping areas

Flammables Present

Gas or oil wells/transmission

Powder magazine

Gas pumps or storage

Other

Shooting/target

Dump

Fireworks, children with matches

Woodcutting area, power equipment

Government operations

- Incendiary
- Cultural Activities
- Electronic installations
- Railroads
 - Railroads are present
- Transportation System
 - State/Federal highway(s)
 - Public Access Road(s)
 - County road(s)
- Commercial Development
 - Schools
 - Business, agricultural/ranching
 - Camps, resorts, stables

Compartment 8: 29656 (Part II)

Compartment Values are characterized:

Recreation: Developed recreation site within or adjacent to area **(High)**
Administrative: High value or numerous administrative sites **(High)**
Wildlife/Fisheries: Highly significant habitat. **(High)**
Range Use: Range allotment within area, normal/average use **(Moderate)**
Watershed: Stream Class PI, I. Important water use/riparian area. Domestic water use. **(High)**
Forest/Woodland: Standing timber/woodland on 26 - 50% of area **(Moderate)**
Plantations: 16 - 30% or less of area in or programmed for plantations **(Moderate)**
Private Property: High loss and threat potential due to numbers and placement **(High)**
Cultural Resources: Minimal archaeological/historical findings, potential for Native American use. **(Moderate)**
Special Interest Areas: Area is adjacent to a Special Interest area **(Moderate)**
Visual Resources: Partially retain existing character. **(Moderate)**
T&E Species: Species present. **(High)**
Soils (Erosion): Moderately erodable (EHR 4-12). **(Moderate)**
Airshed: High receptor sensitivity **(High)**
Vegetation: Potential for sensitive plants. **(Moderate)**

Compartment 9: 29658 (Part I)

Compartment 9 contains 753076 acres in Fire Management Zone 29. The Compartment experiences 5.00 fires per year, totaling 78 acres. The characteristics of the compartment indicate that: Catastrophic Fire Possible.

Fuels Hazard characteristics are rated:

- Fuels (flame length produced): 8 + Feet **(High)**
- Crowning Potential: 3 - 5 **(Moderate)**
- Slope Percent: 36 + **(High)**
- Aspect: East, West **(Moderate)**
- Elevation: 3501 - 5000 **(Moderate)**

Protection Capability ratings are:

Initial Attack: 31+ minutes (**High**)

Suppression Complexity: Simple (**Low**)

Ignition Risk factors include:

Population Density - Wildland Urban Interface

501-1000 Dwellings/structures

Power Lines In Unit

Distribution Lines

Sub-station

Transmission Lines

Industrial Operations

Active timber sale

Construction project

Debris/slash burning

Mining

Maintenance/service contracts

Recreation

Dispersed camping areas, party areas, hunters, water-based, hiking

Developed camping areas

Off highway vehicle use

Flammables Present

Powder magazine

Gas or oil wells/transmission

Gas pumps or storage

Other

Fireworks, children with matches

Electronic installations

Woodcutting area, power equipment

Shooting/target

Government operations

Incendiary

Cultural Activities

Dump

Railroads

Railroads are present

Transportation System

State/Federal highway(s)

County road(s)

Public Access Road(s)

Commercial Development

Schools

Camps, resorts, stables

Business, agricultural/ranching

Compartment 9: 29658 (Part II)

Compartment Values are characterized:

Recreation: Undeveloped high recreation use (**Moderate**)

Administrative: Administrative sites are present (**Moderate**)

Wildlife/Fisheries: Highly significant habitat. (**High**)

Range Use: Little or no range use (**Low**)

Watershed: Stream Class PI, I. Important water use/riparian area. Domestic water use. (**High**)

Forest/Woodland: Standing timber/woodland on 51+% of area (**High**)

Plantations: 31+% or less of area in or programmed for plantations (**High**)

Private Property: Threat to structures and property (**Moderate**)

Cultural Resources: Minimal archaeological/historical findings, potential for Native American use. (**Moderate**)

Special Interest Areas: A majority of the area is classified as Special Interest area (**High**)

Visual Resources: Preserve and retain existing character. (**High**)

T&E Species: Species present. (**High**)

Soils (Erosion): Moderately erodable (EHR 4-12). (**Moderate**)

Airshed: Low receptor sensitivity (**Low**)

Vegetation: Plant occurrences of significance (**High**)