

**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**)