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)

<table>
<thead>
<tr>
<th>Rating</th>
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**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
    Debrisslash 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 P1, 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)