**PNW Team 12 Structure Assessments and Protection Plan**

**Cow Canyon Fire WA-SES-000277**

**Intent of this Document**

Task: Record and catalog structure and infrastructure values at risk and/or impacted by the Cow Canyon Fire (WA-SES- 000277) using the NIFC Structure Triage Survey in Survey123. In addition, where possible, resources will identify and define cohesive strategies for mitigating that impact.

Purpose: To categorize the “constructed” values threatened by the Cow Canyon Fire and to be able to communicate where and what those values are with assigned resources and Agency Administrators. Additionally, to identify opportunities where containment lines, contingencies and other operations can be coordinated to maximize efficiency and effectiveness in protecting those values.

End State: This report contains structure assessment information that was gathered for structures and infrastructure threatened or impacted by the Cow Canyon Fire. Structure assessment information was collected between 08/05/2022 and 08/10/2022 by Team 12 members along with structure assessment data that was provided by Kittitas Valley Fire and Rescue. The KVFR data was adapted into the NIFC Structure Triage Survey format for this product and is available for future use. This product is intended to serve as a resource to firefighters engaging in structure protection on this incident as well as use by the local agencies for future incidents or for planning purposes in the area.

**Structure Assessments:**

There were 102 structures/properties assessed for this incident. The breakdown of those structures by Structure Triage Category are as follows:

 \_\_\_\_ 35 Defensible, Prep and Hold

 14 Defensible, Stand Alone

 \_ \_ 22 Non-Defensible, Prep and Leave

 \_\_\_ 22 Non-Defensible, Rescue Drive By

\_\_\_ \_ 9 Unknown

The structure information can be viewed with a NIFC account using the Field Map app. To request a NIFC account click here:

[NIFC Org New Account Request Form (Page 1 of 4) (office.com)](https://forms.office.com/Pages/ResponsePage.aspx?id=4F2CSwVwPUuaFHhBHyhmA14USreJkFhEsrkRJOAmpmtUMlZWMkg4NTMyTzRVRTEwOFlOQjlTMkE5OSQlQCN0PWcu)

To down load the Field Map app, go to App store on your Apple or Android device and download the FieldMap app by ARCGIS.

**Infrastructure Values at Risk:**

During the initial attack period of the fire, two primary structures sustained damage along with numerous outbuildings. There were other primary residents, out-buildings and significant or specific infrastructure values identified that would be categorized as threatened or impacted by the Cow Canyon Fire.

**Management Action Points:**

At the time of this report there were no Management Action Points identified or recommended.

**Evacuation and Closures:**

Washington follows a 3 Level evacuation notification system (1. Be Ready, 2. Be Set, 3. Go Now).

Evacuations in Kittitas and Yakima Counties are determined and implemented by the Counties Emergency Manager with coordination of the Incident Command.

At the time of this report there is an Evacuation Level 1 for the Cow Canyon Fire in Kittitas and Yakima Counties.

**Glossary/Reference:**

**Information for the Glossary/Reference is taken from the Survey123 program, FieldMap program and from the Incident Response Pocket Guide (IRPG)**

**Access (options in Survey123):**

 -T1 engine

 -T3/4 engine

 -T6 engine

 -Handcrew

 -Other

**Defensible Space:** The buffer between a building and wildland fuels that will slow or stop the spread of wildfire and helps protect a structure from catching fire—either from embers, direct flame contact or radiant heat.

**Fuel Type (options in Survey 123):**

-No wildland fuels

-Shrub or timber

-Slash

-Grass/tundra, northern hardwood litter

-Grass and shrub, hardwood litter

**Mitigation time in hours:** Time estimate based on a three-person engine crew with the ability to use a chainsaw if needed.

**Safety Zone:** An area where a firefighter can survive without a fire shelter.

**Structure Triage Classifications (from IRPG pp. 14-15)**

 **Defensible – Prep and Hold**

 \_\_ • Determining Factor: Safety zone present.

• Size up: Structure has some tactical challenges.

• Tactics: Firefighters needed on-site to implement structure protection tactics during fire front contact

**Defensible – Standalone**

 • Determining Factor: Safety zone present.

• Size up: Structure has very few tactical challenges.

• Tactics: Firefighters may not need to be directly assigned to protect structure as it is not likely to ignite during initial fire front contact. However, no structure in the path of a wildfire is completely without need of protection. Patrol following the passage of the fire front will be needed to protect the structure.

**Non-Defensible – Prep and Leave**

\_ • Determining Factor: NO safety zone present.

• Size up: Structure has some tactical challenges.

• Tactics: Firefighters not able to commit to stay and protect structure. If time allows, rapid mitigation measures may be performed. Set trigger point for safe retreat. Remember pre-incident preparation is the responsibility of the homeowner. Patrol following the passage of the fire front will be needed to protect the structure.

 **Non-Defensible – Rescue Drive-By**

 • Determining Factor: NO safety zone present.

• Size up: Structure has significant tactical challenges.

• Tactics: Firefighters not able to commit to stay and protect structure. If time allows, check to ensure that people are not present in the threatened structure (especially children, elderly, and invalid). Set trigger point for safe retreat. Patrol following the passage of the fire front will be needed to protect the structure.

**Unknown**

 • Unknown information

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| **Landowners / Permits**  |  |  |
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**The most immediately threaten structures are contained in the following pages.**