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|  | {Type the fire danger planning area title here} |  |
|  | **Response Plan** |  |
|  | **{Enter the Month / Year here}** |  |

Contents

[I. Introduction 1](#_Toc528750915)

[A. Purpose 1](#_Toc528750916)

[B. Terminology 1](#_Toc528750917)

[1. Response Level 1](#_Toc528750918)

[2. Response Zone 1](#_Toc528750919)

[3. Dispatch Center 1](#_Toc528750920)

[4. Pre-Planned Response Plan 1](#_Toc528750921)

[C. Policy and Guidance 2](#_Toc528750922)

[II. Response Level Matrix – Example 2](#_Toc528750923)

[A. Response Level 2](#_Toc528750924)

[III. Response Plan – Run Card Example 3](#_Toc528750925)

[A. Run Card Overview 3](#_Toc528750926)

[B. Run Card Procedures: 4](#_Toc528750927)

[1. Discretionary Smoke Reports: 4](#_Toc528750928)

[2. Limited Response Plan: 4](#_Toc528750929)

[C. Run Cards 6](#_Toc528750930)

[Appendix A 12](#_Toc528750931)

[NFDRS Analysis Outputs & Decision Point Determinations 12](#_Toc528750932)

[Appendix B 14](#_Toc528750933)

[FireFamilyPlus Decision Points Graphs (e.g. Percentiles, Probabilities, Class Percentages) 14](#_Toc528750934)

[Appendix C 15](#_Toc528750935)

[Response Zones Map 15](#_Toc528750936)

[Appendix D 16](#_Toc528750937)

[Dispatch Locations 16](#_Toc528750938)

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| **Response Plan** | | | |
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| **[Fire Danger Planning Area Title]** | | | |
| **Response Plan** | | | |
| **Prepared By: Fire Danger *Technical Group*** | | | |
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**Response Plan**

# Introduction

## Purpose

Local-level Initial Pre-planned Response Plans, also referred to as “Run Cards”, specify the fire management response (e.g., number and type of suppression assets to dispatch) within a defined geographic area to an unplanned ignition, based on fire weather, fuel conditions, fire management objectives, and resource availability.

## Terminology

1. Response Level

Response levels (e.g. “Low”, “Moderate”, “High”) are established to assist fire managers with decisions regarding the most appropriate response to an initial fire report until a qualified Incident Commander arrives at the incident. FireFamily Plus software is used to establish the Response Level thresholds. A statistical analysis of fire occurrence and historical weather has been completed for each FDRA. The correlation of various combinations of NFDRS outputs with weather records is listed in Appendix A & B. Each agency will utilize the same Response Levels calculated for each FDRA in response to wildland fires in the [*Enter the name of your Dispatch Center*].

1. Response Zone

Response Zones have been identified for the [*enter the name of your dispatch zone*]. Response zones may be based on various criteria such as: common management objectives, land use, fire load, dispatch locations, estimated response times, WUI locations, topographical features, vegetation communities, etc. [**NOTE:** ***It is the responsibility of the dispatch center to identify how response zones are identified. It is important to identify response zones prior to the creation of Fire Danger Rating Areas (FDRAs).***] A response zone map for the [*enter the name of your Dispatch Center*] is displayed in Appendix C. A table showing agency dispatch locations is displayed in Appendix D.

1. Dispatch Center

Each geographic area has established dispatch centers that mobilize and demobilize resources directly with the geographic area coordination center. The dispatch center is the focal point for mobilizing firefighting resources between units within the dispatch area responsibility, coordinating incoming resources into the dispatch area, dispatching resources mobilized out of the dispatch area, and collecting and disseminating fire intelligence information within dispatch area and with the geographic area coordination center.

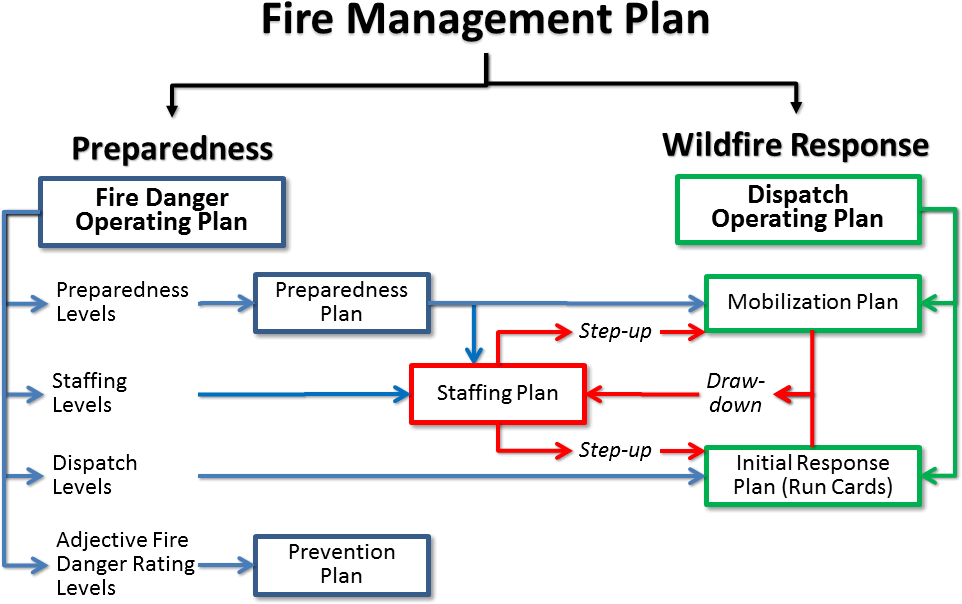
1. Pre-Planned Response Plan

Each dispatch center with the responsibility for initial response to wildland fires shall have a pre-planned response plan that allocates resources to new wildland fires in accordance with fire management direction, initial attack agreements, and established ordering procedures. The pre-planned response plan will be reviewed and updated annually prior to fire season.

## Policy and Guidance

Policy and guidance regarding the development of Pre-Planned Response Plans can be found in chapter 19 of the Interagency Standards for Fire & Aviation Operations (Red Book).

Fire Management Officers will ensure that Pre-planned Response Plans are in place, utilized, and provide for initial response commensurate with guidance provided in the FMP and/or LRMP. Initial Pre-planned Response Plans will reflect agreements and annual operating plans and will be reviewed annually prior to fire season. These plans may be modified as needed during fire season to reflect the availability of national, prepositioned, and/or severity resources. Specific agency directives and interagency guidance requires numerous unit plans and guides to meet fire preparedness and wildfire response objectives. Some of these plans and guides are inter-related; one or more plans/guides provide the basis for other plans/guides. The Response Plan is an operational plan tiered from the Fire Danger Operating Plan as shown below:



# Response Level Matrix – Example

## Response Level

Agency personnel use the response level (dispatch level) to assign an appropriate mix of suppression resources to a reported wildland fire based upon fire danger potential: “Low”, “Moderate”, “High” (Table 1). Response levels are derived from the most appropriate NFDRS index and/or component that have a high level of correlation to historical fire occurrence. [*Enter NFDRS index*] with NFDRS Fuel Model [*XX*] has been determined to be the most appropriate NFDRS index that statistically correlates to the potential for large fires to occur. Due to the ability of [*Enter NFDRS index*] to reflect the most current fire danger potential, and the [*Enter Dispatch Zone*] ability to track agency personnel throughout the course of any given day, [*Enter NFDRS index*] will be computed and implemented for initial attack response levels until a qualified Incident Commander evaluates the need for the dispatched resources.

|  |  |  |  |
| --- | --- | --- | --- |
| **Response Level/Dispatch Level Matrix**  Click here to enter Dispatch Center name. | | | |
| **Fire Danger Rating Area (FDRA)** | **Enter NFDRS Index/Component (Fuel Model)** | | |
| FDRA Name | Enter Decision Point range | Enter Decision Point range | *Enter Decision Point range* |
| **FDRA Name** | *Enter Decision Point range* | *Enter Decision Point range* | *Enter Decision Point range* |
| **FDRA Name** | *Enter Decision Point range* | *Enter Decision Point range* | *Enter Decision Point range* |
| Dispatch Level: | LOW | MODERATE | HIGH |

**Table 1.** Fire Season Dispatch Level Analysis based on the Enter NFDRS Index/Component index.

Response Levels will be established for each day utilizing the Response Level matrix (Table 1). Each FDRA has an assigned Special Interest Group (SIG) for the purposes of calculating the daily response level (see Appendix A for analyses and decision point range determinations).

Duty Officers will retain the discretion to set their unit to a different response level than indicated by the calculated value for any given fire day, or to modify the response level for any given incident.

# Response Plan – Run Card Example

## Run Card Overview

**Effective Dates:** [List identified fire season date range, e.g. June 1 through September 30.]

Beyond these dates, notification of smoke reports will be made directly to the appropriate jurisdictional Duty Officer.

The Interagency Run Cards are developed by a group of interagency representatives to provide guidance to [enter dispatch center name] for initial attack dispatching of wildland fire suppression resources within pre-identified geographic areas (response zones).

The run cards will be used when a wildfire is reported and doesn’t meet the discretionary smoke report criteria listed below.  When an NWCG qualified Incident Commander is on scene of the fire, they may adjust the pre-established initial attack response as identified on the run card by cancelling resources currently en-route (or about to be dispatched) or by ordering additional resources as needed. Until such time as an IC is on scene, the Duty Officer is responsible for the fire response and can modify the run card as necessary.

During periods of large/multiple fire activity, when there are not enough resources to fill the run cards, the Duty Officers from [enter cooperating agencies] will be available to [enter dispatch center name] to determine incident prioritization and response (see limited response plan).

## Run Card Procedures:

* During working hours, [*enter dispatch center name*] will dispatch the closest available resource according to the appropriate Fire Danger Rating Area (FDRA) Dispatch Level.
* After resource duty hours, dispatchers will contact the jurisdictional Duty Officer, who will determine the level of response.
* Volunteer fire departments (or any other resource not dispatched by [*enter dispatch center name*] will not be considered as meeting the run card requirements for numbers of resources during the initial attack dispatch.

1. Discretionary Smoke Reports:

When any of the following smoke reports are received, the run card will not be sent, and the jurisdictional Duty Officer will be contacted to determine the response.

* Federal Aviation Administration (FAA) Report
* Abandoned Campfires, when clearly stated that it is still within the ring
* Incidents that local volunteer fire departments have responded to, or are on scene and are requesting no additional resources

1. Limited Response Plan:

Periodically [*enter dispatch center name*] dispatch zone gets widespread lightning activity resulting in numerous starts, many of these single tree lightning strikes. It is not possible to dispatch the number and type of resources called for in the run card plan to each of these fires. This plan is designed to provide guidance to [*enter dispatch center name*] staff in order to coordinate an initial response under these multiple start conditions (generally considered 3 or more starts).

Under circumstances where multiple starts are likely to occur (i.e. forecasted LAL 6) or are occurring and each FDRA is at a Dispatch Level of Moderate or higher the [*enter dispatch center name*] run card plan may be suspended and guidance provided by area Duty Officers for initial response to new starts. It is desired that the Duty Officer’s meet at [*enter dispatch center name*] to provide coordinated guidance to the floor supervisor whenever possible. A MAC call may be initiated if meeting in person is not possible.

Duty Officers should consider using the following priorities for dispatching resources\*:

1. When there is a direct threat to human life
2. When there is a direct threat to homes or communities
3. When there is a direct threat to other high value infrastructure or improvements
4. When the fire is in an identified sage grouse protection area
5. All others

Until such time as the Duty Officers are able to provide coordinated direction to [*enter dispatch center name*], the floor supervisor is authorized to determine the fire priorities based on given direction and make modifications to the established run card response during multiple start events.

During circumstances where there are no longer resources available to be dispatched to a new smoke report, [*enter dispatch center name*] staff will notify the Duty Officers of each new report and they will, considering the priorities mentioned above, make a determination of needed staffing adjustments and provide guidance to [*enter dispatch center name*] staff as to what resources to dispatch to each new smoke report.

\*Additionally, if on any given day when all FDRAs are at a Dispatch Level of Moderate or higher and [*enter dispatch center name*] recognizes the inability of daily staffed resources to fulfill a dispatch of any run card then the [*enter dispatch center name*] Response Plan/run cards may be suspended, and any start would use the prioritization process as identified above.

## Run Cards

**Zone (*Enter Response Zone Identifier [e.g. Number*])**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [*Enter name of dispatch center (enter dispatch center phone number)*].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | * Text: New Smoke Report Send To: Fire Information Group * Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership * Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

**Zone (*Enter Response Zone Identifier [e.g. Number*])**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [*Enter name of dispatch center (enter dispatch center phone number)*].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | * Text: New Smoke Report Send To: Fire Information Group * Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership * Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

**Zone (*Enter Response Zone Identifier [e.g. Number]*)**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [*Enter name of dispatch center (enter dispatch center phone number)*].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | * Text: New Smoke Report Send To: Fire Information Group * Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership * Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

**Zone (*Enter Response Zone Identifier [e.g. Number]*)**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [*Enter name of dispatch center (enter dispatch center phone number)*].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | * Text: New Smoke Report Send To: Fire Information Group * Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership * Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

**Zone (*Enter Response Zone Identifier [e.g. Number]*)**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [Enter name of dispatch center (*enter dispatch center phone number*)].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | * Text: New Smoke Report Send To: Fire Information Group * Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership * Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

**Zone (*Enter Response Zone Identifier [e.g. Number]*)**

**[*Enter Response Zone Name*]**

[*List prominent geographic names/locations e.g. Topaz Mountains, North Swasey Mountains, and inter-mixed Valley Bottoms.*]

|  |  |
| --- | --- |
| **Procedures** | Dispatch closest forces based on current dispatch level. See table below for number and type of resources to be dispatched.  Suggested Closest Resources:  [*Enter Dispatch Location*]  [*Enter Dispatch Location*] |
| **Aviation** | **For aircraft operations, Military Airspace must be de-conflicted with [*Enter name of dispatch center (enter dispatch center phone number)*].**  If aviation resources ordered, send “Aircraft Ordered” text to Aircraft Group |
| **Notifications** | Text: New Smoke Report Send To: Fire Information Group  Upon jurisdictional determination, appropriate agency Duty Officer(s) based on land ownership  Neighboring Wildland Dispatch (near boundary) |
| **Hazards** | List any known hazards, e.g. WUI, power lines, gas lines, etc. |
| **Notes** | Note: Note any special instructions (e.g. Coordinate response along [*enter neighboring dispatch zone*] border with [*enter name of neighboring dispatch center*]. |

|  |  |
| --- | --- |
| **FDRA**  **[*Enter FDRA Name*]** | |
| **Dispatch Level** | **Resources** |
| **Low** | 1 Resource |
| **Moderate** | 1 Resource |
| **High** | 2 Resources |

**\*Resource is considered an Engine, Module, or Squad**

|  |  |
| --- | --- |
| **Suggested Radio Frequencies** | |
| [*Enter radio channel ID e.g. TAC1*] | [*Enter repeater name*]  [*Enter repeater name*] |

# Appendix A

## NFDRS Analysis Outputs & Decision Point Determinations

*[Enter FDRA Name]*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | **Table XX: FireFamilyPlus Parameters** | | | | | |
| Large Fire  Size (acres) |  |  | | | **SIG: [*Enter SIG Name*]** | | | | |
| Multiple Fire  Day (fires/day) |  |
|  | |
|  | |
| Weather Station Number → | | | ***RAWS #1*** | | | ***RAWS #2*** | ***RAWS #3*** | ***RAWS #4*** | ***RAWS #5*** |
| Weather Station Name | | |  | | |  |  |  |  |
| NFDRS 2016 Fuel Model | | |  | | |  |  |  |  |
| Data Years Used in Analysis | | |  | | |  |  |  |  |
|  | | |  | | |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **FDRA** | **Component**  **Index** | **NFDRS 2016 Fuel Model** | **Probability**  **Range** | **R2** | **Chi2** |  |
| **[Enter FDRA Name]** |  |  |  |  |  |  |
| [*Enter fire season date range*] |  |  |  |  |  | **Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Large Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Multi-Fire Day** |

**Table XX.** Fire Probability analyses results using [*enter Component In*dex] and Fuel Model [*XX*] - FireFamily Plus (v 5.0).

*[Enter FDRA Name]*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | **Table XX: FireFamilyPlus Parameters** | | | | | |
| Large Fire  Size (acres) |  |  | | | **SIG: [*Enter SIG Name*]** | | | | |
| Multiple Fire  Day (fires/day) |  |
|  | |
|  | |
| Weather Station Number → | | | ***RAWS #1*** | | | ***RAWS #2*** | ***RAWS #3*** | ***RAWS #4*** | ***RAWS #5*** |
| Weather Station Name | | |  | | |  |  |  |  |
| NFDRS 2016 Fuel Model | | |  | | |  |  |  |  |
| Data Years Used in Analysis | | |  | | |  |  |  |  |
|  | | |  | | |  |  |  |  |

|  |  |  |  |  |  |  |
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| **FDRA** | **Component**  **Index** | **NFDRS 2016 Fuel Model** | **Probability**  **Range** | **R2** | **Chi2** |  |
| **[Enter FDRA Name]** |  |  |  |  |  |  |
| [*Enter fire season date range*] |  |  |  |  |  | **Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Large Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Multi-Fire Day** |

**Table XX.** Fire Probability analyses results using [*enter Component In*dex] and Fuel Model [*XX*] - FireFamily Plus (v 5.0).

*[Enter FDRA Name]*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | **Table XX: FireFamilyPlus Parameters** | | | | | |
| Large Fire  Size (acres) |  |  | | | **SIG: [*Enter SIG Name*]** | | | | |
| Multiple Fire  Day (fires/day) |  |
|  | |
|  | |
| Weather Station Number → | | | ***RAWS #1*** | | | ***RAWS #2*** | ***RAWS #3*** | ***RAWS #4*** | ***RAWS #5*** |
| Weather Station Name | | |  | | |  |  |  |  |
| NFDRS 2016 Fuel Model | | |  | | |  |  |  |  |
| Data Years Used in Analysis | | |  | | |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- |
| **FDRA** | **Component**  **Index** | **NFDRS 2016 Fuel Model** | **Probability**  **Range** | **R2** | **Chi2** |  |
| **[Enter FDRA Name]** |  |  |  |  |  |  |
| [*Enter fire season date range*] |  |  |  |  |  | **Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Large Fire Day** |
| [*Enter fire season date range*] |  |  |  |  |  | **Multi-Fire Day** |

**Table XX.** Fire Probability analyses results using [*enter Component In*dex] and Fuel Model [*XX*] - FireFamily Plus (v 5.0).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Response Level: FireFamilyPlus Analysis Factors and Determinations** | | | | | | | |
| **Rating Area** | **SIG/RAWS** | **Data Years Used** | **Weighting Factor** | **Fuel Model** | **NFDRS Index** | **Class** | **Range** |
| **[*Enter FDRA Name*]** | SIG: |  | 1  1  1 |  |  | 1  2  3 |  |
| **[*Enter FDRA Name*]** | SIG: |  | 1  1  1 |  |  | 1  2  3 |  |
| **[*Enter FDRA Name*]** | SIG: |  | 1  1  1 |  |  | 1  2  3 |  |

**Table XX.** FireFamilyPlus Analysis Factors and Decision Point Determinations.

# Appendix B

## FireFamilyPlus Decision Points Graphs (e.g. Percentiles, Probabilities, Class Percentages)



# Appendix C

## Response Zones Map



# Appendix D

## Dispatch Locations

|  |  |  |  |
| --- | --- | --- | --- |
| Dispatch Location Name | Agency | Resource Type(s) Available | Address |
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