

Eastern Great Basin Coordination Center

7-Day Significant Fire Potential Product



June 2008

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This document outlines Eastern Great Basin Coordination Center's (EGBCC) operational **7-Day Significant Fire Potential Model and Product** as well as the weather monitoring infrastructure designed to support it.

Overview and Purpose

The outcome of the **7 Day Significant Fire Potential Model** is the daily projected significant fire potential for sub-units of Eastern Great Basin called Predictive Services Areas for the next 7 days.

The overall purpose of this product is to identify where and when nationally shared resources will most likely be required for suppression efforts for the next 7 days in order to help regional fire managers make informed resource movement decisions. Uses of this product by local level fire managers include: help determine daily staffing decisions, support severity funding requests, and help make local resource movement decisions. For best use of this product it is important to understand how the product was designed and what it represents. This product is derived by estimating the daily large fire probability for each PSA by assessing the following:

1. Daily probability of occurrence of a new large fire and/or,
2. Daily potential for significant growth on an existing fire.

Significant Fire Event – An event measured by the occurrence of fire(s) that requires mobilization of additional resources from outside the fire event area.

Significant Fire Potential - The likelihood a wild land fire event will require mobilization of additional resources from outside the area in which the fire situation originates.

Weather and Fuels Monitoring Infrastructure

In order to facilitate the assessment of **significant fire potential** with some degree of spatial resolution we have broken up the region into a subset of smaller forecast areas. In addition, we have established a manageable sub-network of “key” weather and NFDRS reporting stations. These Remote Automated Weather Stations (RAWS) will be used for monitoring both weather and fuel conditions in the determination of significant fire potential.

The smaller forecast areas were determined by defining geographic areas with similar climate, topography, fire occurrence and fuel type. These forecast areas are called **Predictive Services Areas (PSAs)**. Key RAWS within each PSA were chosen based on how well they correlated with the other RAWS in the PSA. RAWS whose minimum relative humidities trended up or down well together were used as the key RAWS for that PSA. A map of the PSAs within EGB is included as Appendix A. The list of key RAWS for each PSA is included as part of Appendix B.

Significant Fire Potential Model

Projections of the daily probability of a **Significant Fire Event** for the next 7 days are generated each morning by 1000 MDT during the fire season (May – October) at EGBCC.

Definitions

Significant Fire Event -For the purposes of the model a Significant Fire Event has been defined in terms of the occurrence of a Large Fire. The rationale for this is that the occurrence of a **Large Fire** represents a scenario where outside resources will be needed, costs escalate and regional and national resource managers get involved.

Fire Day – Any day that at least one fire, of any size, was reported to have **started**.

Large Fire – A fire of such size that meets or exceeds the 95th percentile of daily largest fires for all fire days during months and years used in the data set for each PSA.

Large Fire Day – Any day that at least one fire was reported to have started that **eventually became** a Large Fire.

Example:

For **PSA EB01** – The largest fire size on 95% of all **Fire Days** that occurred during the months of July – September for the years 1993-2004 was less than 300 acres. Only 5 percent of all **Fire Days** had a 300 acre or larger fire during the specified time frame. Therefore, a **Large Fire** is defined as 300 acres for this PSA.

This criteria results in a Large Fire size unique to each PSA, ranging from as small as 30 acres in northeast Utah, to 2000 acres in southwest Idaho. Large fire sizes are defined for each PSA as part of Appendix B.

Fuel Dryness Level (DL)

We have chosen to use projected NFDRS fuel moisture values to help predict large fire potential.

Our research has shown that a matrix of the historical NFDRS Energy Release Component for fuel model G (**ERC-G**) versus the 100-hr fuel moisture (100Hr) relates relatively well to large fire occurrence. A matrix of these NFDRS components has been developed for each PSA, as measured by the key RAWS. **ERC-G** values run across the top of the matrix and **100Hr** values run down the left column. The numbers within the matrix show how many **Large Fire Days** occurred for each combination of **ERC-G** and **100Hr** during the specified time period. For each combination of **ERC-G** and **100Hr**, the empirical probability of breaking a Large Fire, given an ignition, has been calculated and included as Appendix B. The matrices were created to establish breakpoints of the **ERC-G** and **100Hr** values for use within the model. This range of probabilities has been broken into three groups called **Dryness Levels**, represented as 1 of 3 possible colors defined below.

Dryness Level	Large Fire Potential Description	Ave. % probability of breaking a large fire
Green (Moist)	Indicates a DL which historically has resulted in a very low probability of large fires.	1-3%
Yellow (Dry)	Indicates a transitional dryness situation that will not typically result in large fires unless accompanied by a Significant Weather Trigger.	5-7%
Brown (Very Dry)	Indicates a DL which results in a much higher than normal probability of large fires when accompanied by a Significant Weather Trigger. A low to moderate probability for large fire exits in the absence of a trigger.	12-15%
Red (High Risk)	Indicates an especially high probability of large fires. Occurs when the DL is either brown or yellow and is accompanied with a significant weather trigger. DL will appear red with a symbol designating the specific weather trigger.	20-25%



How the model works:

Raw grid point data from weather models is run through regression equations to generate temperature and relative humidity forecasts for each of the key RAWS for the next 7 days. These forecasts are then used in conjunction with the observed ERC and 100Hr values from the previous afternoon to forecast the daily average ERC-G and 100Hr for each PSA for the next 7 days. The ERC-G and 100Hr are then run through the fuel dryness matrices to create the initial Dryness Level forecast.

After running the model and adjusting the output, the meteorologist will also forecast and add **High Risk Days** to the Dryness Level chart indicating any especially high probability days of breaking a large fire due to **significant weather triggers** such as high winds or dry lightning. Short written weather, fuels and resource discussions are added to the Dryness Level chart to produce the complete **7 Day Significant Fire Potential** product. An example of the product is included as Appendix C.

Actual model output forecasts of temperature, relative humidity, ERC-G and 100Hr for each PSA are available on the EGB Predictive Services website.

Within Eastern Great Basin the following **significant weather triggers** are criteria for a **High Risk Day**:

1.  Represents critically dry and windy conditions. While this condition does not start fires, it often produces a favorable environment for new starts or existing fires to become large.
2.  An expected combination of dry fuels and a lightning trigger. This is NOT simply a lightning forecast, but a forecast of lightning conducive to large fire activity.

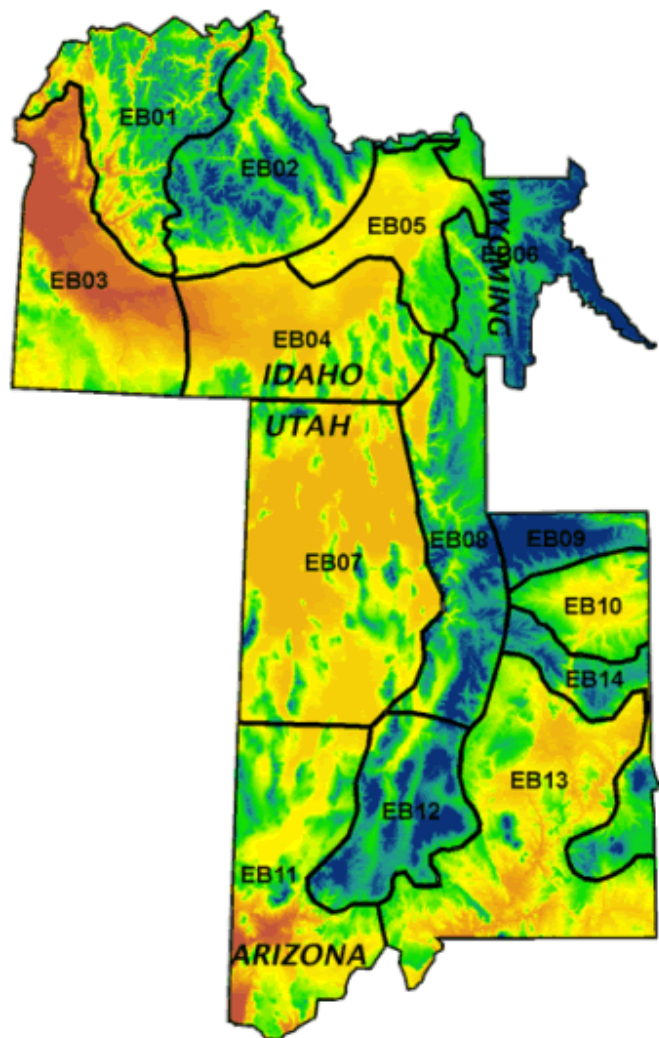
Summary of “7 Day Significant Fire Potential” Product:

The **7 Day Significant Fire Potential** product is a snapshot of the predicted potential of breaking a **Large Fire** across the Eastern Great Basin for the next 7 days. Smaller geographic areas, called **PSA's** were developed to more precisely forecast Large Fire potential. Dryness Levels are used to represent ranges of probabilities of a Large Fire and are shown on the chart with the DL's displayed as different colors.

Appendices

Appendix A - Predictive Services Areas (PSA):

Eastern Great Basin Geographic Area has been divided into 14 PSA's. These divisions have been made based on similarities within each PSA of the following parameters: fire occurrence, fuel type, elevation, geography, and climate. Below is a topographic map of Eastern Great Basin showing these 14 PSA's.



PSA Names:

- EB01** – West Central Idaho Mountains
- EB02** – East Central Idaho Mountains
- EB03** – Southwest Idaho and Lower Snake River Plain
- EB04** – South Central Idaho
- EB05** – Upper Snake River Plain
- EB06** – Western Wyoming and Eastern Idaho Mountains
- EB07** – Northwest Utah Deserts
- EB08** – North Central Utah Mountains
- EB09** – Northeast Uinta Mountains
- EB10** – Uintah Basin
- EB11** – Southwest Utah Deserts and Arizona Strip
- EB12** – South Central Utah Mountains
- EB13** – Southeast Utah Deserts
- EB14** – Southeast Utah Mountains and Bookcliffs

The following pages describe each PSA including the Fuel Moisture Matrices used to define the respective PSAs Dryness Levels.

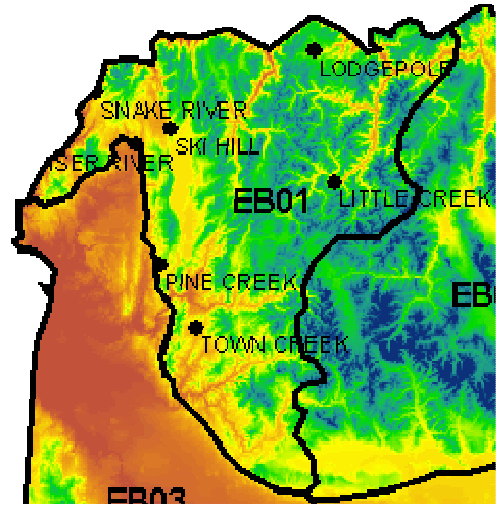
Appendix B – EGB PSA’s

PSA EB01 – West Central Idaho Mountains

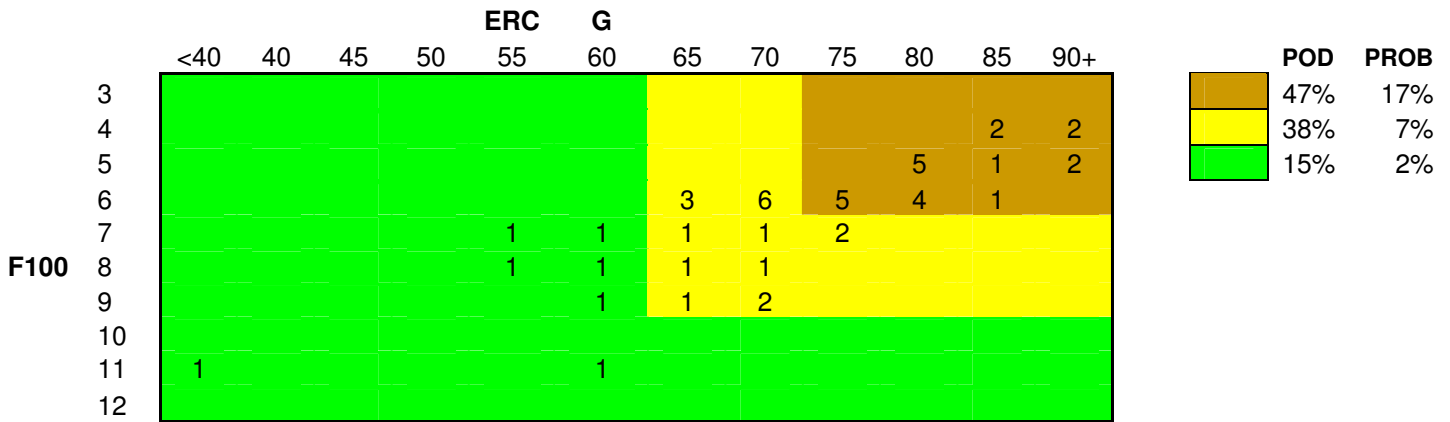
<u>RAWS Name</u>	<u>WIMS ID</u>
Ski Hill	101223
Pine Creek	101222
Town Creek	101708
Little Creek	101805
Logdepole	101044
Snake	101109
Weiser River	101108

Large Fire Size for EB01: **2000 acres**
 Months used for analysis: **July - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB01:
 Boise National Forest
 Payette National Forest
 Salmon – Challis National Forest
 BLM Boise District



EB01 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 60% of all large fires occurred when the ERC was above 70 and the 100 Hr FM was below 6.
 (Falling within the brown box)

PROB = the probability that any start will turn into a large fire on a brown, yellow, or green day.

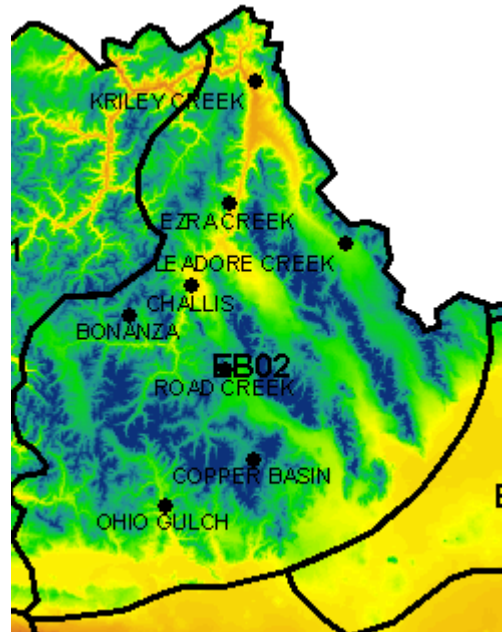
E.g. 17% of all fires that occurred when the ERC was above 70 and the 100 Hr FM was below 6
 became large.

PSA EB02 – East Central Idaho Mountains

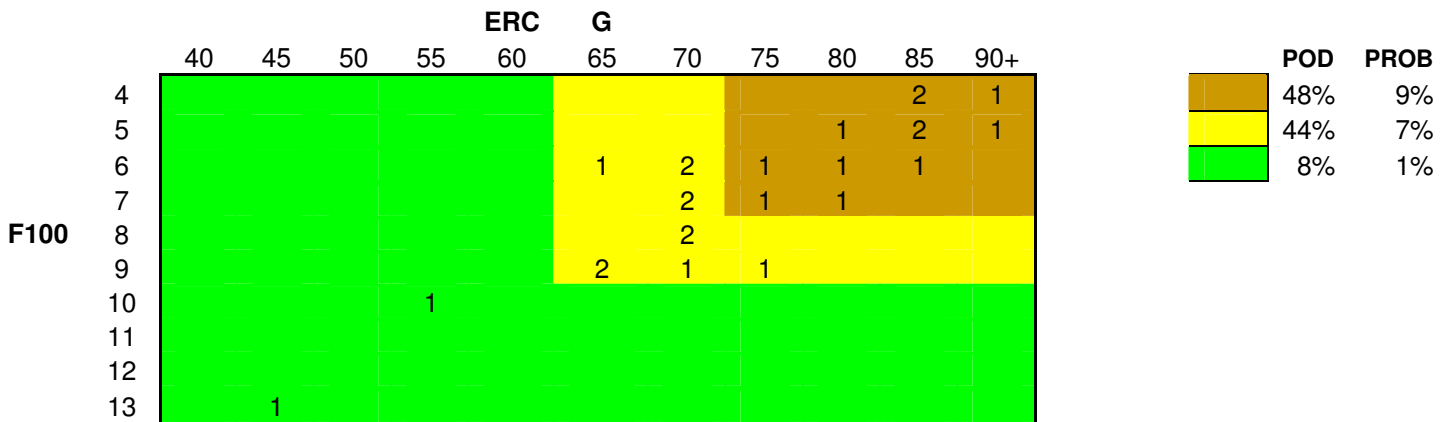
<u>RAWS Name</u>	<u>WIMS ID</u>
Bonanza	101801
Challis	101817
Copper Basin	101804
Ezra Creek	101314
Kriley Creek	101312
Leadore Creek	101312
Road Creek	101816
Ohio Gulch	102906

Large Fire Size for EB02: **700 acres**
 Months used for analysis: **July - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB02:
 Salmon – Challis National Forest
 Sawtooth National Forest
 Targhee National Forest
 BLM Salmon District
 Craters of the Moon National Monument



EB02 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 72% of all large fires occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 8. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 9% of all fires that occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 8 became large.

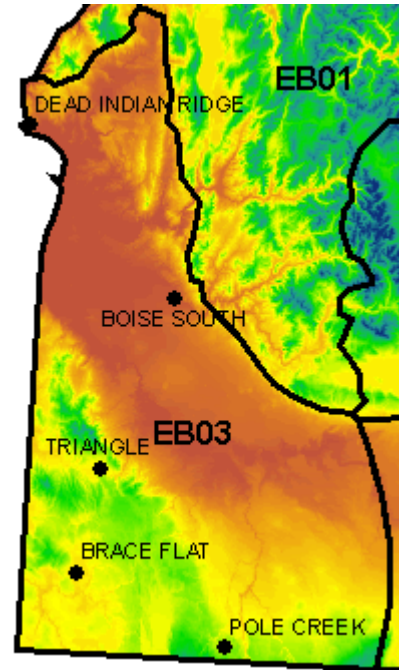
PSA EB03 – Southwest Idaho and Upper Snake River

Plain

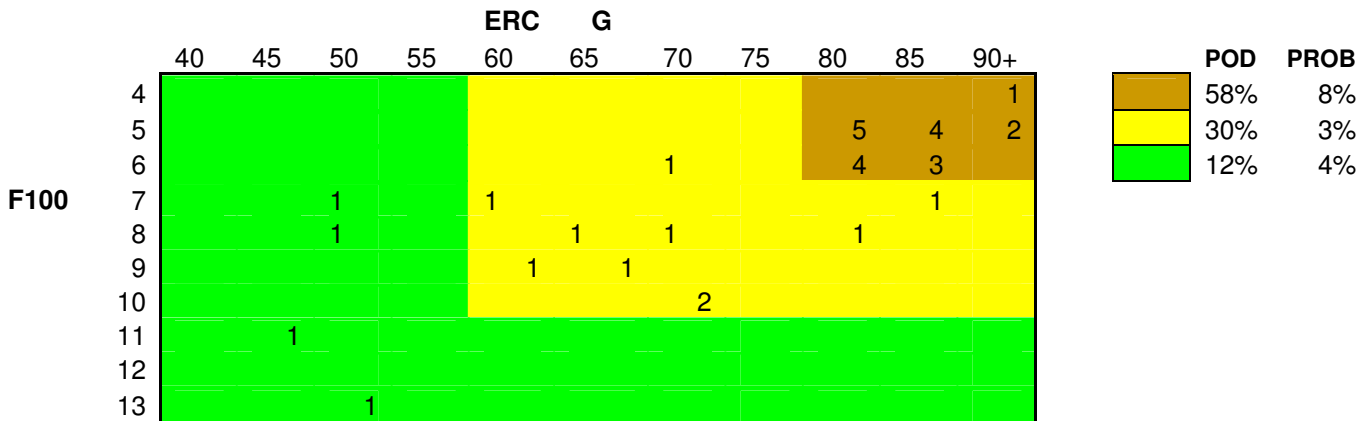
<u>RAWS Name</u>	<u>WIMS ID</u>
Dead Indian Ridge	101402
Triangle	103208
Brace Flat	103207
Pole Creek	103210
Boise South	102601

Large Fire Size for EB03: **4300 acres**
 Months used for analysis: **June - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB03:
 BLM Boise District
 BIA Duck Valley Reservation



EB03 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

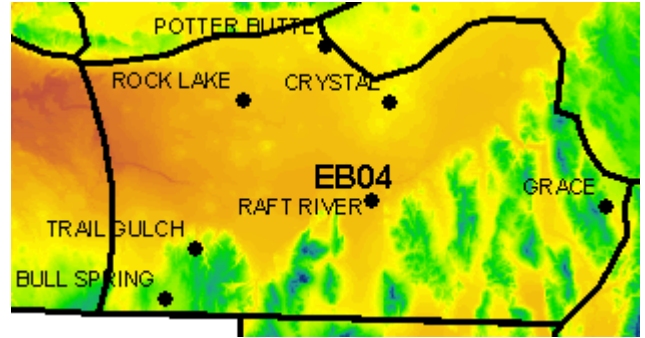
E.g. 58% of all large fires occurred when the ERC was at or above 80 and the 100 Hr FM was at or below 6. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 8% of all fires that occurred when the ERC was at or above 80 and the 100 Hr FM was at or below 6 became large.

PSA EB04 – South Central Idaho

<u>RAWS Name</u>	<u>WIMS ID</u>
Rock Lake	103403
Potter Butte	102907
Crystal	103703
Bull Spring	104006
Grace	103902
Raft River	104104
Trail Gulch	104004

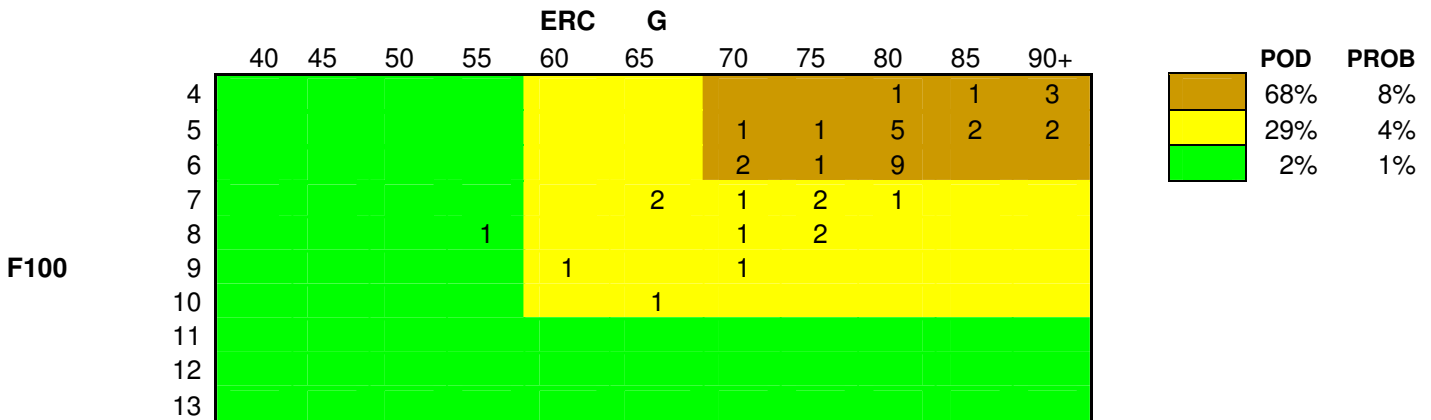


Large Fire Size for EB04: **4600 acres**
 Months used for analysis: **June - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB04:

BLM Twin Falls District
 BLM Idaho Falls District
 Sawtooth National Forest
 Caribou-Targhee National Forest
 BIA Fort Hall Agency
 City of Rocks National Reserve

EB04 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 78% of all large fires occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 6. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

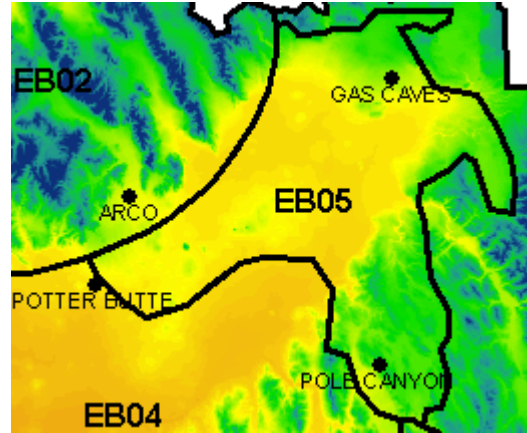
E.g. 8% of all fires that occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 6 became large.

PSA EB05 – Upper Snake River Plain

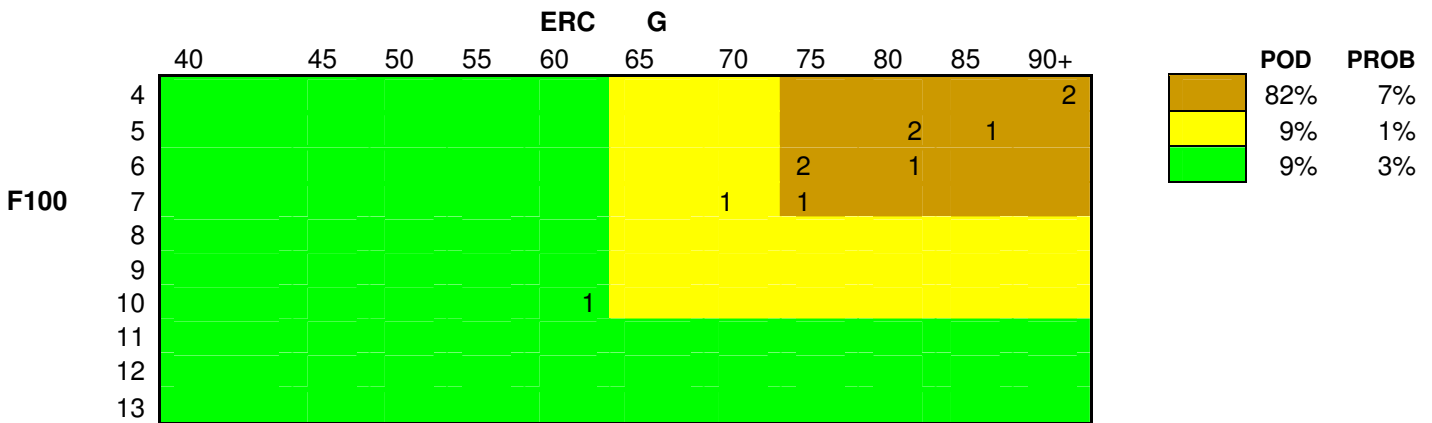
<u>RAWS Name</u>	<u>WIMS ID</u>
Pole Canyon	103903
Gas Caves	102106
Arco	101905
Potter Butte	102907

Large Fire Size for EB05: **2700 acres**
 Months used for analysis: **June - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB05:
 BLM Idaho Falls District
 BIA Fort Hall Agency



EB05 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 82% of all large fires occurred when the ERC was at or above 75 and the 100 Hr FM was at or below 7. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 7% of all fires that occurred when the ERC was at or above 75 and the 100 Hr FM was at or below 7 became large.

PSA EB06 – Western Wyoming and Eastern Idaho Mountains

RAWS Name

Hoback
Raspberry
Grand Teton
Burro Hill

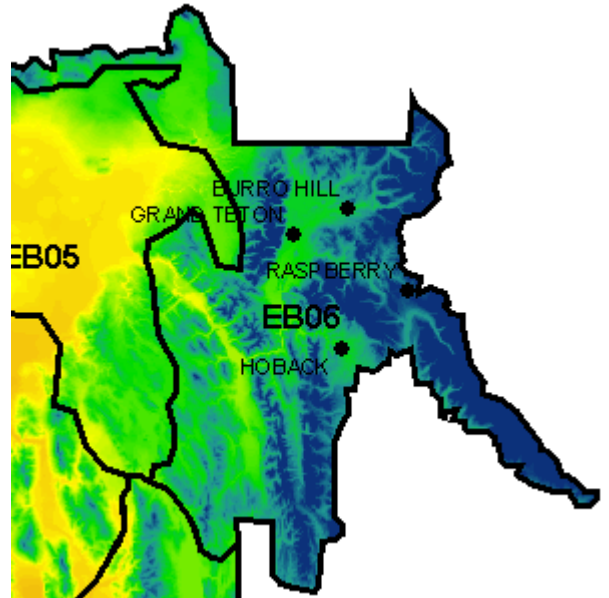
WIMS ID

481302
481307
480708
480707

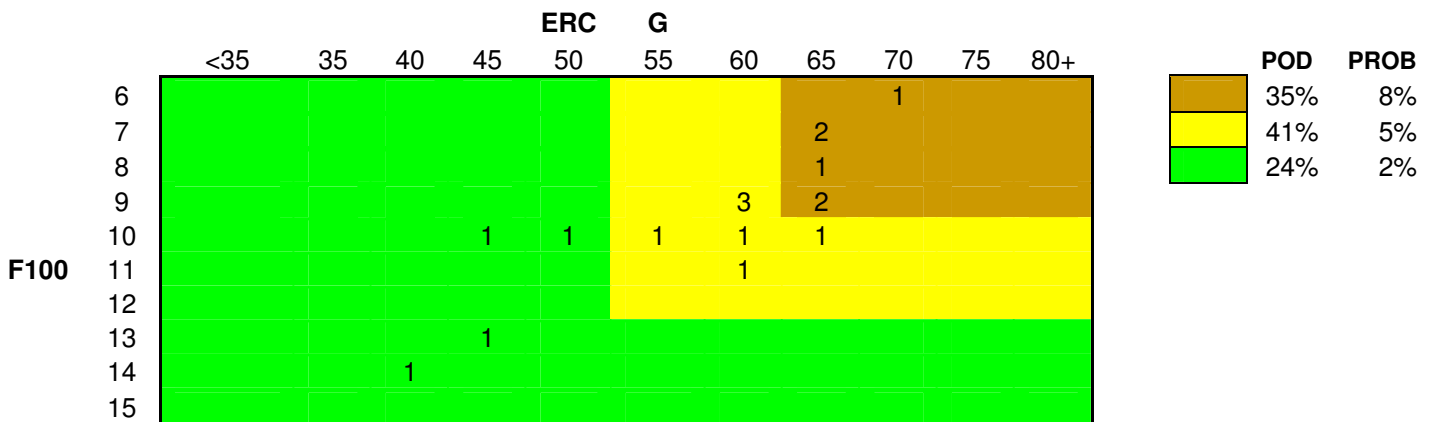
Large Fire Size for EB06: **750 acres**
Months used for analysis: **July - September**
Years used for analysis: **1993-2004**

Federal Lands within EB06:

Grand - Teton National Park
Bridger – Teton National Forest
Caribou – Targhee National Forest



EB06 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 35% of all large fires occurred when the ERC was at or above 65 and the 100 Hr FM was at or below 9. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 8% of all fires that occurred when the ERC was at or above 65 and the 100 Hr FM was at or below 9 became large.

PSA EB07 – Northwest Utah

RAWS Name

Cedar Mountain
 Vernon
 Tule Valley
 Aragonite

WIMS ID

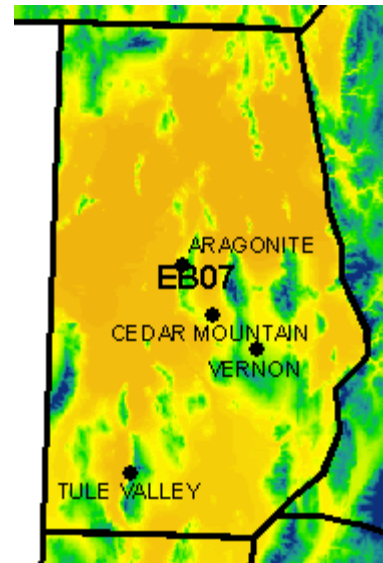
420901
 420908
 421806
 420911

Large Fire Size for EB07:
 Months used for analysis:
 Years used for analysis:

5000 acres
June - September
1993-2004

Federal Lands within EB07:

BLM Salt Lake District
 BLM Richfield District
 Sawtooth National Forest
 Wasatch National Forest
 Uinta National Forest
 Fishlake National Forest



EB07 “Large Fire Day” Matrix:

		ERC												
		<60	60	65	70	75	80	85	90	95	100	105+	POD	PROB
F100	<3												42%	8%
	3									1	4	1	44%	6%
	4					1	1	5	2	3			14%	3%
	5	1			1		1	1	5	5				
	6	1			3	2	2	1	1					
	7					1	2	2						
	8		1			1	1							
	9													
	10													
	11													
	12													

POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 54% of all large fires occurred when the ERC was at or above 85 and the 100 Hr FM was at or below 5. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

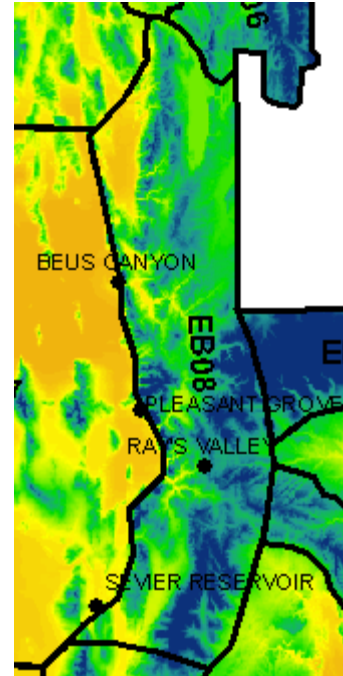
E.g. 7% of all fires that occurred when the ERC was at or above 85 and the 100 Hr FM was at or below 5 became large.

PSA EB08 – North Central Utah Mountains

<u>RAWS Name</u>	<u>WIMS ID</u>
Rays Valley	421103
Pleasant Grove	421101
Seveir Reservoir	421501
Bues Canyon	420403

Large Fire Size for EB08: **300 acres**
 Months used for analysis: **June - September**
 Years used for analysis: **1993-2004**

Federal Lands within EB08:
 Wasatch –Cache National Forest
 Uinta National Forest
 Manit-La Sal National Forest



EB08 “Large Fire Day” Matrix:

	ERC										POD	PROB
	50	55	60	65	70	75	80	85	90	95+		
F100	3								1	1	50%	12%
	4							2	7	3	37%	5%
	5				1		1	5	3		13%	2%
	6			2	1	2	5	4	1			
	7			1	3	2	1	1				
	8			1		2						
	9			1		1						
	10											
	11			1	1							
	12											

POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 61% of all large fires occurred when the ERC was at or above 80 and the 100 Hr FM was at or below 6. (Falling within the brown box)

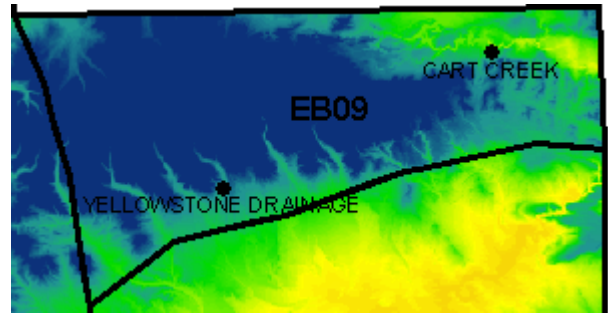
PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 10% of all fires that occurred when the ERC was at or above 80 and the 100 Hr FM was at or below 6 became large.

PSA EB09 – Northeast Uinta Mountains

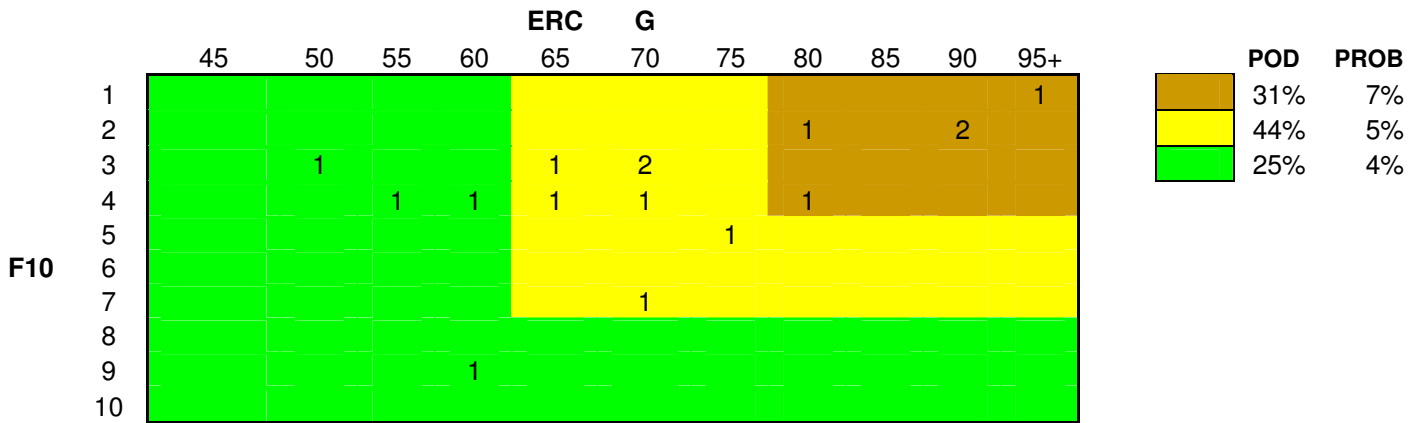
<u>RAWS Name</u>	<u>WIMS ID</u>
Yellowstone	421301
Cart Creek	420805

Large Fire Size for EB09: **150 acres**
 Months used for analysis: **June - September**
 Years used for analysis: **1993-2004**



Federal Lands within EB09:
 Ashley National Forest
 Wasatch – Cache National Forest

EB09 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 50% of all large fires occurred when the ERC was at or above 70 and the 10 Hr FM was at or below 4. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 7% of all fires that occurred when the ERC was at or above 70 and the 10 Hr FM was at or below 4 became large.

PSA EB10 – Uinta Basin

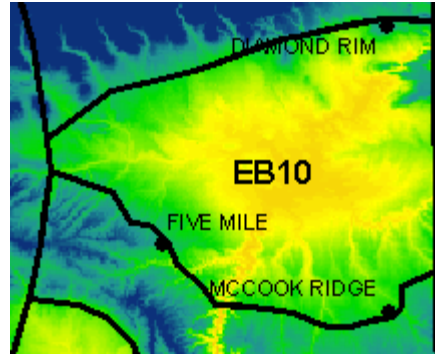
RAWS Name

McCook
Diamond
Five Mile

WIMS ID

420805
421408
421304

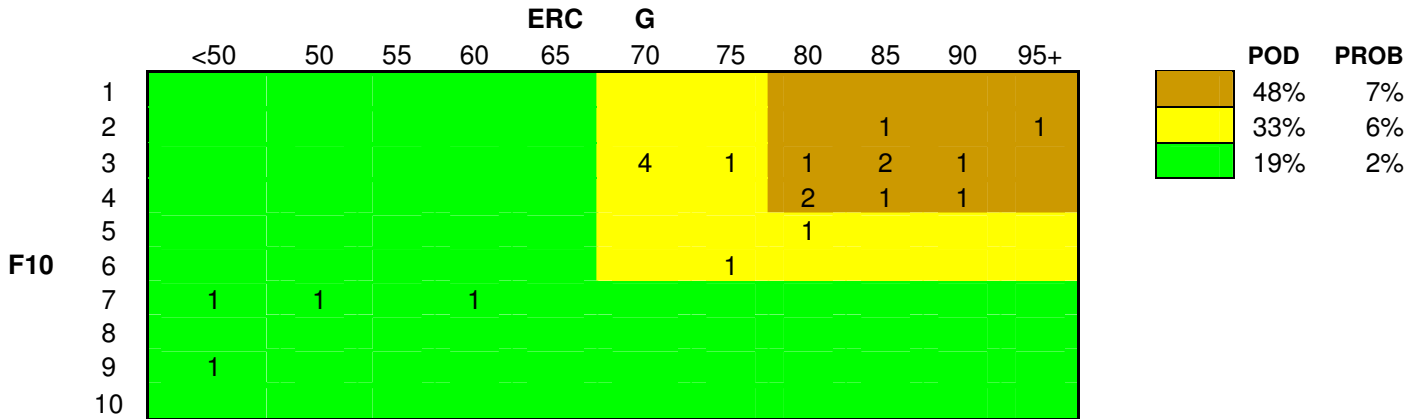
Large Fire Size for EB10: **100 acres**
Months used for analysis: **June - September**
Years used for analysis: **1993-2004**



Federal Lands within EB10:

BLM Vernal District
BIA Uintah and Ouray Agency
Dinosaur National Monument

EB10 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 71% of all large fires occurred when the ERC was at or above 70 and the 10 Hr FM was at or below 4. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

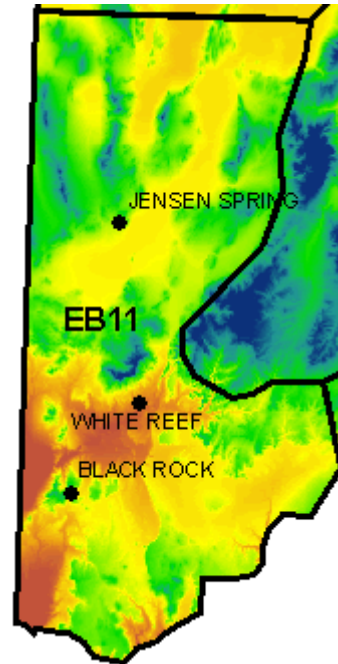
E.g. 7% of all fires that occurred when the ERC was at or above 70 and the 10 Hr FM was at or below 4 became large.

PSA EB11– Southwest Utah Deserts and Arizona Strip

<u>RAWS Name</u>	<u>WIMS ID</u>
Jensen Spring	422502
White Reef	422805
Blackrock	020114
Enterprise	422803

Large Fire Size for EB11: **2000 acres**
 Months used for analysis: **May - August**
 Years used for analysis: **1993-2004**

Federal Lands within EB11:
 BLM Cedar City District
 BLM Richfield District
 Dixie National Forest
 Kaibab National Forest
 Zion National Park
 Lake Mead National Recreation Area



EB11 “Large Fire Day” Matrix:

		ERC											POD	PROB			
		<60	60	65	70	75	80	85	90	95	100	105			110+		
F100	2	Green				Yellow				Brown			45%	6%			
	3	Green				Yellow				4	1	2	1	1	34%	5%	
	4	Green				Yellow				2	4	3	1	1	34%	5%	
	5	Green				2	Yellow				1	1	Brown		16%	3%	
	6	Green				1	2	2	1	2	1	Brown			16%	3%	
	7	Green				2	Yellow				Brown			16%	3%		
	8	Green				1	1	Yellow				Brown			16%	3%	
	9	1	1	1	Green								Brown			16%	3%
	10	Green											Brown			16%	3%
	11	Green											Brown			16%	3%

POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 45% of all large fires occurred when the ERC was at or above 90 and the 100 Hr FM was at or below 5. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 6% of all fires that occurred when the ERC was at or above 90 and the 100 Hr FM was at or below 5 became large.

PSA EB12– South Central Utah Mountains

RAWS Name

Assay Bench
Buck Flat

WIMS ID

422604
422606

Large Fire Size for EB12:

300 acres

Months used for analysis:

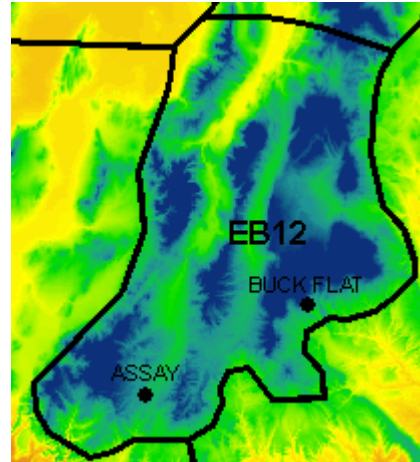
May - August

Years used for analysis:

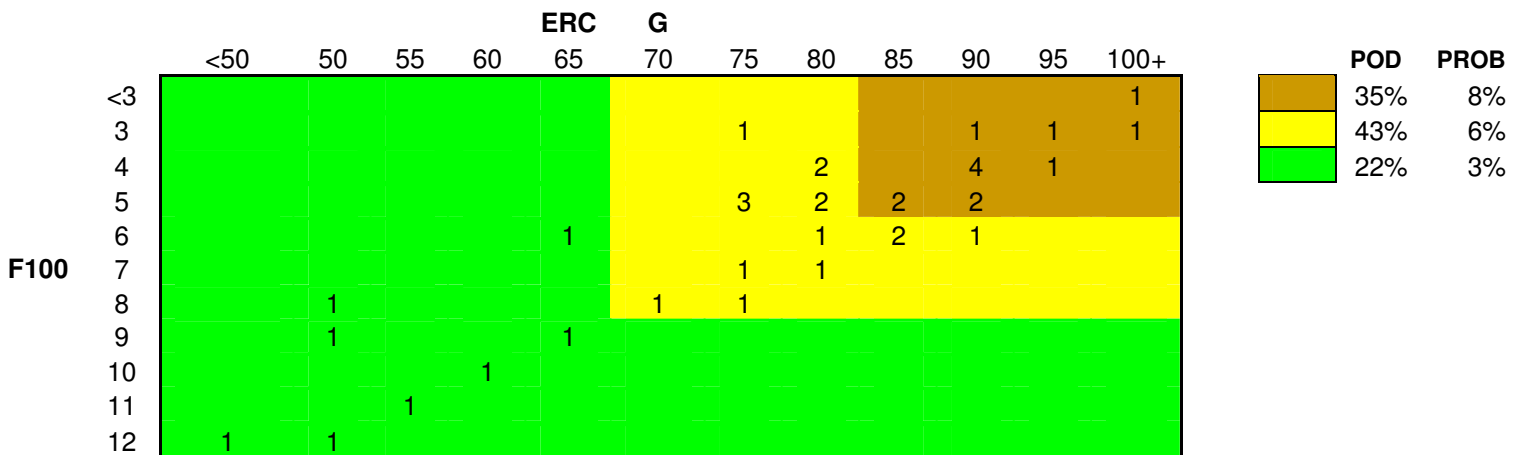
1993-2004

Federal Lands within EB12:

Dixie National Forest
Fishlake National Forest
BIA Southern Paiute Agency
BLM Cedar City District
BLM Richfield District
Cedar Breaks National Monument
Bryce Canyon National Park
Capitol Reef National Park



EB12 “Large Fire Day” Matrix:



POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 57% of all large fires occurred when the ERC was at or above 75 and the 100 Hr FM was at or below 5. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 9% of all fires that occurred when the ERC was at or above 75 and the 100 Hr FM was at or below 5 became large.

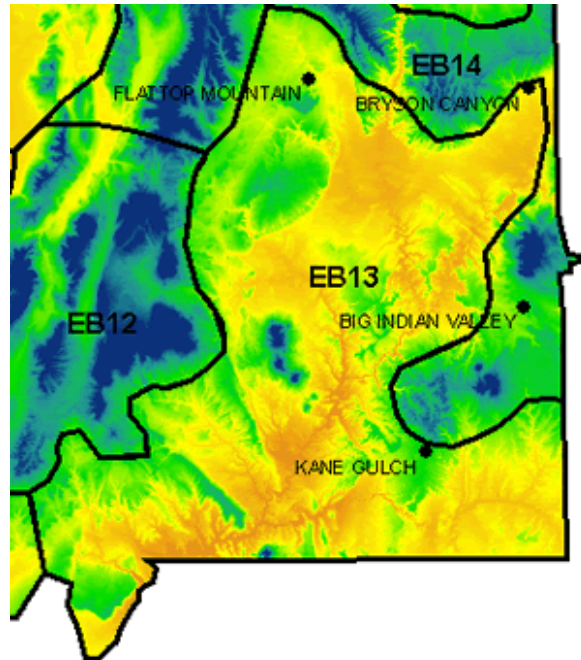
PSA EB13– Southeast Utah Deserts

<u>RAWS Name</u>	<u>WIMS ID</u>
Big Indian	422711
Bryson Ridge	422102
Flattop Mtn	422002
Kane Gulch	422712

Large Fire Size for EB13: **300 acres**
 Months used for analysis: **May - August**
 Years used for analysis: **1993-2004**

Federal Lands within EB13:

BLM Moab District
 BLM Richfield District
 BLM Cedar City District
 Manti – La Sal National Forest
 Kaibab National Forest
 Glen Canyon National Recreation Area
 Capitol Reef National Park
 Canyonland National Park
 Arches National Park



EB13 “Large Fire Day” Matrix:

		ERC					G																
		60	65	70	75	80	85	90	95	100	105	110+	POD	PROB									
F100	2	Green					Yellow					Brown		<table border="1"> <tr> <td>Brown</td> <td>46%</td> <td>12%</td> </tr> <tr> <td>Yellow</td> <td>29%</td> <td>5%</td> </tr> <tr> <td>Green</td> <td>26%</td> <td>3%</td> </tr> </table>	Brown	46%	12%	Yellow	29%	5%	Green	26%	3%
	Brown														46%	12%							
	Yellow	29%	5%																				
	Green	26%	3%																				
	3							1	2	2	3	1											
	4							1	3	2		1											
	5			1		1		2	2														
	6			1	1				1	2													
	7							1	1														
	8			1		2		1															
	9					1																	
10				1																			
11																							

POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 51% of all large fires occurred when the ERC was at or above 90 and the 100 Hr FM was at or below 5. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

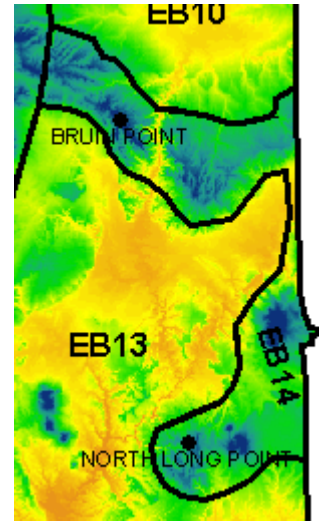
E.g. 9% of all fires that occurred when the ERC was at or above 90 and the 100 Hr FM was at or below 5 became large.

PSA EB14– Southeast Utah Mountains and Bookcliffs

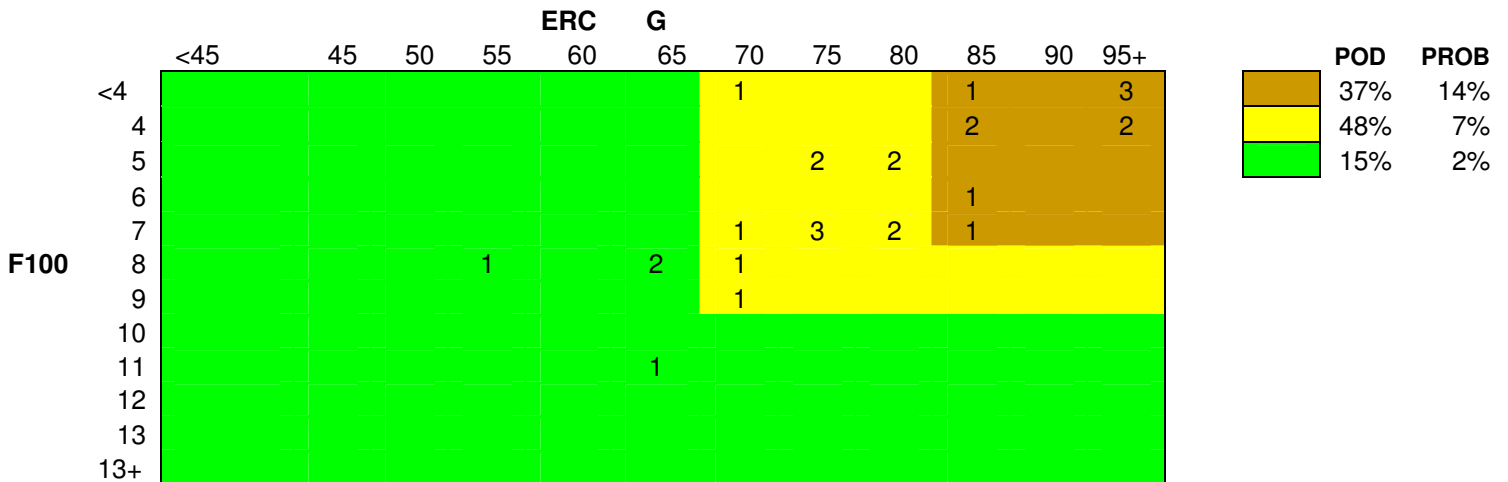
<u>RAWS Name</u>	<u>WIMS ID</u>
North Long Point	422710
Bruin Point	421702
Little Delores (Colorado)	052410

Large Fire Size for EB14: **200 acres**
 Months used for analysis: **May - August**
 Years used for analysis: **1993-2004**

Federal Lands within EB14:
 Manti – La Sal National Forest
 BLM Moab District
 BLM Vernal District
 BIA Uintah and Ouray Agency
 Ashley National Forest



EB14 “Large Fire Day” Matrix:



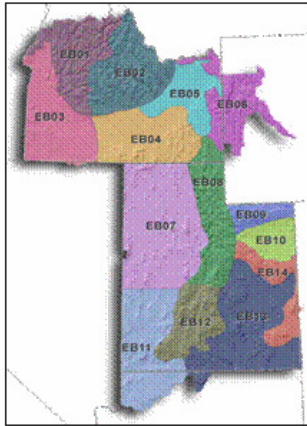
POD = the percentage of all large fires that occurred on a brown, yellow, or green day.

E.g. 78% of all large fires occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 7. (Falling within the brown box)

PROB = the probability that a fire will turn into a large fire on a brown, yellow, or green day.

E.g. 10% of all fires that occurred when the ERC was at or above 70 and the 100 Hr FM was at or below 7 became large.

Appendix C – 7 Day Significant Fire Potential Product



Eastern Great Basin 7 Day Significant Fire Potential



Issued: Thursday, Jun 12, 2008

Next Update Thu 13 June 2008

Predictive Service Areas	Ytd	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Jun 11	Jun 12	Jun 13	Jun 14	Jun 15	Jun 16	Jun 17	Jun 18
EB01 - West Central ID Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB02 - East Central ID Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB03 - SW ID	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB04 - South Central ID	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB05 - Upper Snake River Plain	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB06 - Western WY	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB07 - NW UT Deserts	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB08 - North Central UT Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB09 - NE Uinta Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB10 - Uintah Basin	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB11 - SW UT Deserts & AZ Strip	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB12 - South Central UT Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB13 - SE UT Deserts	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist
EB14 - SE UT Mtns	Moist	Moist	Moist	Moist	Moist	Moist	Moist	Moist

Legend:

Fuel Dryness

- Moist - Little no risk for large fires.
- Dry - Low risk of large fires in the absence of a "High Risk" event.
- Very Dry - Low/Moderate risk of large fires in the absence of a "High Risk" event.
- Data Unavailable.

High Risk Events

Critical Burn Environment

- H** Hot & Dry - Temperatures much above seasonal normals with humidity 10% or less.
- W** Windy - Wind gusts 25 mph or greater.

Ignition Trigger

- ⚡** Lightning - LALs of 3 or higher.

High Risk Days

- At least a 20% chance of a "Large Fire" due to a combination of either "Dry" or "Very Dry" Fuel Dryness and an Ignition Trigger. High Risk Days will include the symbol indicating the type of event.
- At least a 20% chance of a new "Large Fire" or significant growth on existing fires due to

Weather Synopsis:

The upper level trough that has affected the area the past few days will move off to the east today allowing a ridge of high pressure to build across the south. Warm, dry conditions will develop basin wide through the weekend with temperatures finally reaching above normal by Sunday/Monday. Another low pressure will move across the north midweek bringing cooler temperatures to the north and increased southwest winds on Tuesday/Wednesday.

Fire Potential Discussion:

Fire potential will be on the increase this weekend as the warm and dry air mass will hasten the curing of fine fuels basin wide, however, no significant weather triggers are expected through the weekend. The greatest threat of elevated fire potential will be risk associated with weather