FireFamilyPlus Databases – Fire History

I. Downloading Historical Fire Data for Import into FireFamily

Downloading historical fire data from the National Fire and Aviation Management Web Applications (FAMWEB) site allows users to access historical fire data for all federal agencies. This paper will present one example on how to download USFS-specific historical fire data via FAMWEB as well as one example on how to download DOI-specific data from WFMI. Both examples will illustrate how to import this data into FireFamilyPlus (FFP).

A. Federal Agency Fire History

Historical fire data for federal agencies is available for download through the FAMWEB website: <u>https://fam.nwcg.gov/fam-web/</u>. Previous year's historical fire data is generally available for download by mid-April in the following calendar year.

USFS users can access USFS-specific data using FIRESTAT which can be accessed through the FAMWEB site: <u>https://fam.nwcg.gov/fam-web-was/Firestat/index.html</u> Note: Login and password are required. After downloading historical fire data from the FIRESTAT site, the process for importing USFS-specific fire data into FFP follows the same steps as described in this lesson.

DOI users can access DOI-specific historical fire data through the Wildland Fire Management Information (WFMI) website: <u>https://wfmi.nifc.gov/cgi/WfmiHome.cgi</u> Note: Login and password are required.

B. FAMWEB Fire Occurrence Data

Historical fire data for federal agencies can be found on the National Fire and Aviation Management (FAMWEB) website: <u>https://fam.nwcg.gov/fam-web/</u>

- From the menu items on the left side of the web page select 'Wildland Fire Related Links'
- Select 'Fire and Weather Data' and a new page will be displayed:



- Click on 'State Data'
- Select the State of interest from the dropdown list and a new page will be displayed:

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Data			Weather	Files	13-Feb-201	9			
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			Fires - FV	VS	23-Jun-201	8			
			Fires - NF	s	12-Mar-201	8			
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- The user can either select the agency of interest from the box at the top of the page or scroll down the page to the 'Fire Occurrence Files' window.
- In this example, the user will download historical fire occurrence data for the USFS, Coronado National Forest in Arizona.
- Note that the data range is from 1950 through 2017.
- To download the data right-click on the filename displayed in the blue text and select **Save target as...**' option. Download and save the file to a location on the computer where it can be found later. Next, the user will upload the historical fire occurrence data into FFP after all of the fire history data has been collected for the planning area.
- Note the different file formats for the USFS and DOI fire occurrence files.

Fire	Occurr	ence Files	
Agency	Unit Identifier	Unit Name	Fire Data
BLM	AZSAD	Safford Field Office	BLM-AZSAD 1972-2017 PchaFfp.txt
BLM	AZYUD	Yuma Field Office	BLM-AZYUD 1972-2017 PchaFfp.txt
BOR	AZPAL	Phoenix Area Office	BOR-AZPAL 1972-2017 PchaFfp.txt
BOR	AZYAL	Yuma Area Office	BOR-AZYAL 1972-2017 PchaFfp.txt
FS	AZASF	Apache-Sitgreaves National Forest	flnfmas2!0301!1950!2017.raw
FS	AZCOF	Coconino National Forest	flnfmas2!0304!1950!2017.raw
FS	AZCNF	Coronado National Forest	flnfmas2!0305!1950!2017.raw
FS	AZKNF	Kaibab National Forest	flnfmas2!0307!1950!2017.raw
FS	AZPNF	Prescott National Forest	flnfmas2!0309!1950!2017.raw
FS	AZTNF	Tonto National Forest	flnfmas2!0312!1950!2017.raw
FWS	AZBAR	Buenos Aires National Wildlife Refuge	FWS-AZBAR 1972-2017 PchaFfp.txt
FWS	AZBWR	Bill Williams National Wildlife Refuge	FWS-AZBWR 1972-2017 PchaFfp.txt
FWS	AZCBR	Cibola National Wildlife Refuge	FWS-AZCBR 1972-2017 PchaFfp.txt
FWS	AZCPR	Cabeza National Wildlife Refuge	FWS-AZCPR 1972-2017 PchaFfp.txt
•	1	1	•

C. WFMI Fire Occurrence Data (DOI-specific fire information)

Historical fire data for Department of Interior (DOI) agencies can also be found on the Wildland Fire Management Information (WFMI) website: <u>https://wfmi.nifc.gov/cgi/WfmiHome.cgi</u> Note: A login and password are required for users to access this website. New users can select the 'Access Request' link on the homepage to request login approval.

- Once the user has successfully logged on, click on the 'Fire Reporting' link and a new page will appear.
- Select 'Export' and a new page will be displayed:

\leftrightarrow \rightarrow C $$ ht	tps://wfmi.nifc.gov/cgi/FireReportingExport.Select 🔅 😇	🧿 🔰 🛛 🚯
🚺 Apps 📃 Bookmar	s 🗅 Amazon Prime ★ Bookmarks 💪 Google 🗅 MesoWest AZ RAWS 🗅 SWCC 🗅 WFDSS Home 🗅 Index of Public/Inci 🖒 Fire Data in Google 🖒 ROSS Login 🖒 McAfee	Dashboard
Fire Reporting	g - Export	
reate Data-set The	following is a list of the export data-set(s) available to create:	
Export	Description	Selection Criteria
EXCEL	The target audience for this export is users of Excel (and other spreadsheet applications) who want to create a single flat file that combines data from multiple tables in WFMI's relational database. When imported into a spreadsheet, columns correspond to data fields, and each row will contain the data values for a single fire report record. All <u>active data fields</u> ² , excluding the long general remarks (narrative) fields, are included. This export also includes several system-generated data fields, such as unique fire identifier, size class, and completion code.	• None
	As this export fire is generated, which accurate the set of express the point of origin location coordinates in a standardized format: Latitude Longitude, Decimal Degrees, NAD83 datum. However, there are rare instances where original (i.e. user-intered) coordinate values cannot be converted. A detailed explanation of the coordinate and datum conversion process can be found in the document <u>WFMI Fire Reporting Module Location Data</u> .	
	Because the <u>active data fields</u> [*] change over time, developers of custom-written applications should use caution when using this export; the fields available in this export and their order and format may change without notice.	
	* Active data fields are those which are displayed on the fire report forms currently in use by one or more of the four Bureaus (BIA, BOR, BLM, and/or NPS). Detailed Documentation	
GIS	The target audience for this export is the GIS community and users of GIS software. Developers of custom-written applications should use caution when using this export; the fields available in this export and their order and format may change without notice.	• None
	Detailed Documentation	
Google Earth	The target audience for this export is users of Google Earth and other software that can import kmz files. Developers of custom-written applications should use caution when using this export; the fields available in this export and their order and format may change without notice.	• None
	Detailed Documentation	
PCHA/FireFamily Plu	This export provides a single file of fire occurrence data that can be imported into PCHA (PC - Historical Analysis) version 1.2.31-Patch IE (released on 11/17/2005) or later. PCHA is a stand-alone program that performs analysis of historical weather and fire occurrence data to generate summary datasets and representative hypothetical scenarios that are used for a suite of fire planning applications including FPA, NFMAS, RAMS, etc. This export can also be imported into Fire Family Plus, a program that uses historic weather and fire occurrence data to analyze fire climatology and calculate fire danger indices.	• None
	As this export file is generated, WFMI adds new fields to express the point of origin location coordinates in a standardized format: Latitude/Longitude, Decimal Degrees, NAD83 datum. However, there are rare instances where original (i.e. user-entered) coordinate values cannot be converted. A detailed explanation of the	

• The user can download the data in a variety of formats. For this example, the user will select the '**PCHA/FireFamilyPlus**' format. After clicking on the '**PCHA/FireFamilyPlus**' button a new window will appear:

\leftrightarrow \rightarrow C \triangleq	https://wfmi.nife.gov/cgi/FireReportingExport.cgi/Page/PchaFfp 😵 🕑 🖉 👹
👖 Apps 📃 Booki	narks 🗅 Amazon Prime ★ Bookmarks 💪 Google 🗋 MesoWest AZ RAWS 🎦 SWCC 🗋 WFDSS Home 🎦 Index of Public/Inci 🖺 Fire Data in Google 🖺 ROSS Login 🎦 McAfee - Dashboard
Fire Reporti	ng - Export: Selection Criteria
Continue Cancel	
Export	PCHA/FireFamily Plus
Description	This export provides a single file of fire occurrence data that can be imported into PCHA (PC - Historical Analysis) version 1.2.31-Patch 1E (released on 11/17/2005) or later. PCHA is a stand- alone program that performs analysis of historical weather and fire occurrence data to generate summary datasets and representative hypothetical scenarios that are used for a suite of fire planning applications including FPA, NFMAS, RAMS, etc. This export can also be imported into Fire Family Plus, a program that uses historic weather and fire occurrence data to analyze fire climatology and calculate fire danger indices. As this export file is generated, WFMI adds new fields to express the point of origin location coordinates in a standardized format: Latitude/Longitude, Decimal Degrees, NAD83 datum. However, there are rare instances where original (i.e. user-entered) coordinate values cannot be converted. A detailed explanation of the coordinate and datum conversion process can be found in the document <u>WFMI Fire Reporting Module Location Data</u> . PCHA users please note: PCHA will not import data from fire reports that have failed any of WFMI's validation rules and are thereby flagged as "Incomplete" in the CompletionCode field - even if the incomplete data pertains to fields that are not used by PCHA and therefore are not included in the export file. If your export file is the rejected records. To ensure these records are used by PCHA, you will have to edit them in WFMI to resolve all validation errors, then create a new export file to import into PCHA. Fire Family Plus users please note: This export format is compatible with Fire Family Plus version 4 beta, which was released in April 2007, or later versions. Detailed Documentation
Selection Criteria Pre-defined	• None
	Required sections indicated by *
Bureau:*	All
Region/State:*	
Reporting Unit:*	
Fire Cause:*	🖉 Natural

- The 'Fire Reporting Export: Selection Criteria' window provides the user with a number of options to refine their search by Bureau, Region/State, Reporting Unit, Fire Cause, Fire Report Status, Date Range, and Fire Type/Protection Type. DOI users should all be familiar with these selection options.
- For this example, the user will select the following options:
 - Bureau: Bureau of Land Management (BLM)
 - o Region/State: Arizona
 - Reporting Unit: Safford-Tucson Zone
 - Fire Cause: Select all three options
 - Fire Report Status: Select 'All fire reports (complete and incomplete)'
 - Date Range: Enter 01/01/2000 through 12/31/2014
 - Fire Type/Protection Type: The user will select 'Fire Type 1' (Response Fires), Protection Types 1 and 5 (click on the box next to each of these protection types).

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👥 Apps 📙 Bookm	arks 🗅 Amazon Prime ★ Bookmarks 💪 Google 🎦 MesoWest AZ RAWS 🎦 SWCC 🎦 WFDSS Home 🎦 Index of Public/Inci 🎦 Fire Data in Google 🎦 ROSS Login 🛅 McAfee - Dashboard
Fire Type	Protection Type
1) BIA - Suppressed Fires BLM - Response Fire	D) BIA - Trust Lands, BIA Protection BIAM - BILM and (point of origin) where BLM has protection responsibility NP5 - NPS land under NPS protection
BOR - Suppressed Fire NPS - Suppressed Fires Select All Deselect All	2) BIA - Trust Lands, Other Federal Agency Protection BLM - BLM land (point of origin) protected by another Federal agency BOR - BOR land protected by another Federal agency BOR - BOR land protected by another Federal agency NPS - NPS lands protected by another federal agency
	3) BIA - Trust Lands, Non-Federal Agency Protection BLM - BLM land (point of origin) protected by a non-Federal agency under a contract or agreement BOR - BOR land protected by a non-Federal agency under a co-op agreement/contract NPS - NPS lands protected by another non-federal agency
	4) BIA - Trust Lands, Limited Action NPS - For fires suppressed under a confine or contain strategy
	5) BIA - Other Lands, BIA Protection, No Agreement/MOU/Contract (Threat to Trust Lands) BLM - Other land (non-BLM point of origin), action taken by the BLM to prevent spread to BLM Land NPS - Other lands not under an agreement, where NPS action taken to prevent spread to NPS land
	6) BIA - Other Lands, BIA Protection per Agreement/MOU/Contract BLM - Other land (non-BLM point of origin), BLM response requested NPS - Other lands protected by NPS under a memorandum of understanding, interagency agreement, or contract
	9) BLM - Response based on approved FMP & end result beneficial on >50% of burned acres

• Scroll to the bottom of the page and click on 'Continue' and a new page will appear 'Fire Reporting - Export: Confirmation':

Fire Repo	rting - Export: Confirmation	ŕ
Export	PCHA/FireFamily Plus	
Description	This export provides a single file of fire occurrence data that can be imported into PCHA (PC - Historical Analysis) version 1.2.31-Patch 1E (released on 11/17/2005) or later. PCHA is a stand-alone program that performs analysis of historical weather and fire occurrence data to generate summary datasets and representative hypothetical scenarios that are used for a suite of fire planning applications including EPA, NFMAS, RAMS, etc. This export can also be imported into Fire Family Plus, a program that uses historic weather and fire occurrence data to analyze fire climatology and calculate fire danger indices.	
	As this export file is generated, WFMI adds new fields to express the point of origin location coordinates in a standardized format: Latitude/Longitude, Decimal Degrees, NAD83 datum. However, there are rare instances where original (i.e. user-entered) coordinate values cannot be converted. A detailed explanation of the coordinate and datum conversion process can be found in the document WFMI Fire Reporting Module Location Data.	
	PCHA users please note: PCHA will not import data from fire reports that have failed any of WFMTs validation rules and are thereby flagged as "Incomplete" in the CompletionCode field - even if the incomplete data pertains to fields that are not used by PCHA and therefore are not included in the export file. If your export file includes data from both Complete and Incomplete fire reports, PCHA will reject the records associated with the Incomplete fire reports and generate a report entitled "Inport Errors" that lists the rejected records. To ensure these records are used by PCHA, you will have to edit them in WFMI to resolve all validation errors, then create a new export file to import into PCHA.	
	Fire Family Plus users please note: This export format is compatible with Fire Family Plus version 4 beta, which was released in April 2007, or later versions.	
Selection Criteria Pre- defined	• None	
Selection Criteria User- defined	 BLM - Arizona (AZ) - Safford-Tucson Zone (AZ-SAD) (ends 12/31/2014) Fire Cause: Natural, Human and not specified All fire reports (complete and incomplete) 01/01/2000 through 12/31/2014 BLM - Response Fire (1) BLM land (point of origin) where BLM has protection responsibility (11) Other land (non-BLM point of origin), action taken by the BLM to prevent spread to BLM Land (15) 	
Record Count	462	

- Create Revise Selection Criteria Cancel
 - Select 'Create' at the bottom of the web page and a new page, 'Fire Reporting –
 Export', will appear. If the requested data download file is large it may take a minute for
 the data to be assembled and made ready for download. This page will display the
 status of the download request.

Fire Reportin Download Data-se	ire Reporting - Export ownload Data-set The following is a list of the export data-set(s) that you have created:							
Export	Status	Description	Selection Criteria					
PCHA/FireFamily Plus	Finished 03/06/2019 15:28 PST Download Delete	This export provides a single file of fire occurrence data that can be imported into PCHA (PC - Historical Analysis) version 1.2.31-Patch 1E (released on 11/17/2005) or later. PCHA is a stand-alone program that performs analysis of historical weather and fire occurrence data to generate summary datasets and representative hypothetical scenarios that are used for a suite of fire planning applications including FPA, NFMAS, RANS, etc. This export can also be imported into Fire Family Plus, a program that uses historic weather and fire occurrence data to analyze fire climatology and calculate fire danger indices. As this export file is generated, WFMI adds new fields to express the point of origin location coordinates in a standardized format: Latitude/Longitude, Decimal Degrees, NAD83 datum. However, there are rare instances where original (i.e. user-entered) coordinate values cannot be converted. A detailed explanation of the coordinate and datum conversion process can be found in the document <u>WFMI Fire</u> <u>Reporting Module Location Data</u> . PCHA users please note: PCHA will not import data from fire reports that have failed any of WFMI's validation rules and are thereby flagged as "Incomplete" in the Completion Data. PCHA users please note: PCHA will not import data from the incomplete data prot used by PCHA and therefore are not included in the export file. If your export file includes data from both Complete ada from process, PCHA will reject the records associated with the lncomplete fire reports and generate a report entitled "Import Errors" that lists the rejected records. To ensure these records are used by PCHA, you will have to edit them in WFMI to resolve all validation errors, then create a new export file to import JOCA. Fire Family Plus users please note: This export format is compatible with Fire Family Plus version 4 beta, which was released in April 2007, or later versions. Detailed Documentation	Pre-defined: • None User-defined: • BLM - Arizona (AZ) - Safford- Tusson Zone (AZ- SAD) (ends 12/31/2014) • Fire Cause: Natural, Human and not specified • All fire reports (complete and incomplete) • 01/01/2000 through 12/31/2014 • BLM - Response Fire (1) • BLM land (point of origin) where BLM has protection responsibility (1)					

• When the data file is ready the user can click on the '**Download**' button. A new window will appear, '**Fire Reporting - Export: Download**':

Fire Reporting - Export: Download

Export	PCHA/FireFamily Plus
Description	This export provides a single file of fire occurrence data that can be imported into PCITA (PC - Historical Analysis) version 1.2.31-Patch IE (released on 11/17/2005) or later PCITA is a stand-alone program that performs analysis of historical weather and fire occurrence data to generate summary datasets and representative hypothetical scenarios that are used for a saite of fire planning applications including TPA, ITMAS, RAMS, etc. This export can also be imported into Fire Family Plus, a program that uses historic weather and fire occurrence data to analyze fire climatology and calculate fire danger indices.
	As this export file is generated. WFMI adds new fields to express the point of origin location coordinates in a standardized format: Latitude/Longinde, Decimal Degrees, NAD83 datum. However, there are rate instances where original (i.e. user-entered) coordinate values cannot be converted. A detailed explanation of the coordinate and datum correction process can be found in the document WFMI (i.e. Recording Model Location Data).
	PCHA users please note: PCHA will not import data from fire reports that have failed any of WEMT's validation rules and are thereby flagged as "Incomplete" in the CompletionCode field - even if the incomplete data pertains to fields that are not used by PCHA and therefore are not included in the export file. If your export file includes data from both Complete and Incomplete fire reports, PCHA will reject the records associated with the Incomplete fire reports and generate a report traited "Inport Froms" that lists the rejected records. To ensure these records are used by PCHA, you will have to edit them in WFMI to resolve all validation errors, then create a new expect file to import into PCHA.
	Fire Family Plus users please note: This export format is compatible with Fire Family Plus version 4 beta, which was released in April 2007, or later versions.
	Detailed Documentation
Selection Criteria Pre- defined	None
Selection Criteria User- defined	BLM - Arizona (AZ) - Safford-Tucson Zene (AZ-SAD) (ends 12/31/2014) Fire Cause: Natural, Human and net specified Aff for experist (complete and incomplete) 0101/2000 through 12/31/2014 BLM - Reproper Fire(1) BLM - Reproper Fire(1) but the specified of the specified
Record Count	462

- Scroll to the bottom of the page and follow the download instructions: 'To download and save each of the files on the computer, right-click on the Filename and then select Save link as....'
- Right click on 'PchaFfp' to download and save the file to a location on the computer where it can be found later. The user will upload the historical fire occurrence data into FFP after the fire history data for all the units/agencies has been collected for the planning area.

Select Expo	rt		
To download	l and save each of t	the files o	on your computer, right-click on the Filename and then select Save Target A
Filename	Description	Size	
PchaFfp	Fire Report Data	20 KB	
Zip	Compressed	7 KB	

II. Importing Historical Fire Occurrence Data into FireFamilyPlus

Now that the data has been downloaded and stored, the historical fire occurrence data can now be imported into FireFamilyPlus. First, the USFS fire occurrence data followed by the BLM fire occurrence data will be imported into FFP.

A. USFS Fire Occurrence Data Import into FFP

• Open the previously created FFP database and select 'Data' from the menu items at the top of the page. Next, select 'Import...' and the 'Import Fire and Weather Data' window will appear on the screen:

NFDRS 2016 Rollout Testing - February 2018 - SEZ SIGs Only Begin 2000 wrking Set Definition Station DesertGrass Vears (2004 - 2019) thru December 31 Enable Auxiliary Year Overlays sis Period Length (Days) Fire Associations Fire Associations Force NFDRS/2016 December NMII E SHOF V Metadata: ion10 MII E SHOF Y Timber 2 15:00 16:01 MII E SHOF Y Timber 2 15:00 16:01 MII E SHOF Y Timber 2 15:00 19:00 WMIN Station Catalogs WFM Files NASF CSV WFMI Files NASF CSV WFMI Files Model Station Generic Wx Import Generic Wx Import Generic Wx Import Generic File Import Generic File Impo	Name: C:\Users\Mark\Documents	/ork\NFDRS Fire Planning\SEZ_FFP_Databases\2018Databa	ses\2018Databases_NEW_FDR/		
A RUCKER Y-Timber 2 19 00 Weather Old Fwx Files Agency: FW9/FW13 Files RAW Files NASE CSV Generic Wx Import Generic Fire Import	on: NFDRS 2016 Rollout Testin Vorking Set Definition VStation 3 - DesertGrass ▼ a Years (2004 - 2019) 04 → thru 2019 → Enable Auxiliary Year Overlays Nysis Period Length (Days) ▼ on Metadata: ationID Name VIII F SHOF Y - T	February 2018 - SEZ SIGs Only Begin 2000 Annual Filter (Time of Year) Month Day 1 T December I Fire Associations Force NFDI NFDRS Fuel Model Slope Class Ava Pre bar 2 15 00	Import Fire and Weather D Stations WIMS Station Catalog	Vata	×
	Name 9405 971	NFDRS Fuel Model Slope Class Ave Pre ber 2 15 00 ber 2 15 00 ber 2 19 00	Ci Stations WIMS Station Catalogs Weather Old Fwx Files FW9/FW13 Files Generic Wx Import	S Fires Agency: RAW Files NASF CSV WFMI Fire Import Generic Fire Import	

• Select the proper agency from the 'Agency' drop-down list. For this example, select 'USFS'.

Import Fire and Weather D	ata	×
Stations WIMS Station Catalogs	3	
Weather	Fires	
Old Fwx Files	Agency: USFS	▼
FW9/FW13 Files	RAW Files	NASF CSV
Generic Wx Import	WFMI Fire Import	
	Generic Fire Import	
	Close	

• Next, click on the '**RAW Files**' button and a new File Explorer window will open. Navigate to the location where the USFS fire occurrence download file (.raw) was stored on the computer.

🚺 FireFamily Plus - E	XAMPLE_SEZ_HourlyNFDRS_Beg	gin2003_FFPv5 - Working Set					
File Data Weather F	ires Options Batch Window I	Help					
	9. (K) S (K) (S (K)	1					
EXAMPLE_SEZ_Ho	urlyNFDRS_Begin2003_FFPv5 - '	Working Set					
Database Name: C	Import Fire and Weather Data	XAMPLE_SEZ_Hour	lyNFD				
Description: N	Import Fire and weather Data	^	_				
Active Working Set [Stations	1	_				
SIG/Station	WIMS Station Catalogs						
SIG - BAR LOW	Weather	es					
2006	Old Fwx Files	Agency: USFS 💌					
Enable Au	EW0/EW/13 Elec						
Analysis Period	- FW3/FW13 Files	RAW Files NASE CSV					_
1	Generic Wx Import	Open					×
SIG/Station Metadata		← → ✓ ↑ 👫 < NFDRS Fire Planning > SEZ_FFP_Da	atabases > ExampleFireHistoryFiles > USFS	-CNF_FireHistory	✓ ひ Search U	ISFS-CNF_FireHis	story 🔎
StationID 021007 MU		Organize New folder				I == •	
021205 FMF 021414 RUC			^		-		
		SEZ_FFP_Databases	Name	Date	Туре	Size	
		2012Databases	flnfmas2!0305!1950!201	7 3/6/2019 03:01 PM	RAW File	1,959 KB	
		2013Databases					
		2014Databases					
•		2017D-tabases					Select a file
		2017 Databases					
		2019Databases					
		EvampleEireHiston/Eiles					
		AZ RIM Einekisten					
		A2-DUV_FITEITISTOTY	 ✓ 			>	
		File name: flnfmas2!0305!1950!2017			✓ Fire Record	ord Files (*.raw)	~
					Op	en C	ancel

• The user can either double-click on the file or highlight the filename and select '**Open**'. The file will then automatically import into the FFP database. After the import is complete a new window will appear. If no errors were encountered, click on the '**Close**' button to close the window.

۲ ۲	Import Fire and Weather Data	×	٦X
d E	Stati Import Complete ×	1	
w 20	Import Complete. Wea 0 errors were encountered. 3 new Fire SubUnits were created.	-	
чи: d I			6
ta	Close View Log		
UI MF UC	Close		

- Next, click the 'Close' button at the bottom of the 'Import Fire and Weather Data' window.
- To view the fire occurrence data, you can click on the '**Fire Associations**' button and a new window will appear. Select the applicable agency tab (e.g. USFS); select the applicable

Region (e.g. 03 Southwest (R3)); select the applicable Unit (e.g. 05 Coronado NF); select the applicable Unit(s) (e.g. 01 Douglas RD, 02 Nogales RD, etc.).

Database Name: Description:	HourlyNFDRS_Begin2003_FFF [C:\Users\Mark\Documents\Work\N NFDRS 2016 Rollout Testing - June	V5 - Working Set IFDRS Fire Planning\SEZ_FFP_Databases\2 2018 - Wx Data Begin 2003	018Databases\EXAMPLE_SEZ_HourlyNFD		
Active Working St SIG/Station SIG - B&R Lo Data Years (2 2006 • Enable / Analysis Peric	at Definition w v v v thru 2018 · v Auxiliary Year Overlays id Length (Days)	Annual Filter (Time of Year) Month Day January I Day thru December I J1 Fire Associations Filter	Force NFDRS2016 Recompute		
SIQ/Station Metada	Ita: Name NFDR IJIF SHOF Y - Timber MPIRF Y - Timber IJCKFR Y - Timber	Set Fire Associations for SIG - B& SUSFS BIA BLM NPS FWS N Region(s) O1 Northern Region (R1) O2 Rocky Mountain Region (R2) O3 Southwest Region (R3) O4 Intermountain Region (R4) O5 Pacific Southwest Region (R6) O8 Southern Region (R8) O9 Eastern Region (R9) 10 Alaska Region (R10)	K Low ASF SEZ Unit(s) 01 Apache-Sitgreaves NF 02 Carson NF 03 Cibola NF 04 Coconino NF 05 Coronado NF 06 Gila NF-Sup & Dep 07 Kaibab NF - Sup 08 Lincoln NF 09 Presocti NF 10 Santa Fe NF 10 Santa Fe NF	Sub Unit(s) O1 Douglas RD O2 Nogales RD O4 Saftor RD O5 Santa Catalin O6 Unknown 18 Unknown	D a RD
		<u> </u>	iew Selection View Fires	ОК	Cancel Apply

• The user can click the '**View Fires**' button to review the downloaded fire occurrence data, a new window will appear:

Dase Name: C;	User	Mark\Documents	Work\NFDRS	S Fire Planning\SEZ_FFI	P_Databases\2018Databases\EX	AMPLE_SEZ_H	ourlyNFD										
ription: NF	DRS	2016 Rollout Testi	ng - June 2018	3 - Wx Data Begin 2003			_										
ive Working Set De	finitio																
SIG/Station			Annua	I Filter (Time of Year)													
SIG - B&R Low				Month	Day												
Data Vision (0004		Fires															
Data Tears (2004		90															
2006		Discovery	Acres	Cause	Fire Name	Fire Num	Lat. (Deg)	(min)	(sec)	Lon. (Deg)	(min)	(sec)	Agency	Region	Unit	SubUnit	
🔽 Enable Auxi		01/05/06	0 10	2 Equinment Use	MILEPOST 119	001	32	40	38	-109	46	41 !	ISES	03 Southwest Region (R3)	05 Coronado NE	04 Safford RD	
	1	01/07/06	0.10	4 Camptine	ACUA EDIA	002	11	24	4h 22	-110	18	16	ISES	02 Couthwest Region (R3)	OF Coronado NE	02 Negeles PD	
Analysis Period Le		01/10/06	1.50	4 Campfire	RADIO TOWER	004	31	32	23	-110	24	38	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
1	5	01/14/06	0.10	4 Campfire	SPRING	006	31	25	17	-110	15	17 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	6	01/14/06	0.30	4 Camnfire	AGUA FRIA 2	005	31	24	33	-111	3	16 1	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	1	01/21/06	0 10	4 Camnfire	LOWFR CARR	007	31	26	56	-110	17	1 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
tion Metadata:		s 01/29/06	0 10	4 Camptire	HOPKINS 1	008	31	40	21	-110	56	20 1	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
ationID	1	0 02/11/06	0.10	4 Campfine	MID MILLED	011	21	25	21	110	15	26	ICEC	02 Couthwest Design (D2)	OF Carenada NE	02 Ciarra Vista DD	
	î	1 02/13/06	1 50	4 Campfire	IOSEPHINE	012	31	40	26	-110	51	54	ICEC	03 Southwart Pagion (P3)	05 Coronado NE	02 Nogales PD	
206 EMPI	î	2 02/15/06	3.00	4 Campfire	LADY BUG	013	32	37	24	-109	49	18 1	ISES	03 Southwest Region (R3)	05 Coronado NE	04 Safford RD	
414 BUCH	11	3 02/20/06	0.20	9 Miscellaneous	BROWN	014	31	27	49	-110	17	28 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	1	4 02/25/06	0.10	4 Campfire	DEAD COW	015	31	23	32	-110	41	6 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	1	5 02/26/06	0.10	4 Campfire	SHAW	016	31	30	53	-110	42	12 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	1	6 02/27/06	4 191 00	7 Arson	MONTEZUMA 1	017	31	20	19	-110	25	34 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	1	/ 02/27/06	8 00	2 Equinment Use	LOCHIEL	018	31	20	53	-110	39	59 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	1	8 03/04/06	0 10	9 Miscellaneous	MILE POST 117	019	37	41	35	-109	45	5	ISES	03 Southwest Region (R3)	05 Coronado NE	04 Sattord RD	
		0 03/25/06	270.00	4 Concellaneous	CHRISTEN	020	31	40	8	-110	12	58 1	ICEC	03 Southwest Region (R3)	US Coronado NE	01 Develop DD	
	5	1 04/02/06	\$70.00	4 Campbre	BURRO	022	31	48	49	-109	16	11	ICEC	03 Southwest Region (R3)	05 Coronado NE	01 Douglas RD	
	5	2 04/07/06	1.00	1 Lightning		022	21	20	0	-110	42	27	ICEC	02 Couthwest Design (D2)	OF Coronado NE	02 Cierra Vieta RD	
	5	3 04/07/06	22.00	1 Lightning	ALLIM	024	21	20	24	110	42	44 1	ICEC	02 Couthwest Degion (D2)	OF Coronado NE	02 Cierra Vieta DD	
	2	4 04/09/06	0.00	4 Campfire	GRAHAM	025	31	29	24	-110	43	44 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	2	5 04/22/06	0.30	9 Miscellaneous	MILEPOST 6	026	32	16	0	-110	38	28 1	ISES	03 Southwest Region (R3)	05 Coronado NE	05 Santa Catalina RD	
	2	6 05/02/06	0.10	4 Campfire	CARR 0502	027	31	26	56	-110	17	1 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	2	7 05/03/06	171.00	4 Camnfire	BLACK MASA	028	31	25	53	-111	16	52 I	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	2	8 05/06/06	0.00	9 Miscellaneous	RICOCHET	029	32	16	0	-110	38	28 I	ISES	03 Southwest Region (R3)	05 Coronado NE	05 Santa Catalina RD	
	-2	9 05/07/06	0.10	4 Camnfire	CARR 0507	031	31	26	56	-110	17	1 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
		0 05/13/06	1 00	9 Miscellaneous	DOMESTIC (IN MEXICO)	032	31	19	46	-110	18	53 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
		2 05/18/06	0.10	1 Lightning	CONTUN	024	32	40	25	-110	10	78 1	ICEC	03 Contributed Region (R3)	OF Coronado NE	04 Cafford RD	
	1	3 05/10/06	2.00	1 Lightning	DACOREDDV DEAV	026	21	40	17	-100	17	20	ICEC	02 Couthwest Pagion (D2)	OF Coronado NE	01 Develas PD	
	3	4 05/20/06	117.00	1 Lightning	NORTH TAYLOR	035	32	43	53	-109	59	53 1	ISES	03 Southwest Region (P3)	05 Coronado NE	04 Safford PD	
	3	5 05/21/06	0.10	4 Campfire	DADKED	038	31	25	48	-110	25	51 I	ISES	03 Southwest Region (P3)	05 Coronado NE	03 Sierra Vieta PD	
	3	6 05/21/06	880.00	1 Lightning	ROMERO	037	32	25	30	-110	54	31 1	ISES	03 Southwest Region (R3)	05 Coronado NE	05 Santa Catalina RD	
	3	7 05/27/06	10.40	4 Campfire	CLARK	039	31	25	6	-111	4	18 I	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	3	8 05/27/06	1 634 00	4 Camnfire	103	040	31	21	4	-110	18	48 1	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	3	9 05/31/06	0.20	4 Camnfire	SITE 12	042	31	25	40	-110	27	9 I	ISES	03 Southwest Region (R3)	05 Coronado NE	03 Sierra Vista RD	
	4	0 06/01/06	26.00	4 Camnfire	LOBO	041	31	20	54	-111	3	3 1	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	4	1 06/02/06	3 50	1 Lightning	FAGAN	043	31	54	4	-110	43	5 1	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	4	2 06/02/06	1.50	1 Lightning	POWERTINE	044	31	46	35	-110	44	16	ISES	03 Southwest Region (R3)	05 Coronado NE	02 Nonales RD	
	4	4 0C/02/06	110.00	1 Lightning	/ TRALK	046	51	20	59	-110	14	40 1	ISES .	03 Couthwest Region (R3)	US Coronado NE	02 Neerlas BD	
	4	5 06/04/06	0.10	1 Lightoing	RDIICUV	047	21	46	20	-100	20	2	ICEC	02 Couthwart Region (P2)	OF Coronado NE	01 Douglas RD	
	4	6 06/05/06	6.00	1 Lightoing	RODIE	049	21	25	E1	-110	20	6 I	ICEC	02 Couthwest Region (R3)	OF Coronado NE	02 Ciorra Vieta PD	
	4	7 06/06/06	0.10	4 Campfire	MESA	049	31	21	41	-110	19	53	ISES	03 Southwest Region (P3)	05 Coronado NE	03 Sierra Vieta PD	
	4	8 06/06/06	2.50	1 Lightning	ASH	051	32	44	7	-109	53	13	ISES	03 Southwest Region (P3)	05 Coronado NE	04 Safford PD	
		0	0.00	4.12.14.2		050	22	2.2						A CONTRACT OF A			

B. DOI Fire Occurrence Data Import into FFP

• The same process is used to import DOI fire occurrence data into FFP. Select 'Data' from the menu items at the top of the page. Next, select 'Import...' and the 'Import Fire and Weather Data' window will appear on the screen.

• Select the proper agency from the '**Agency**' drop-down list. For this part of the exercise the user will select 'DOI Agencies'.

Import Fire and Weather Da	ita X
Stations WIMS Station Catalogs	
Weather	Fires
Old Fwx Files	Agency: DOI Agencies
FW9/FW13 Files	RAW Files NASF CSV
Generic Wx Import	WFMI Fire Import
	Generic Fire Import
	Close

• Next, click on the '**WFMI Fire Import**' button and a new File Explorer window will open. Navigate to the location where the BLM fire occurrence download file (.txt) was stored on the computer. Either double-click on the file name or click the '**Open**' button.

FireFamily Plus - EXAMPLE_SEZ_HourlyNFDRS_Begin2003_FFPv5 - Working Se File Data Weather Fires Options Batch Window Help	et				
LE SEE STANDER AND AN DE CER PR ?					
Database Name: C:Users\MarkIDocuments\WorkINFDRS Fire Planning\SEZ FFP_Database	es\2018Databases\EXAMPLE_SEZ_HourlyNFD				
Description: NFDRS 2016 Rollout Testing - June 2018 - Wx Data Begin 2003					
Active Working Set Definition SIG(Station Data Years (2004 - 2018) 2006 - 2014 Trenable Auxiliary Ye Analysis Period Length (SIG(Station Metadata: SIG(Station Metadata: SIG(S	cies ▼ Open ← → ↓ ↑ ♪ - SEZ_FFP_Database Organize - New folder	s > ExampleFireHistoryFiles > AZ-BLM_FireHistory	v [ð] Searc	h AZ-BLM_FireHisto	× ny P I 2
Close	 SEZ_FFP_Databases 2012Databases 2013Databases 2014Databases 2014Databases 2016Databases 2017Databases 2017Databases 2018Databases 2018Databases ExampleFireHistoryFiles AZ-BLM_FireHistory USFS-CNF_FireHistory File name: [413558.PC 	Name d13558_PchaFfp < <	Date modified 3/6/2019 03:00 PM	Type Text Document	Expor ^ t Nam e PCH A/Fir eFami]y Plus versi on 2.0 Creat ion 2.0 Date 03/06 /2019 10:08 Selec tion *
				Open C	ancel .:i

• A new window will appear. Select the '**Fire Types to Import**', remember earlier when the BLM fire occurrence data was downloaded, we selected 1-1 and 1-5 fire types. Click the boxes next to the applicable fire types. Next, click '**OK**'.

Stations WIMS Station Catalo	Data gs		
Weather	Fires		
Old Fwx Files	Agency: DOI Agen	ncies 💌 pute	
FW9/FW13 Files	RAW Files	NASF CSV	
Generic Wx Import	WFMI Fire Import	Select Fire Types To Import	×
	Generic Fire Import	11 - Agency Land / Agency Suppression	ок
		 12 - Agency Land / Other Federal Suppression 13 - Agency Land / Non-Federal Suppression 	Cancel
	Close	🔲 14 - Agency Land / Confine or Contain	
		I5 - Other Land / Agency Suppression / Threat to Agency If a Structure of the str	Select All
		16 - Other Land / Agency Suppression - Agreement 19 - Agency Land / Appropriate Management Response	Clear All
		21 - Agency Land / Natural Out / Agency Protection	
		22 - Agency Land / Natural Out / Other Federal Protection	
		23 - Agency Land / Natural Out / Non-Federal Protection	
		25 - Other Land / Natural Out / Threat to Agency	
		26 - Other Land / Natural Out / Agreement	
		37 - Other Land / Agency Assist	
		48 - Prescribed Burn / Within Prescription	
		49 - Prescribed Natural / Within Prescription	

- After the data has been imported a new window will appear stating the import is complete. Click '**Close**'. Be sure to check if errors were encountered. These can be viewed by clicking on '**View Log**'. Next, close the 'Import Fire and Weather Data' window.
- As presented before, to view the fire occurrence data the user can click on the 'Fire Associations' button (or click on 'Fires' => 'Associations' from the menu bar) and a new window will appear. Select the applicable agency tab (e.g. BLM); select the applicable Region (e.g. Arizona State Office); select the applicable Unit (e.g. Safford-Tucson Zone (AZSAD). If any other 'Regions' have been previously selected under the other tabs (i.e. BIA, NPS, FWS) and associated with any fires, the user will need to uncheck those selections if they only wish to view BLM fires.

I	Set Fire Associations for SIG - E	3&R Low	×]
202	USFS BIA BLM NPS FWS Region(s) Alaska State Office Arizona State Office California State Office Colorado State Office Eastern States BLM Idaho State Office Montana State Office Nevada State Office New Mexico State Office North Dakota State Office Oregon State Office	NASF SEZ Unit(s) Arizona Strip Field Office (AZASD) Azntc National Training Center, Mara Colorda River District (AZCRD) Phoenix-Kingman Zone (AZPHD) Safford-Tucson Zone (AZPHD) Safford-Tucson Zone (AZSAD) Yuma-Lake Havasu Zone (AZYUD)	Sub Unit(s)	
		iew Selection View Fires	OK Cancel Apply	

• Click on the 'View Fires' button and a new window will appear that displays the fire occurrence data for the unit(s) selected.

ase Name:	C:\Users\Ma	rk\Documents\Work	NFDRS Fire Pl	anning\SEZ_FFP_Datal	pases\2018Databases	EXAMPLE_SE	Z_HourlyNFD										
iption:	NFDRS 2016	Rollout Testing - Ju	ne 2018 - Wx D	ata Begin 2003													
in Working C	et Definition																
e working 5	Set Definition		Annual Filter (Time of Year)													
SIG/Station	ow.	-	Mo	nth Da	y												
Sid - Dan Li	.0w	<u>.</u>	lanuan	- 1	•												
Data Years (2	2004 - 2018)	Fires															
2006 +	thru	. # 1															
Fnable	Auxiliary Yea	Discovery	Acres	Cause	Fire Name	Fire Num	Lat. (Deg)	(min)	(sec)	Lon. (Deg)	(min)	sec)	Agency	Region	Unit	SubUnit	
1		1 01/09/06	0 10	9 Miscellaneous	ROCK	515192	31	37	34	-110	10 2	2	BIM	Arizona State Office	Safford-Tucson Zone		
nalysis Peri	iod Length (D	2 04/14/05	0.10	4 Camptire	Enzenhera Materi Hanna	518323	11	44	4/	-110	35 7		RIM	Arizona State Office	Sattord-Lucson Zone		
1	-	4 05/10/06	0.10	 A Equinment Use Missellaneous 	Corritor Home	E10604	22	10	22	111	21 1		DI M	Arizona State Office	Cofford Tusson Zono		
	· ·	5 05/20/06	80.00	1 Lightning	Support	520301	33	0	42	-100	14 2		BIM	Arizona State Office	Safford-Tuccon Zono		
		6 05/22/06	2.00	2 Equipment Lice	Maroga	520305	32	52	53	-110	23 3		BLM	Arizona State Office	Safford-Tuccon Zone		
ion Materi	44444	7 05/29/06	0.10	4 Campfire	Palominas	520681	31	22	0	-110	6 2		BLM	Arizona State Office	Safford-Tucson Zone		
tion Metad	Jata:	8 06/02/06	2.00	1 Lightning	Turtle	520747	33	0	27	-109	22 3)	BLM	Arizona State Office	Safford-Tucson Zone		
ationID	Nam	9 06/05/06	337.00	1 Lightning	Midnight	520975	33	1	37	-109	32 2)	BLM	Arizona State Office	Safford-Tucson Zone		
07 1	MULE SHOE	10 06/05/06	100.00	1 Lightning	Smith	521118	33	3	5	-109	28 3		BI M	Arizona State Office	Safford-Tucson Zone		
05 E	EMPIRE	11 06/06/06	0.10	1 Lightning	Pinyon	520988	31	28	6	-109	56 3	•	BLM	Arizona State Office	Safford-Tucson Zone		
14 F	RUCKER	12 06/06/06	1.00	1 Lightning	Red Mountain	520986	31	25	51	-109	52 2		BI M	Arizona State Office	Safford-Tucson Zone		
		13 06/06/06	0.30	1 Lightning	Ouillian	520972	32	8	40	-109	27 2		BI M	Arizona State Office	Safford-Tucson Zone		
		14 06/07/06	1 50	1 Lightning	Yellowstone	520973	32	51	33	-109	22 1		BI M	Arizona State Office	Safford-Tucson Zone		
		15 06/08/06	0 10	9 Miscellaneous	Highway	520968	32	17	26	-109	19 1		RIM	Arizona State Office	Safford-Tucson Zone		
		16 06/08/06	130.00	1 Lightning	Klondvke SAD	521524	32	49	35	-110	30 5	,	BI M	Arizona State Office	Safford-Tucson Zone		
		1/ 06/13/06	0.50	9 Miscellaneous	Riverview	521468	32	52	58	-109	28 4		BIM	Arizona State Office	Safford-Tucson Zone		
		18 06/15/06	10.00	9 Miscellaneous	Cohra	521464	32	52	11	-110	77 4		BIM	Arizona State Office	Sattord-Tucson Zone		
		19 06/16/06	0 10	9 Miscellaneous	Bridge	521462	31	26	19	-110	6 1		BIM	Arizona State Office	Sattord-Lucson Zone		
		20 06/16/06	2.00	9 Miscellaneous	San Pedro SAD	5/1460	11	12	12	-110	10 1		BIM	Arizona State Office	Sattord-Lucson Zone		
		22 06/20/06	20.00	2 Edulinment Lise	Shoar	5/1684	32	45	1	-109	F2 4		DIM	Arizona State Office	Sattord-Hicson Zone		
		23 06/20/06	0.10	1 Linksing	Cuthais Deals	522604	22	F2	14	100	10 4		DI M	Arizona State Office	Sattord-Tucson Zone		
		24 07/15/06	11.00	1 Lightning	Dismond	574664	22	10	24	-110	0 0		DIM	Anizona State Office	Safford Tueson Zono		
		25 07/22/06	0.10	4 Compfing	907 Eiro	525331	31	40	53	-110	35 1		RIM	Arizona State Office	Safford-Tuccon Zono		
		26 07/23/06	0.10	1 Lightning	Last Nights	525335	31	37	33	-110	10 2	-	BIM	Arizona State Office	Safford-Tucson Zone		
		27 08/26/06	0.10	1 Lightning	Fence Post	528944	31	37	43	-110	10 2	,	BLM	Arizona State Office	Safford-Tucson Zone		
		28 10/21/06	0.30	1 Lightning	Sonoita	535872	31	41	42	-110	35 4	,	BLM	Arizona State Office	Safford-Tucson Zone		
		29 11/30/06	0.10	9 Miscellaneous	61	537436	31	43	25	-110	11 4		BLM	Arizona State Office	Safford-Tucson Zone		
		30 12/16/06	1 565 00	3 Smoking	Curly Horse	537963	31	40	0	-110	37 2		BLM	Arizona State Office	Safford-Tucson Zone		
		31 02/20/07	0.10	9 Miscellaneous	Riverside	538933	31	46	39	-110	36 3		BI M	Arizona State Office	Safford-Tucson Zone		
		32 03/06/07	0.10	9 Miscellaneous	Tie	539066	31	41	45	-110	10 4	1	BI M	Arizona State Office	Safford-Tucson Zone		
		33 03/07/07	0.10	9 Miscellaneous	Post	539067	31	37	33	-110	10 2		BI M	Arizona State Office	Safford-Tucson Zone		
		34 03/07/07	0 10	9 Miscellaneous	RG	539069	31	33	12	-110	8 9		BLM	Arizona State Office	Safford-Tucson Zone		
		35 03/09/07	0.10	9 Miscellaneous	MP357	539051	32	45	58	-109	27 2		RIM	Arizona State Office	Safford-Tucson Zone		
		36 04/07/07	0.10	9 Miscellaneous	Pedro	539676	31	33	10	-110	8 9		BLM	Arizona State Office	Safford-Tucson Zone		
		3/ 04/22/07	0.10	9 Miscellaneous	Well	539977	32	31	18	-109	26 0		BIM	Arizona State Office	Safford-Tucson Zone		
		38 04/28/07	0.20	1 Lightning	Empire Mtn	540080	31	51	55	-110	38 2		BLM	Arizona State Office	Safford-Tucson Zone		
		39 05/13/07	0.20	1 Lightning	Circle Lank	540466	17	48	53	-109	15 3	1	BIM	Arizona State Office	Sattord-Lucson Zone		
		41 06/03/07	25 (8)	Lightning	Black Knoh	541187	51	13	15	-109	48 5	`	BIM	Arizona State Office	Sattord-Lucson Zone		
		42 07/07/07	268 00	1 Linhtning	Curly Horse	547444	31	2	44	-110	42 7		DI M	Arizona State Office	Sattord-Lucson /one		
		42 07/05/07	5 00	Lightning	Lopper	545951	22	20	2	-110	*1 1		DIM	Arizona State Uffice	Sattord-Tucson Zone		
		44 07/07/07	E 000 00	1 Lightning	Alambas	543240	21	54	20	-110	25 2		DIM	Arizona State Office	Sattord-Lucson /one		
		45 07/11/07	2 00	1 Lightning	Helustia	E42077	21	52	7	110	46 2		PI M	Arizona State Office	Samoro-Turson Zone		
		46 07/12/07	0.10	1 Liebteine	Chart Taur	E4202E	21	AC	44	100	40 5		DIM	Automa State Uffice	Cafford Turson Zone		
		47 07/16/07	1.00	1 Lightning	Langeage	EAAGE1	21	20	27	100	FE 2		RIM	Arizona State Office	Safford Turson Zono		
		1/10/07	1000	inanthina	unesome	34400 I	24		27	110			DI M	Auroina State Uffice	C (() T 7		
		48 00/10/07															

III. Defining the Active Working Set

If this is the first time the fire occurrence data was imported into the database, the fires need to be associated with each RAWS or SIG listed in the FFP database. This association allows the user to analyze/evaluate the historical fire weather and fire occurrence data together.

Think of the "working set" as a filter of the active database. The user may not be interested in all of the weather or fire data in a database. By filtering the database, the user can choose the data that pertains only to the specific fire danger analysis needs. For example, the user may choose to analyze the potential for the fall fire season or be interested in determining the window for the spring prescribed fire season. For these examples and in most analyses in FireFamilyPlus, the user needs to carefully consider how to define the Active Working Set.

Setting fire associations will allow the user to define which fires are associated with the weather station or stations (SIG) in the working set. The user can also perform an analysis on multiple agencies by blending fires from each agency.

All FireFamilyPlus outputs directly relate to the configuration of the working set. Therefore, each of the required elements in the working set need to accurately reflect the data requirements. Problems with output are usually caused by an incorrect working set.

A. Define the Active Working Set

 In the 'SIG/Station' box, the user will select the Station ID or Special Interest Group (SIG) of their choice. In the following example, SIG – B&R Low, representing a Fire Danger Rating Area (FDRA) is selected, as seen in the SIG/Station menu window.

EXAMPLE_SEZ	_HourlyNFDRS_B	egin2003_FFPv5 - Working Set						×
Database Name:	C:\Users\Mark\Do	HourlyNFD						
Description:								
Active Working St SIG/Station SIG - B&R Lo Data Years (2 2006 • • V Enable Analysis Perio	et Definition 2004 - 2018) thru 2018 Auxiliary Year Overla 2018 Auxiliary Year Overla 2018	Annual Filter (Time of Month January December	Year) ▼ Day thru 1 31 [Force NFDRS20	16 Recompute			
StationID	Name	NFDRS Fuel Model	Slope Class	Avg Precip	Herb Annual	Latitude	Max SC	Humi
021007 N	ULE SHOE	Y - Timber	2	15 00		32 40	5	
021205 F		Y - Limber Y - Timber	2	15.00		31 78	5	

- The user can change the remaining Active Working Set Definition fields as needed. Using the scroll buttons on the 'Data Years' selection allows the user to select the years of interest available with a particular SIG or station. The 'Annual Filter' allows the user to select the time of year (month and days) to include in the analysis. The 'Analysis Period Length (Days)' controls the number of days used to define the data grouping.
- Finally, the '**Fire Associations**' button (or click on 'Fires' => 'Associations' from the menu bar) allows the user to select the fires that will be associated with the SIG or weather station's data.
- In the example shown above, the following inputs have been selected:
 - Special Interest Group (SIG) B&R Low.
 - Data years 2006 through 2018.
 - Annual Filter (time of year to analyze) January 1 through December 31.
 - Analysis Period Length (number of days averaged into analysis) 1.
 - SIG/Station Metadata (edit site data or change fuel model). The example shows the three stations that are included in the SIG.

This concludes how to download historical fire data using the FAMWEB and/or WFMI web sites and how to import this data into a FireFamilyPlus database for analysis.