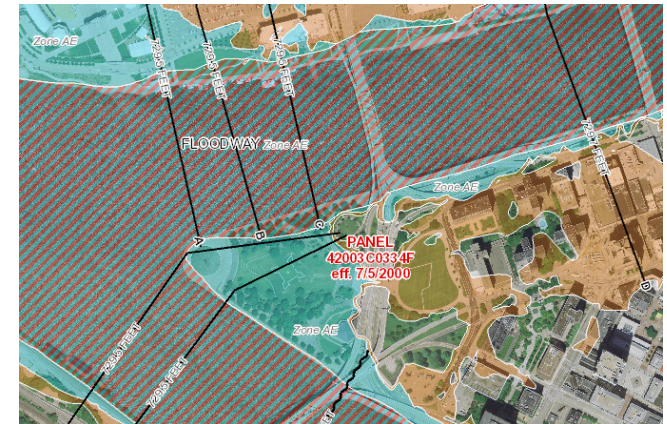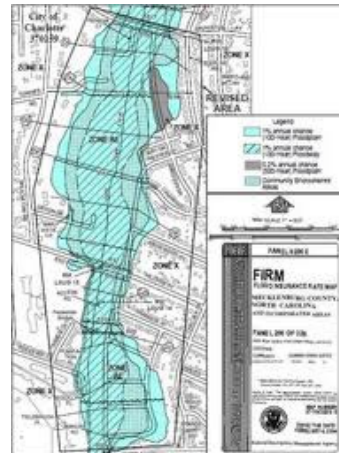# New MSC Features
and Future Enhancements

MAFSM Presentation
October 15, 2015

Introductions

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MSC 3.0 Overview

In July 2014, FEMA launched a newly re-architected
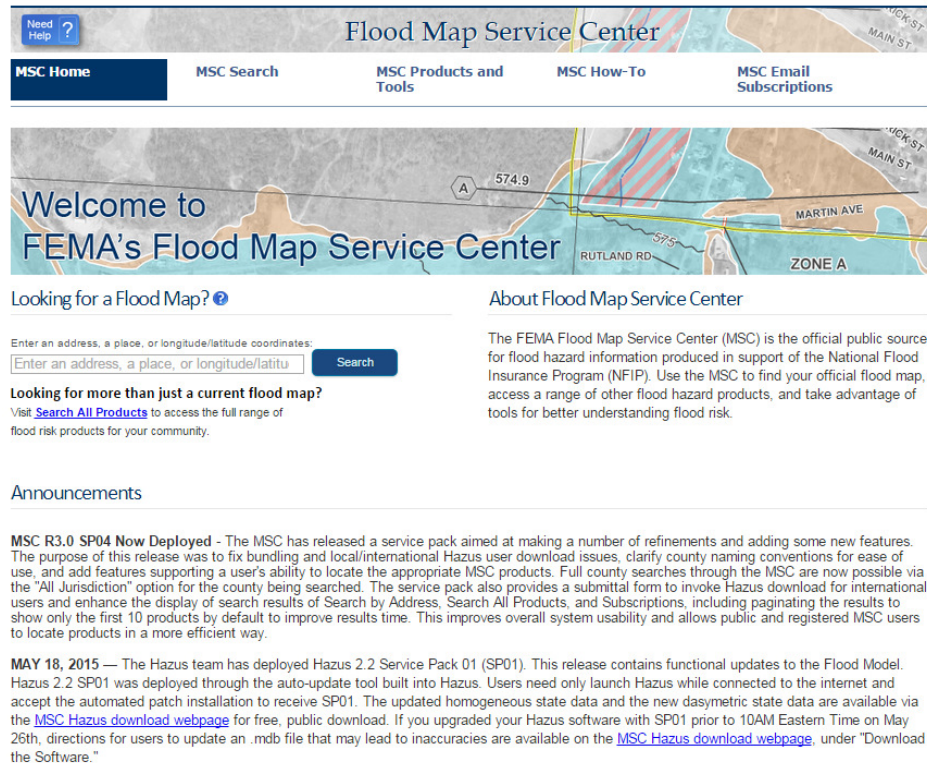Flood Map Service Center (MSC) website
msc.fema.gov

Key Enhancements:

- View and download all products… for free!
- Automated notifications of new products
- All-in-one search results for effective products
- Direct file downloads from search results
- Simplified navigation
- Quick, intuitive access to products
- Enhanced supporting information

Five service packs deployed since initial deployment

MSC 3.0 Overview – Home Page

- **Clutter-free homepage, ideal for quick-access to a community's flood map**

- **Active announcements**
  - Maintenance windows
  - New site enhancements
  - Other important messages

- **Intuitive navigation**
  - Search All Products
  - Products and Tools
  - How-to
  - Email Subscriptions

MSC 3.0 Overview – *Address Search*

- ## **Address Search**

  - Find the effective FIRM panel and all LOMC for the FIRM panel with one address search

  - Download products directly from the search results

  - Direct link to FEMA's National Flood Hazard Layer (NFHL) on the GeoPlatform (where available)

- ## **"Show All Products"**

  - Opens pre-populated Search All Products page

MSC 3.0 Overview – *Search All Products*

- **Advanced search for products by:**
  - Jurisdiction (drill-down options), jurisdiction name or FEMA ID, or Product ID
  - Results include Effective, Pending, Historic, Preliminary Products as well as Flood Risk Products

- **All products are available for direct download**

- **Collapsible menus allow selective view of details**

- **Subscribe option**

MSC 3.0 Overview – *Email Subscriptions*

- **Free email subscription service**
  - Alerts subscribers when new products matching their provided parameters become available
  - Subscribe to multiple areas from the same account
  - Download products directly from your subscription account
  - View products posted in the last 45 days

- **Business process changes**
  - Prior paid subscription services are discontinued
  - DVDs no longer available to subscribers, only to local officials

MSC 3.0 Overview – HTTP Direct Download

- **All products can be downloaded without going to the MSC website**
  - Standard web address for each product type
  - Product IDs are URL suffixes
  - PDF Fact Sheet on FEMA.gov

- **Connect to MSC products from your own maps!**
  - Use the direct URL from your website map features, e.g. Preliminary maps on the MSC downloaded from a county website's map index

MSC 3.0 Service Pack 4 Highlights

- **MSC SP04 deployed on May 16, 2015**
  - Allows for full county searches
    - Returns products for all communities within a county FIPS code
  - Clarifies text descriptions of full county and county unincorporated areas
  - Clarifies *Search All Products* option on MSC home page
  - Adds free text search to *Product Availability* Page
  - Improves clarity of "Help" options
  - Fixes bugs associated with bundling and email notification urls
  - Improves visibility of NFHL and "All Products" options on *Address Search* Page

Need Help ?   Logout

Flood Map Service Center

MSC Home | MSC Search | **MSC Products and Tools** | MSC How-To | MSC Email Subscriptions

Product Availability

Search the catalog below for the **last 12 months of updates** to FEMA's flood maps and accompanying products. Visit the Products And Tools webpage for more information about each type of product.

Features of the Product Availability catalog:

- Select the tabs at the top to view the availability of different products types.
- Sort the product list by selecting the column headers.
- Click the "?" icons for more information about each field.
- Find new product listings here, which are organized by MSC posting Date by default. The catalog is updated daily.

To download a product, click the hyperlinked FEMA Community Identification Number (CID), which for countywide study projects may be the county Federal Information Processing Standards (FIPS) code with the letter "C" added at the end. You will be redirected to the Search All Products portal, where the search results for that CID will be displayed, and you will be able to download the desired product.

Final Regulatory Products ?

| Final Regulatory Products | Preliminary Regulatory Products |

Search:

Community ID ?	Community Name	State	Effective Date ?	# of FIRM Panels ?	MSC Posting Date ?	NTU ?
300078	STILLWATER COUNTY UNINCORPORATED AREAS	MT	10/16/2015	78	05/29/2015	N
06031C	KINGS COUNTY ALL JURISDICTIONS	CA	09/16/2015	11	05/28/2015	N
38059C	MORTON COUNTY ALL JURISDICTIONS	ND	10/16/2015	21	05/28/2015	N
44003C	KENT COUNTY ALL JURISDICTIONS	RI	10/02/2015	22	05/28/2015	N
44007C	PROVIDENCE COUNTY ALL JURISDICTIONS	RI	10/02/2015	39	05/28/2015	N
19057C	DES MOINES COUNTY ALL JURISDICTIONS	IA	10/16/2015	14	05/27/2015	N
420757	PHILADELPHIA, CITY OF	PA	11/18/2015	21	05/27/2015	N
55023C	CRAWFORD COUNTY ALL JURISDICTIONS	WI	10/16/2015	81	05/22/2015	N
06013C	CONTRA COSTA COUNTY ALL JURISDICTIONS	CA	09/30/2015	53	05/21/2015	N
42059C	GREENE COUNTY ALL JURISDICTIONS	PA	10/16/2015	83	05/21/2015	N
38097C	TRAILL COUNTY ALL JURISDICTIONS	ND	10/16/2015	21	05/19/2015	N
19115C	LOUISA COUNTY ALL JURISDICTIONS	IA	10/16/2015	7	05/15/2015	N
55131C	WASHINGTON COUNTY ALL JURISDICTIONS	WI	10/16/2015	54	05/15/2015	N
18127C	PORTER COUNTY ALL JURISDICTIONS	IN	09/30/2015	58	05/14/2015	N
21115C	JOHNSON COUNTY ALL JURISDICTIONS	KY	09/16/2015	32	05/14/2015	N
27067C	KANDIYOHI COUNTY ALL JURISDICTIONS	MN	09/30/2015	16	05/13/2015	N
31107C	KNOX COUNTY ALL JURISDICTIONS	NE	10/02/2015	5	05/13/2015	N

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MSC 3.0 Service Pack 5 Highlights

- **MSC SP05 deployed on September 19, 2015**
    - Use FEMA's Community Layer to generate community information for the "Show All Products" option in Address Search
    - Expands Search All Products default results to 100 products per page
    - Introduced new validation components for geography data
    - Employed new security steps for Hazus downloads

Accessing the NFHL – From *Address Search*

- **Quick link from completed Address Search to NFHL on Geoplatform**

- **Geoplatform – ArcGIS Online based GIS viewer**

- **Uses USGS base map that conforms to FEMA's specification for horizontal accuracy**

Accessing the NFHL – FEMA Geoplatform

Accessing the NFHL – Layers on Geoplatform

Accessing the NFHL – Layers on Geoplatform

Accessing the NFHL – Direct to Geoplatform
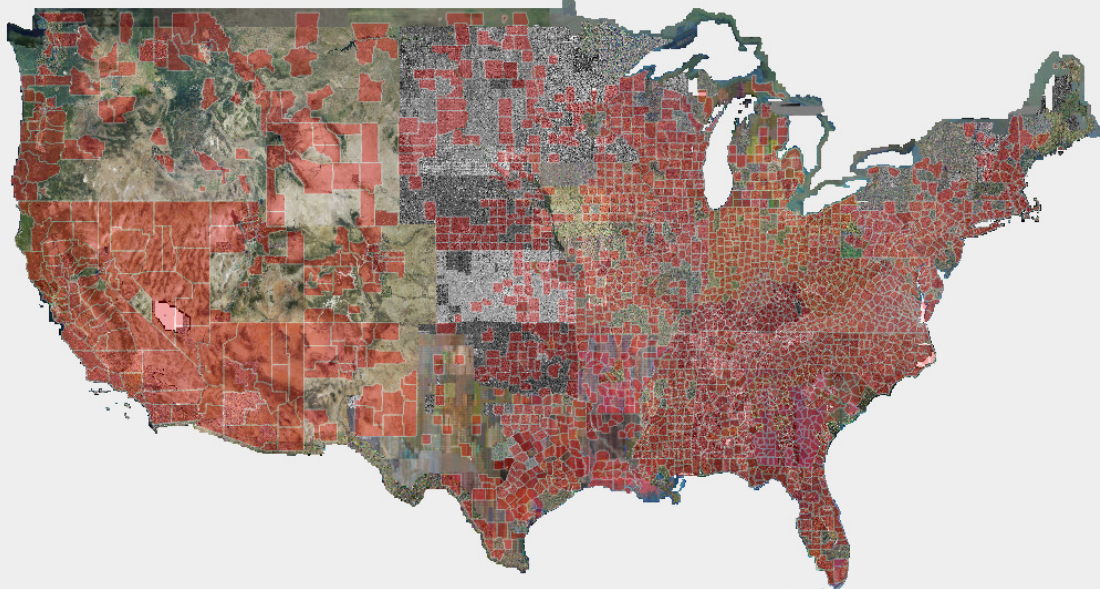
Accessing the NFHL - NFHL Status Page

- **Check the status of the NFHL services**

- **Download NFHL extracts from the MSC**

- **Filter and sort to find newly posted extracts, or geographic areas of interest**

Notice - New versions (V3.0.1) of the Keyhole Markup Language (.kmz) files for viewing the FEMA Stay Dry and National Flood Hazard Layer (NFHL) overlays in Google Earth have been released. Users of the previous versions should upgrade to the new version. Below are direct links to download the newest kmz versions:

- Stay Dry v3.0.1 kmz
- FEMA NFHL v3.0.1 kmz

Visit the Using the National Flood Hazard Layer Web Map Service (WMS) in Google Earth page for instructions on how to view the overlays in Google Earth using the new kmz files.

Alerts

Description	Estimated Time to Resolution	Last Updated (ET)
The system is fully functional.	NA	NA

NFHL Inventory Table

Show 10 entries   Search:

Item ID	County/Community	State	Update Date	Size	Download
01001C-NFHL	AUTAUGA COUNTY	ALABAMA	09/24/2014	95MB	
01003C-NFHL	BALDWIN COUNTY	ALABAMA	02/23/2015	48MB	
01005C-NFHL	BARBOUR COUNTY	ALABAMA	08/18/2009	7MB	
01007C-NFHL	BIBB COUNTY	ALABAMA	08/18/2009	21MB	
01009C-NFHL	BLOUNT COUNTY	ALABAMA	08/03/2009	7MB	
01011C-NFHL	BULLOCK COUNTY	ALABAMA	09/11/2009	5MB	
01013C-NFHL	BUTLER COUNTY	ALABAMA	09/11/2009	5MB	
01015C-NFHL	CALHOUN COUNTY	ALABAMA	02/28/2011	7MB	
01017C-NFHL	CHAMBERS COUNTY	ALABAMA	02/18/2011	13MB	
01019C-NFHL	CHEROKEE COUNTY	ALABAMA	01/19/2011	71MB	

Showing 1 to 10 of 2,273 entries

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Accessing the NFHL - MSC Subscriptions

- **Create a profile with just email address and password**

- **Subscribe for notifications when the NFHL is updated in your area**

- **Select your preferred email frequency**

Email Subscriptions

Welcome, *daniel.horner@associates.fema.dhs.gov*.

Manage Email Subscriptions | Edit Profile   Recently Posted Subscribed Products

Email Frequency

I want to receive emails for all subscriptions: ○ Monthly ○ Weekly ● Daily

[Save]

Create New Email Subscription

[Create]

CREATE EMAIL SUBSCRIPTION

Select the location for which you would like to receive notifications when new products are posted to the MSC. Once you have made your choices, select "Save Email Subscription." You may subscribe to one or more types of products associated with a specific Community, County, State, or entire FEMA Region. You may create multiple subscriptions.

I want to receive email subscriptions for:

State	SOUTH CAROLINA ▼
County	LANCASTER COUNTY ▼
Community	--Select-- ▼

- OR -

Region	-- Select -- ▼

I want to receive the following products:

- ☐ Final Regulatory Products
- ☐ Pending FIRM Panels
- ☐ Pending FIS Reports
- ☐ Pending FIRM Database
- ☑ NFHL Data
- ☐ LOMC
- ☐ LOMR
- ☐ LOMA
- ☐ Revalidations
- ☐ Preliminary Regulatory Products
- ☐ Flood Risk Products

[Save Email Subscription] [Cancel]

FEMA

Accessing the NFHL - MSC Subscriptions

- **Download State or County extracts from your custom subscription**

Accessing the NFHL - Other Access Methods

- **Google Earth**

- **Representative State Transfer Service (REST)**

- **Web Feature Service (WFS)**

- **Web Map Service (WMS)**

- **Detailed information is available in the FEMA online document library at http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/national-flood-hazard-layer-nfhl**

- **Or just Google "FEMA NFHL"**

What's Next?

- **Updating the MSC to use the new FEMA.gov style sheets**

- **Actively working with FEMA to develop and deploy a NFHL "FIRMette" capability**

- **Subscription notification enhancements**

- **Evolution of Flood Risk Products data hosting**

- **What do you need to better communicate flood risk to your stakeholders or industry colleagues?**

QUESTIONS?

Thank You for Attending!

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