

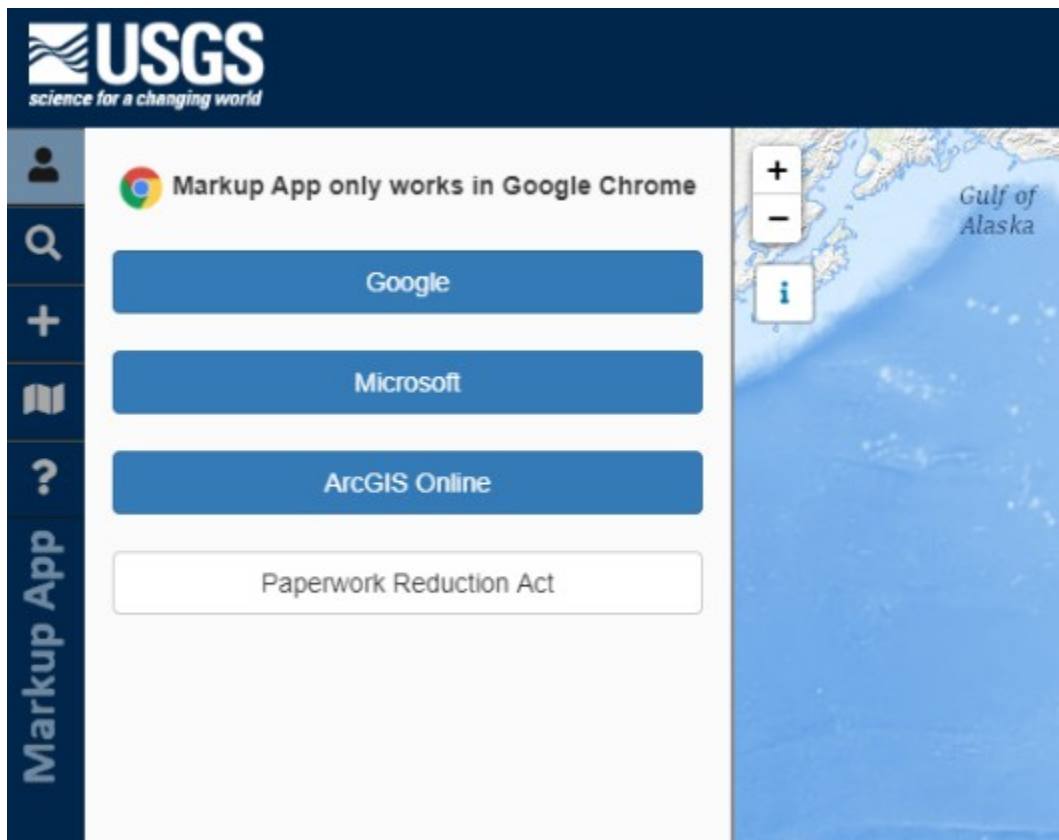
# Markup Application User Experience Forms

11/21/2019

First users have to choose which existing account type they want to login with. Then they have to provide credentials for the selected account to authenticate the access into the Markup Application. Once they are logged in, only the email address associated with the chosen account gets captured in the Markup App. Once logged in, users are able to create and submit markups.

Step 1: User chooses to sign in with his/her existing Google, ArcGIS Online, or Microsoft account credentials.

Here the user can click on the Paperwork Reduction Act button to view the relevant information.



PAPERWORK REDUCTION ACT STATEMENT:

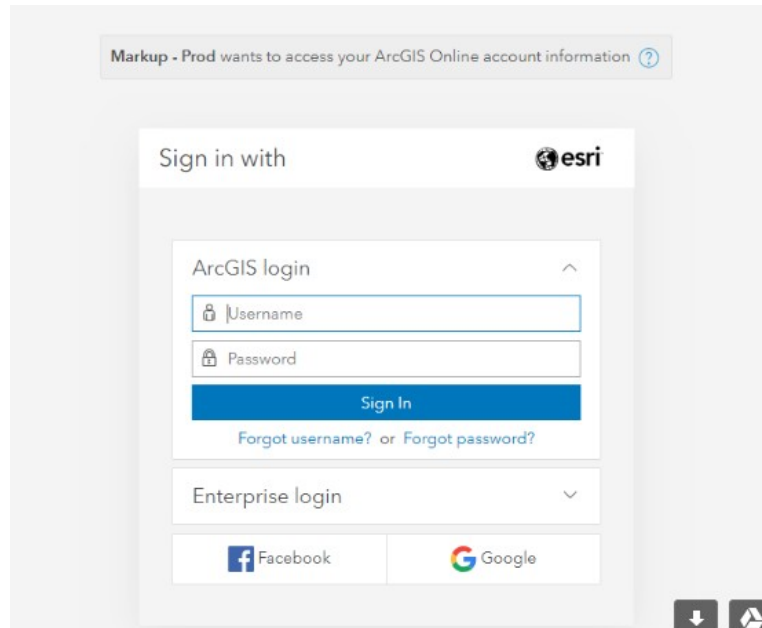
The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et. seq.) requires us to inform you that this information is being collected to supplement instrumental data. The information will be used by the U.S. Geological Survey to better serve the public. Response to this request is voluntary. Public burden for the collection of this information is estimated to average 3 minutes per response. A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number.

Comments regarding this collection of information should be directed to the Bureau Clearance Officer, U.S. Geological Survey, gs-info\_collections@usgs.gov. OMB NO. 1028-New Expiration Date: XXX

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OK

Step 2: User fills out the credentials for either the account chosen in step 1.

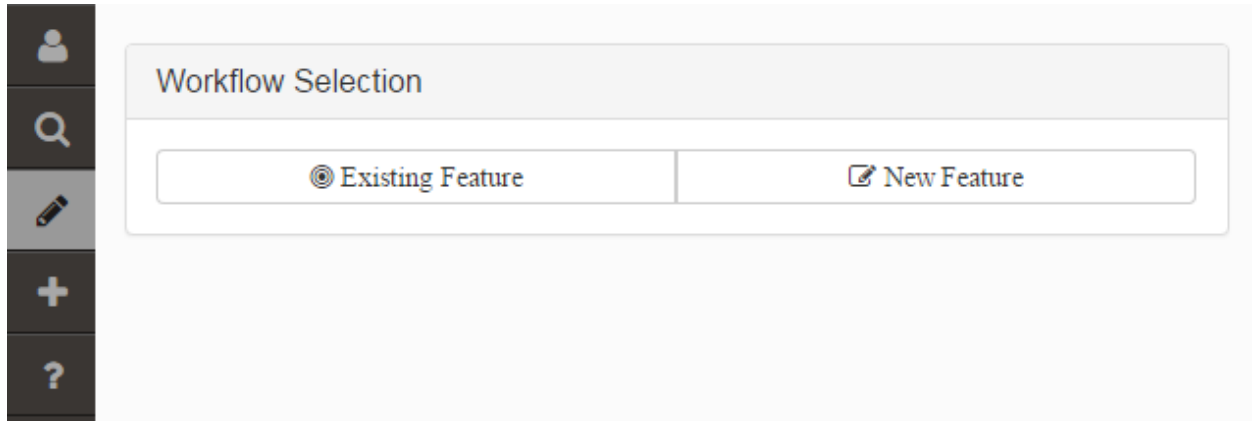


Step 3: Markup Application displays the email address associated with the account chosen for authentication.



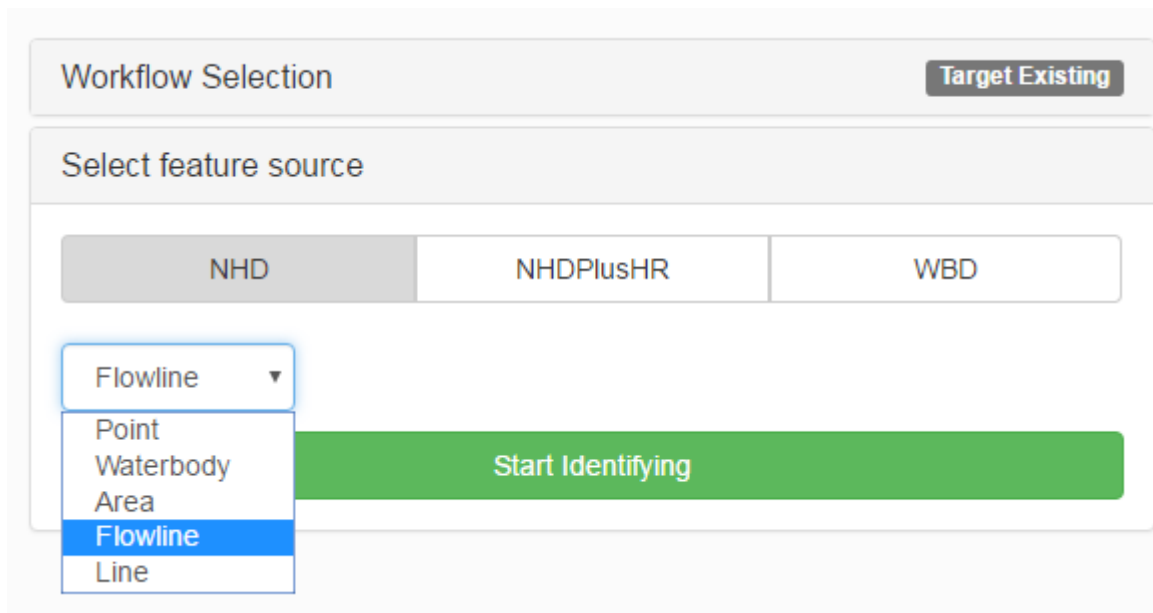
## Workflow for Creating and Submitting Markups

Step 1: User chooses to markup an existing feature or to create a markup for a current feature.



The screenshot shows a vertical sidebar on the left with icons for user profile, search, edit, add, and help. The main content area is titled "Workflow Selection" and contains two radio buttons: "Existing Feature" (which is selected) and "New Feature".

Step 2: User chooses which feature layer they want to create the markup for, using pre-defined drop-down lists.



The screenshot shows the "Select feature source" section of the interface. At the top right, there is a "Target Existing" button. Below it, there are three tabs: "NHD", "NHDPlusHR", and "WBD". A dropdown menu is open under the "NHD" tab, listing "Flowline", "Point", "Waterbody", "Area", "Flowline", and "Line". The "Flowline" option is highlighted in blue. A green "Start Identifying" button is positioned to the right of the dropdown menu.

Step 3: User uses the map to select a feature for marking up



Feature 1	Feature 2
<b>OBJECTID:</b> 407726	
<b>Permanent_Identifier:</b> 136613132	
<b>FDate:</b> 12/23/2011 4:24:12 PM	
<b>Resolution:</b> High	
<b>GNIS_ID:</b> Null	
<b>GNIS_Name:</b> Null	

Step 4: User chooses a type to action that the markup will communicate.

Modify attribute only.

**Issue type action**

Update Existing Feature ▼

Update Existing Feature

Delete Feature

Comment Only

Step 5: In case of the action called “update existing feature”, user has to draw a proposes shape for the selected feature using a drawing tool in the application.

Modify attribute only.

**Issue type action**

Update Existing Feature ▼

Select Re-Identify

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Create Markup **Polygon**

Point Polyline Polygon

Finish Edit Cancel Edit



Step 6: User populates description for the proposed markup and has an option to suggest changes to attributes:

Workflow Selection **Target Existing**

Select feature source **NHD - Waterbody**

Feature Selection **87510369**

Create Markup **Polygon**

**Description** 57/250

adjust the northern boundary to match the markup boundary

**Attributes (optional)**

- FDATE
- Resolution
- GNIS\_ID
- GNIS\_NAME
- AREASQKM
- Elevation
- REACHCODE
- FType
- FCode
- GLOBALID

Step 7: User clicks “Save” button to save the markup into the database.