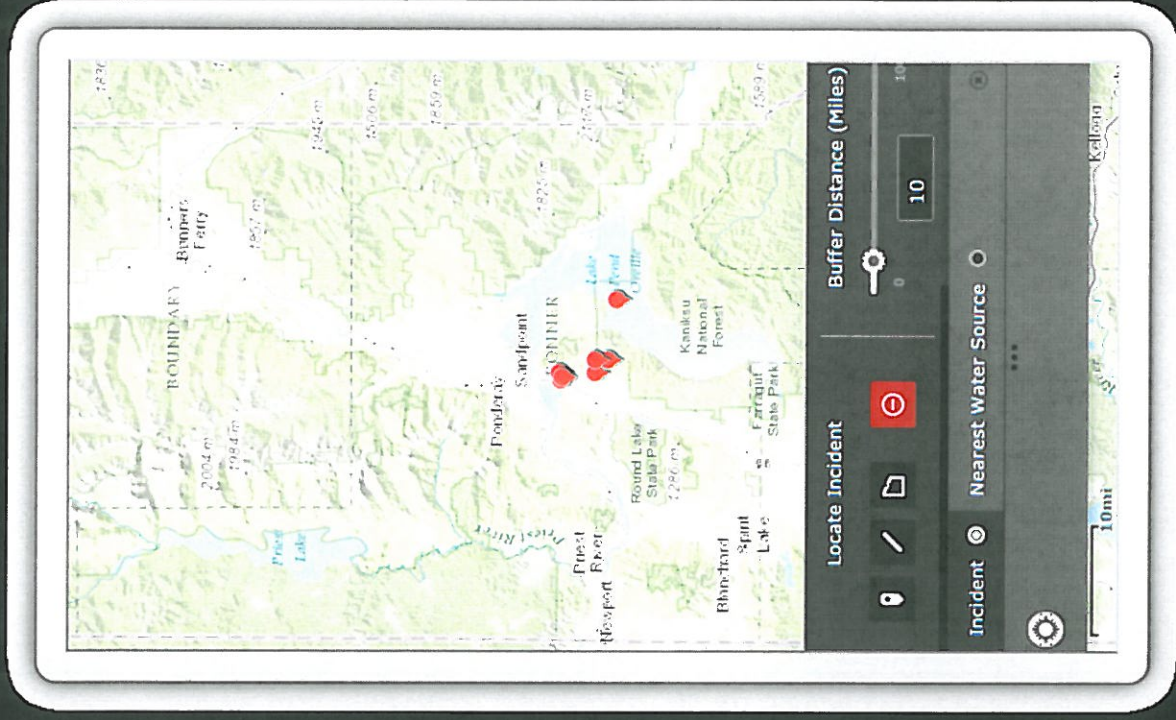


# GIS Tools for Planning

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GIS Administrator

*Some new, some old and a brief tutorial*





- Visualize Flyover video
- Hands on interactive, reactive analysis for non technical example site
- Accessible data, web based, not from just a GIS software
- Data on mobile devices, Field data collection ( DSBAs) Vacant storefronts
- Capturing history
- Custom tools...Vacant commercial query
- Easy access to restriction data
- Quick tutorial on how to make \$/acre visual

# Take your data mobile

With ArcGIS online or local Portal and ArcGIS Server

The screenshot displays the ArcGIS Web App Builder interface. At the top, there are navigation options: Home, Width (1024), Height (768), and a Save button. Below this is a list of mobile devices for preview, including iPhone4, iPhone5, iPhone5S, iPhone4S, iPad Air, iPad with Retina Display, Samsung Galaxy S4, Samsung Note 3, Nexus 7, HTC One, and Kindle Fire. A QR code is visible on the left side of the device list, with the text "Scan QR code to view application on your mobile device".

The main area shows a preview of the 'Water Sources' application on a tablet. The application interface includes a search bar with the text 'Water Sources', a map showing a landscape with a yellow line representing a water source, and several red circular markers. The ESRI logo is visible in the bottom right corner of the application preview.



# Quick access to data

The screenshot displays a web-based GIS interface. The browser's address bar shows the URL: <https://maps.cityofsandpoint.com:flexviewers/FullGIS/>. The page title is "Staff GIS".

The main map area shows an aerial view of a residential neighborhood. Several parcels are highlighted with yellow diagonal hatching, indicating they are subject to specific restrictions. A popup window titled "Restriction CUP-12-01" is open over one of these parcels, displaying the following information:

- Restriction CUP-12-01
- Comment
- 6th and ...pdf (8.53 MB)
- CUP-12-01...pdf (615.97 KB)
- Zoom to

The "Layer List" panel on the right side of the map is expanded, showing the following layers and their visibility status:

- Layer Visibility
- Streetlights
- Sidewalk
- Restrictions
- Parcels with Restrictions
- Plats
- Planning and Zoning
- business signs
- Tourist Homes
- Tourist Home Buffer

The interface includes standard GIS navigation tools such as a search bar, a scale bar, and a compass. The browser's address bar also shows "Other bookmarks" and "Problems 2".



# Custom Queries

The screenshot displays a web-based GIS application interface. At the top, the browser address bar shows the URL: <https://maps.cityofsandpoint.com/flexviewers/FullGIS/>. The application includes a top navigation bar with 'Staff GIS' branding and a 'Bookmarks' section. A 'Layer List' panel on the left shows various layers, with 'Property Info 2015' and 'Parcels 2015' checked. The main map area shows an aerial view with several red-shaded property parcels. Two pop-up windows are visible, providing detailed information for specific parcels.

**Layer List**

- Combined Water and Sewer D
- City limits
- Property Info 2015
- 2015-2016
- 2016-2017
- Parcels 2015
- County lots 2015
- County Address
- Parcels 2014

**Vacant Commercial**

Features found: 419

**RPC00000024501A**

PropStr: 0 STEPHENS ST  
PropCity: CLARK FORK  
PropSt: id  
PropZip: 83611  
LastSelDate: Mon Sep 6 2004  
LstAcqValue: 0  
LstSelValue: 0  
LstAcres: 0.565  
LgAddr: 2.45N-2E TAX 12 LESS S  
30FT OF E 80FT 1988 KITB X22 M+

**RPC00000030596A**

PropStr: 314 HIGHWAY 200  
PropCity: CLARK FORK

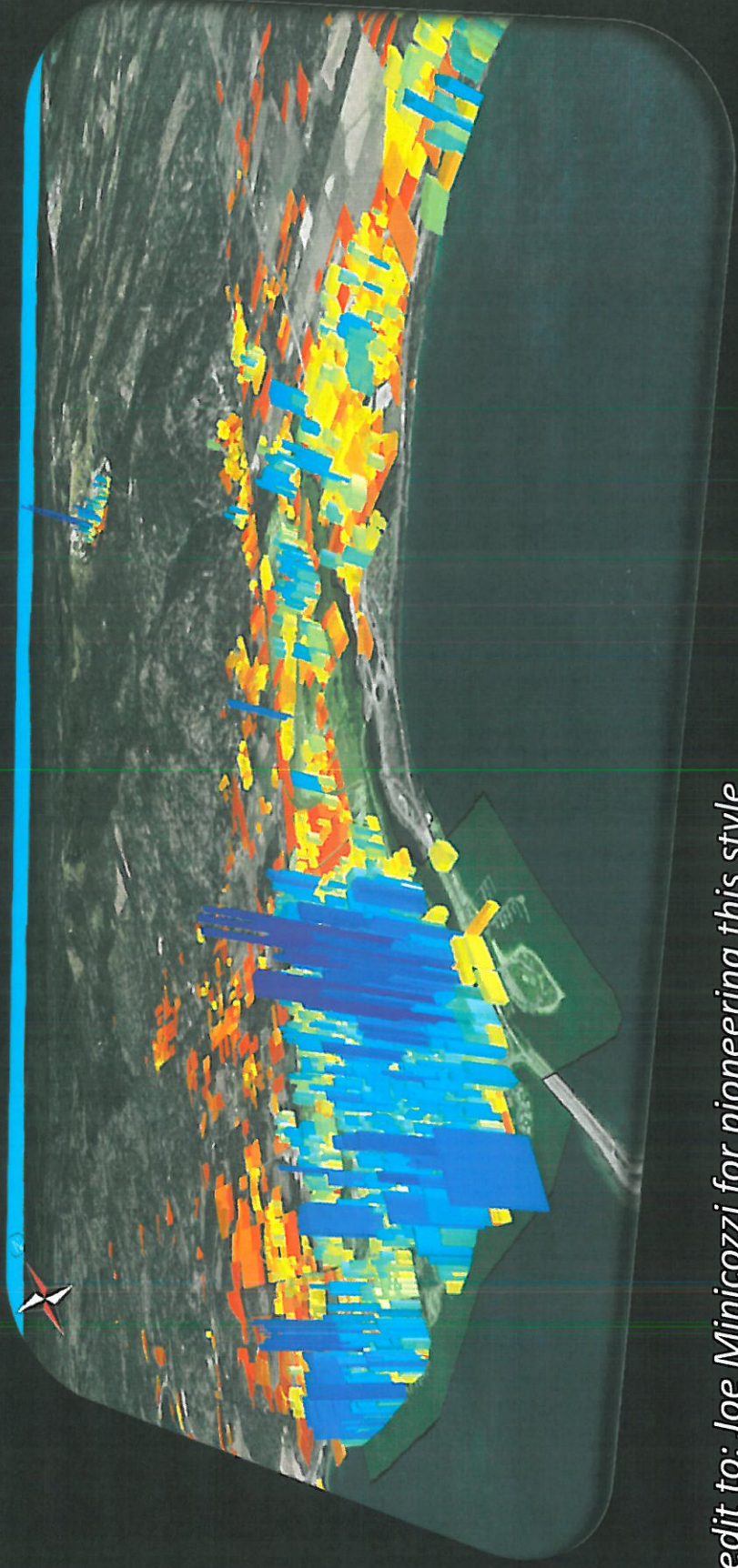
**RP503890000808AA**

PropStr: not available  
PropCity:  
PropSt: id  
PropZip:  
LastSelDate: Sun Sep 30 1990 05:00:00 PM  
LstAcqValue: 0  
LstSelValue: 700000  
LstAcres: 0.065  
LgAddr: 22.57N-2W SANDPOINT ORIGBLK 6  
S2 L018, ALL OF 9, LESS TAX 1 PARKING



# Quick tutorial, Assessed Value Per Acre

- Software needed ArcGIS, ArcGIS 3D Analyst
- Spatial Data, Parcel fabric with ID
- Relation Data, Tax assessment data



Credit to: Joe Minicozzi for pioneering this style of analysis <http://www.urban-three.com/>

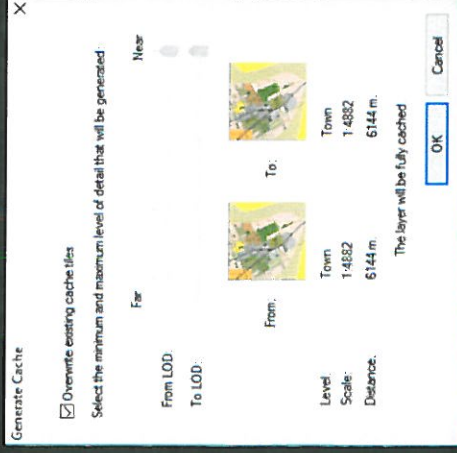
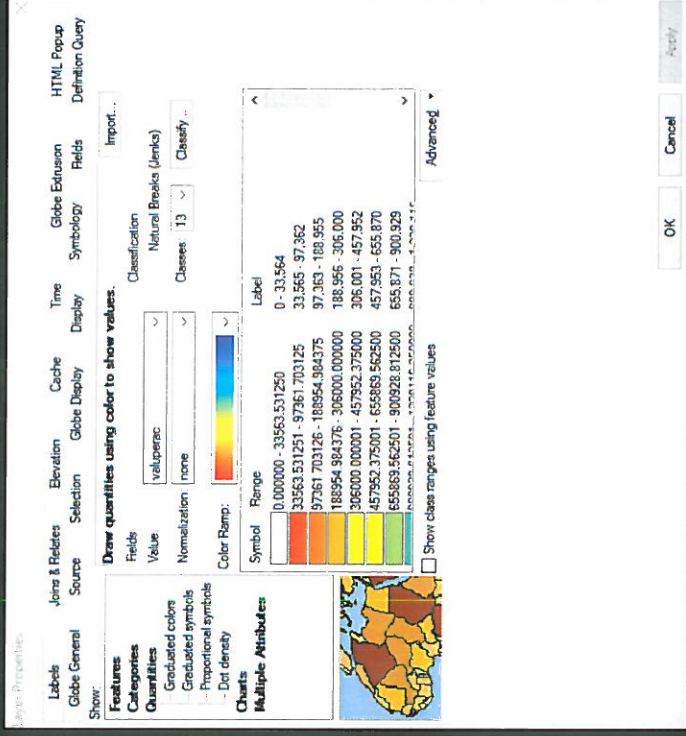
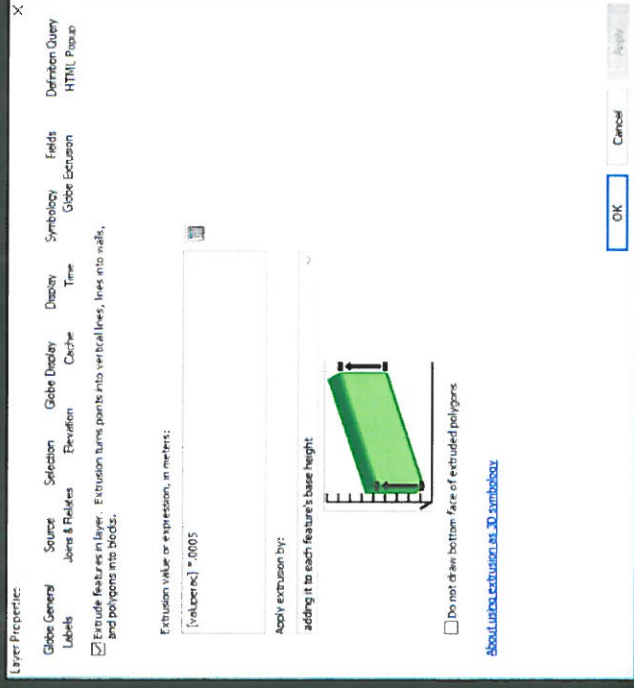






# Make it 3D

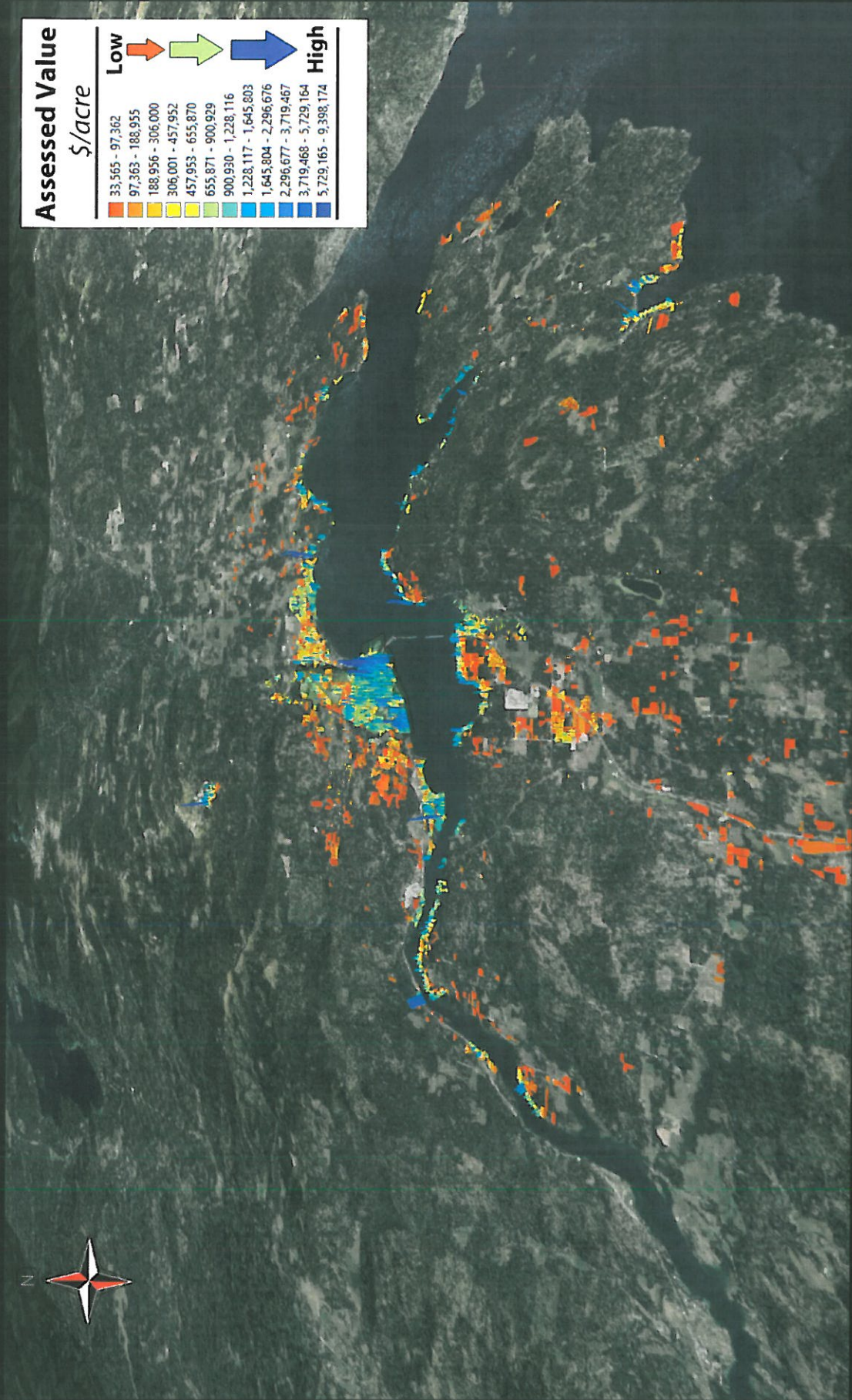
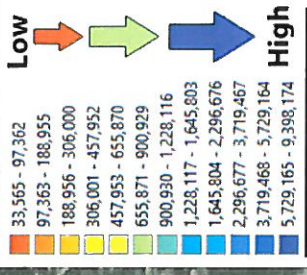
- Launch ArcGlobe
- Add your new parcel layer
- Extrude the calculated value
- Apply symbology
- Generate Cache







**Assessed Value**  
\$/acre



Questions? Contact: Jared Yost, City of Sandpoint, Idaho [jyost@SandpointIdaho.gov](mailto:jyost@SandpointIdaho.gov)