



ArcGIS Pro

Another Tool in Our Toolbox

Maria Giarrusso
GIS Manager, Cranston

Raise Your Hand....

- Who is Using ArcGIS Pro?
- Who Would Like to Use Pro but Isn't ?
- Who Has No Idea If They Should Even Consider Using It?



What is it?

- 64-bit Desktop Application
 - Project-Centric
 - Designed to Work with ArcGIS Online/Enterprise
- Included with your Desktop License along with ArcMap
- Will *eventually* replace ArcMap

Version	Release Date	General Availability	Extended Support	Mature Support	Retired	Release Notes
10.6	January 17, 2018	Jan 2018 - Dec 2019	Jan 2020 - Dec 2021	Jan 2022 - Dec 2023	January 01, 2024	View
10.5.1	June 29, 2017	Jun 2017 - Nov 2018	Dec 2018 - Nov 2020	Dec 2020 - Nov 2022	December 01, 2022	View
10.5	December 15, 2016	Dec 2016 - Nov 2018	Dec 2018 - Nov 2020	Dec 2020 - Nov 2022	December 01, 2022	View

Should I Use Pro?

- Questions to Ponder...
 - Is it Different or Better Than What I Already Have?
 - New Capabilities?
 - Existing Capabilities Still Exist?
 - What are its Strengths/Weaknesses?
 - Is it Ready?
 - Buggy?
 - How's Performance?



Should I Use Pro?

- Is it Worth the Effort to Learn New Software?
 - If I Go Down this Road, Will I have to Turn Back?
 - Did I Gain Anything?
- Organizational/Personnel Considerations
 - New-to-GIS?
 - Experienced ArcMap User?
- Do We Meet System Requirements? (Hardware)
 - How Much \$\$\$\$\$



Target Implementation...

- Field Editing Through Internet (ArcGIS Server/ArcGIS Online)
 - Field-based Storm System Updates
- New GIS Users
 - Skip ArcMap if ESRI Going to be Phased Out – *some day*
- Need More Flexibility than Web Apps Offer - Ex. Radius Maps
 - Layouts
 - Symbology
 - Rotate Map



Storm System Field Edits

- Eliminate Web App for Editing
 - Edit Widgets Can Be Buggy
 - Edit Widgets in Web App are Limited Compare To Pro
- Can Edit Related Records/Attachments
- Better Control Over Software Environment
 - Migrate to Pro for a Consistent Software Solution?
- Off-Network, Direct Editing through Internet 😊
 - ArcMap Requires a Local Copy that gets Synced Back to the Database



Struggles/Concerns of Existing ArcMap User

- Still at Beginning of Learning Curve
 - Concerned About Yet-To-Be-Discovered Issues and Having to Go Back To ArcMap
 - Wasted Time/Effort?
- Lack of Confidence with New Work Flow for Editing
 - More QA/QC, Check/Recheck
- Not Ready to “Abandon” ArcMap
 - Still Working with 2 Applications – ArcMap and Pro

Hardware

(ArcGIS Pro 2.1)

Minimum Recommended

CPU
Recommended: Quad core
You Have: Intel(R) Xeon(R) CPU W3680 @ 3.33GHz

CPU SPEED
Recommended: Info
You Have: 3.3 GHz

VIDEO CARD
Recommended: DirectX 11 feature level 11.0; Shader Model 5.0; OpenGL 4.5; 2 GB RAM; and the EXT_texture_filter_anisotropic, EXT_texture_compression_s3tc, EXT_swap_control, and ARB_shader_draw_parameters extensions
You Have: ATI FirePro V (FireGL V) Graphics Adapter

Features: Recommended attributes of your Video Card

	Required	You Have
Total Video RAM	2 GB	4.0 GB
Pixel Shader	5.0	5.0
Vertex Shader	5.0	5.0
Dedicated Video RAM	512 MB	2.0 GB

RAM
Recommended: 8 GB
You Have: 12 GB

OS
Recommended: Windows 7, 8.1, 10 Pro and Enterprise (64 bit); Windows Server 2008 R2 Standard, Enterprise and Datacenter (64 bit); Windows Server 2012 Standard and Datacenter (64 bit); and Windows Server 2012 R2 Standard and Datacenter (64 bit)
You Have: Microsoft Windows 7 Professional Edition Service Pack 1 (build 7601), 64-bit

FREE DISK SPACE
Recommended: 32 GB
You Have: 1.2 TB

BROWSER VERSION
Recommended: Internet Explorer 11.0 or better
You Have: 11.0.9600.18893

OPENGL ARB_VIEWPORT_ARRAY_EXTENSION
Recommended: Is extension present?
You Have: yes

.NET VERSION
Recommended: 4.6.1
You Have: 4.6.2

- Can You Run It?
 - Link System Requirements Page
- NEARC ListServ
 - Systems People are Using
 - “the better performing machines include 16 GB+ of RAM, 4 GB+ of video, and SSD hard drives”
- *May* Still be Able to Run on PC that Doesn't Meet Requirements
 - Reduced Performance

(ArcMap 10.5)

Minimum Recommended

CPU
Recommended: Hyper-threading (HHT) or Multi-core recommended
You Have: Intel(R) Xeon(R) CPU W3680 @ 3.33GHz

CPU SPEED
Recommended: 2.4 GHz
You Have: 3.3 GHz Performance Rated at: 9.99 GHz

VIDEO CARD
Recommended: 256 MB video card with Shader Model 3.0
You Have: ATI FirePro V (FireGL V) Graphics Adapter

Features: Recommended attributes of your Video Card

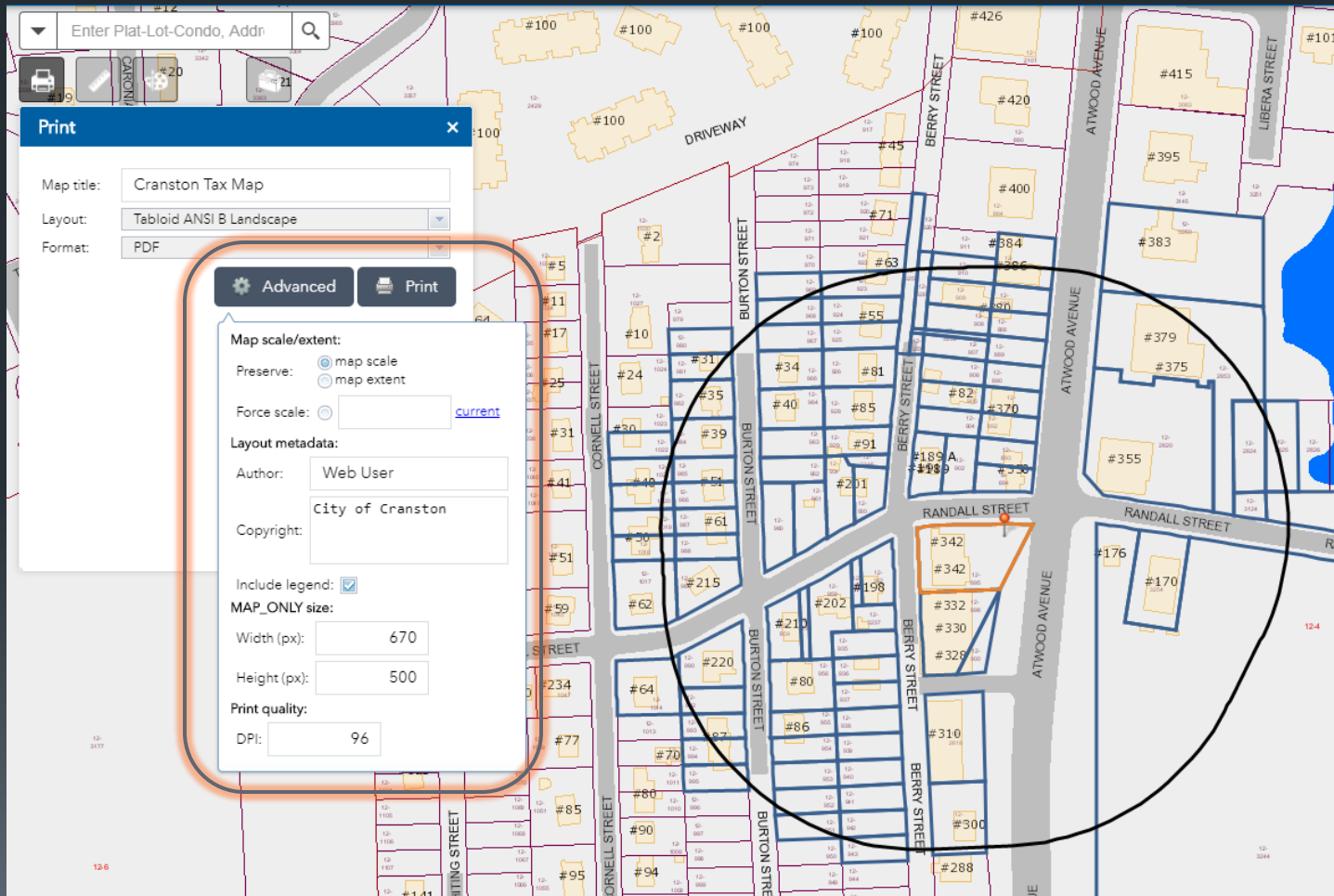
	Required	You Have
Total Video RAM	256 MB	4.0 GB
Hardware T&L	Yes	Yes
Pixel Shader	3.0	5.0
Vertex Shader	3.0	5.0

RAM
Recommended: 8 GB
You Have: 12 GB

Radius Maps – Web App

Limited/Inefficient Control of Map Extent

No Control to Adjust Symbology, Label, Rotate

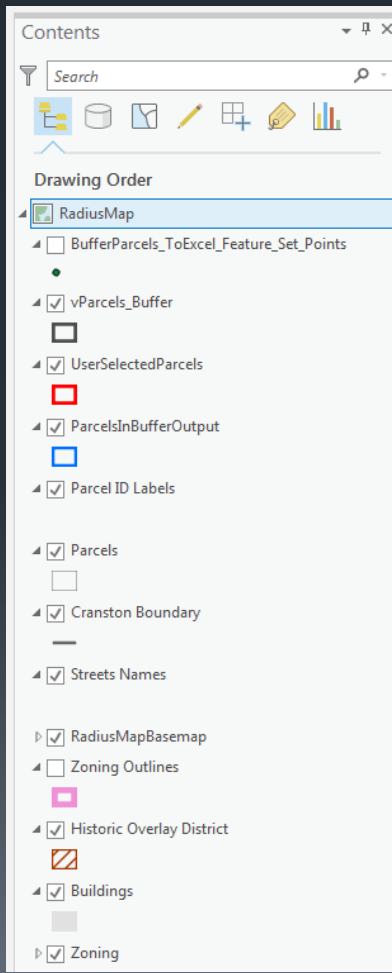


Radius Maps - Pro



Radius Maps - Pro

Control Symbology,
Labels, etc...



Better Layout Control than Web Apps:
Legends, Layout Elements, WYSIWYG



The Reality of New Software

Wanted to Use New Task Functionality to Assist New User, But....

My Esri / My Organizations / Support / Bugs



Bug Details

[Back to Bugs](#)

#BUG-000110532 When using the Record command within a task in ArcGIS Pro, recording a geoprocessing service from ArcGIS Server creates a blank command.

New

Status

ArcGIS Server

Product

Medium

Severity

10.5.1

Version

1/3/2018

Submitted

English - United States - (en-US)

OS Locale

02041321

Related Cases

Actions:

Escalate

Summary - Cranston

- Not Replacing ArcMap
 - It's Not Broke – Don't Fix It!
 - Not Enough Return for New Learning Curve for Existing Users
- Field Editing through Web
 - ArcMap Not Good Option for This Situation
 - Web Apps Good, Pro is Better
- Personnel-Dependent
 - New-to-GIS Employees
 - Focused-Task (Need More Flexibility than Web Apps Provide)
 - Subject To Ability to Run on Existing Hardware
- Hardware
 - May Make Implementation Cost-Prohibitive?
- Figuring It All Out is Ongoing Process

Questions? Comments? Advice?



- Maria Giarrusso
- GIS Manager, Cranston
- mgiarrusso@cranstonri.org
- 401-780-3178