

# Yabba Data Doo! Hammering Down Data Validation in ArcGIS Pro

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# Do you have...

- multiple users editing your data?



**Need best practices**

# Do you have...

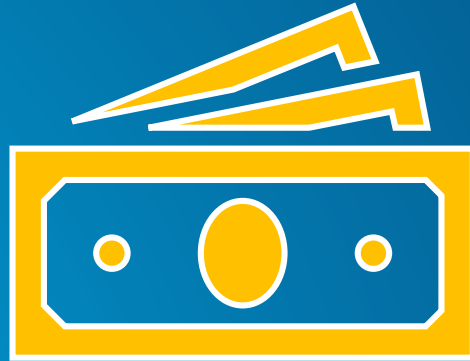
- People making mistakes when editing your data?



**Need quality assurance**

# Do you have...

- Mistakes that are costing \$\$\$



**Need to catch errors as they happen**

# Do you have...

- other departments complaining your updating process takes too long



Need metrics

# Do you have...

- non-GIS users/new employees working on your data?



**Transfer business knowledge**

**Learn how to use the software**

# Do you have...

- a manual with instructions that people don't follow?



**Dynamic help that follows your steps**

# Do you have...

- A burning desire for an automated and intuitive workflow fit for your organization's needs?

**Well you attended the right session!**





# What's in store?



1. **Use a Task to Create Building Footprints**
2. **Build a Task**
3. **Use Topology within a Task**
4. **ArcGIS Data Reviewer**

# GIS Technician for City of Chilliwack



I've got a workflow for creating building footprints...

Can I create a Task?

## Locate Work Area

- By subdivision name



## Select Subdivision

- Copy the subdivision



## Create New Buildings

- Make sure they don't overlap



## Attribute New buildings

- paste the subdivision name, populate attributes



## Save Edits

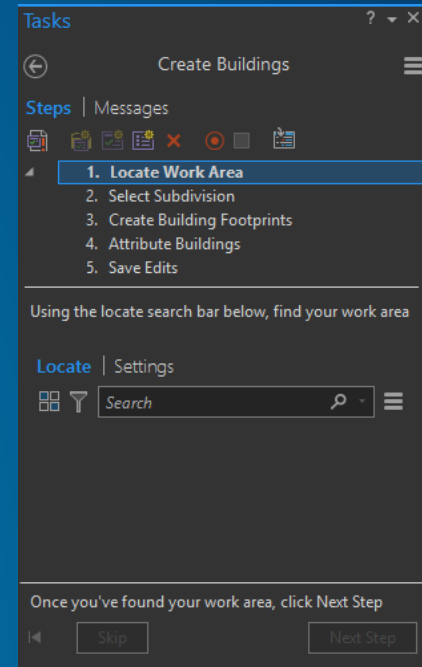
- Never forget to save edits

# Demo: Creating Building Footprints



# What is a task

- Sequential steps that guide you through a repeatable workflow
- Tasks:
  - Used to guide and share knowledge
  - Are interactive
  - Improve efficiency
  - Improve quality
- Tasks use your (business) language
- Tasks are configurable



# Demo: Creating Building Footprints Task

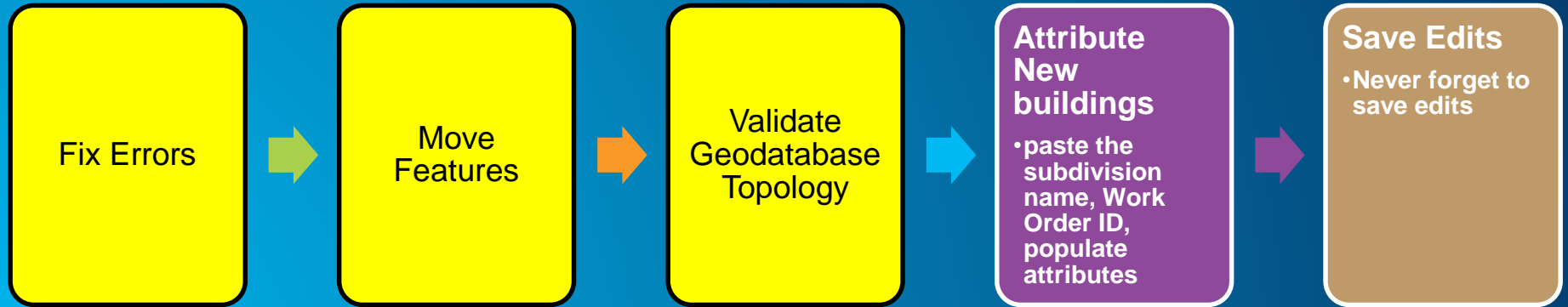
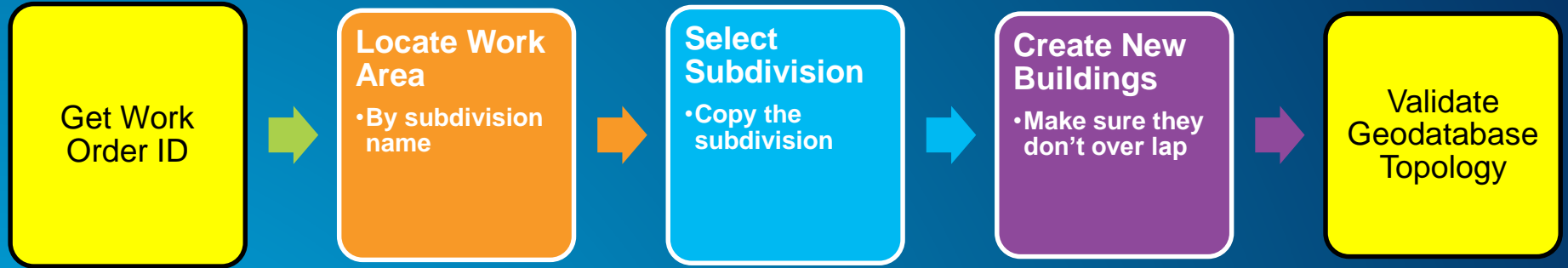


# GIS Technician for City of Chilliwack



**I've got a more complex/realistic workflow for creating building footprints... with topology!**

**Can I create a Task?**





# What is Topology?

- **Topology is the arrangement for how point, line, and polygon features share geometry**
- **Helps ensure data integrity**
  - Constrain how features share geometry
  - Define and enforce data integrity rules
  - Support topological relationship queries

# Demo: Validating Topology Task



# Data Reviewer for ArcGIS Pro

Enables management of data in support of data production and analysis by providing a complete system for automating and simplifying data quality control that can quickly improve data integrity.

- Spatial Checks
- Attribute Checks
- Feature Integrity Checks
- Metadata Checks

# Demo: ArcGIS Data Reviewer



# Licensing

## Basic

- ArcGIS Pro → Tasks

## Standard

- ArcGIS Pro → Tasks
- Topology

## Advanced

- ArcGIS Pro → Tasks
- Topology

**ArcGIS Data Reviewer Extension – Available for all licences**

## Data Reviewer Checks

<http://pro.arcgis.com/en/pro-app/help/data/validating-data/an-overview-of-data-reviewer-checks-in-arcgis-pro.htm>

## Data Reviewer Pre-Configured Batch Files – Water Utilities

<https://solutions.arcgis.com/utilities/water/help/data-reviewer-for-water-utilities/>

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