QA/QC DATA WITH COLLECTOR

BUILD AN EASY TO USE DATA REVIEW TOOL USING ARCGIS COLLECTOR

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DATA MANAGEMENT TECHNIQUES

- Don't just use Collector for field work. Use it in house to manage all your data review tasks
    - Incredible tool for the non-technical user
    - Users interact only with data that needs attention
    - Easily integrated with your reporting services

DATA MANAGEMENT TECHNIQUES

- Scenario
  - Information is being collected for features in a related table by external consultants
  - Managers need to review the consultants work before the new information is available to users
  - Managers need a tool that shows only the information that needs to be reviewed
  - Users will only have access to data that has been reviewed

RECIPE

- Follow these simple steps to have your own QA/QC tool.
  - Add a new column to your feature class named "InspectionReviewNeeded"
  - Add a new column to your inspection table named "QAStatus"
  - Create a Domain called QAStatus, give it two values "Passed", "Needs Review" and associate it with the QAStatus field.
  - Include the QAStatus field as part of a definition query on your existing data and reporting services.
  - Publish a QAQC service based on definition queries applied to these two columns

NEW DOMAIN

QAQC LAYER SERVICE DEFINITION

Layer Properties   ✕

General | Source | Selection | Display | Symbology | Fields | **Definition Query** | Labels | Joins & Relates | Time | HTML Popup

Definition Query:

InspectionReviewNeeded = 'Yes'

Query Builder...   Search Order...

OK   Cancel   Apply

QAQC TABLE SERVICE DEFINITION

Table Properties

General | Source | Display | Fields | **Definition Query** | Joins & Relates | Time

Definition Query:

QAStatus <> 'Passed'

Query Builder...

OK

DATA TABLE SERVICE DEFINITION

ADD A DATABASE TRIGGER TO PULL IT ALL TOGETHER

- Update the feature class so it will know when there is an associated inspection record that needs review

  UPDATE FeatureA set InspectionReviewNeeded = 'No' ;

  UPDATE FeatureA set InspectionReviewNeeded = 'Yes' WHERE FeatureA.GlobalID in (SELECT DISTINCT ParentGUID from FeatureAInspections WHERE QAStatus <> 'Passed');

DATA COLLECTION SERVICE

- Shows all features but does not include any related inspection records flagged as needing review.
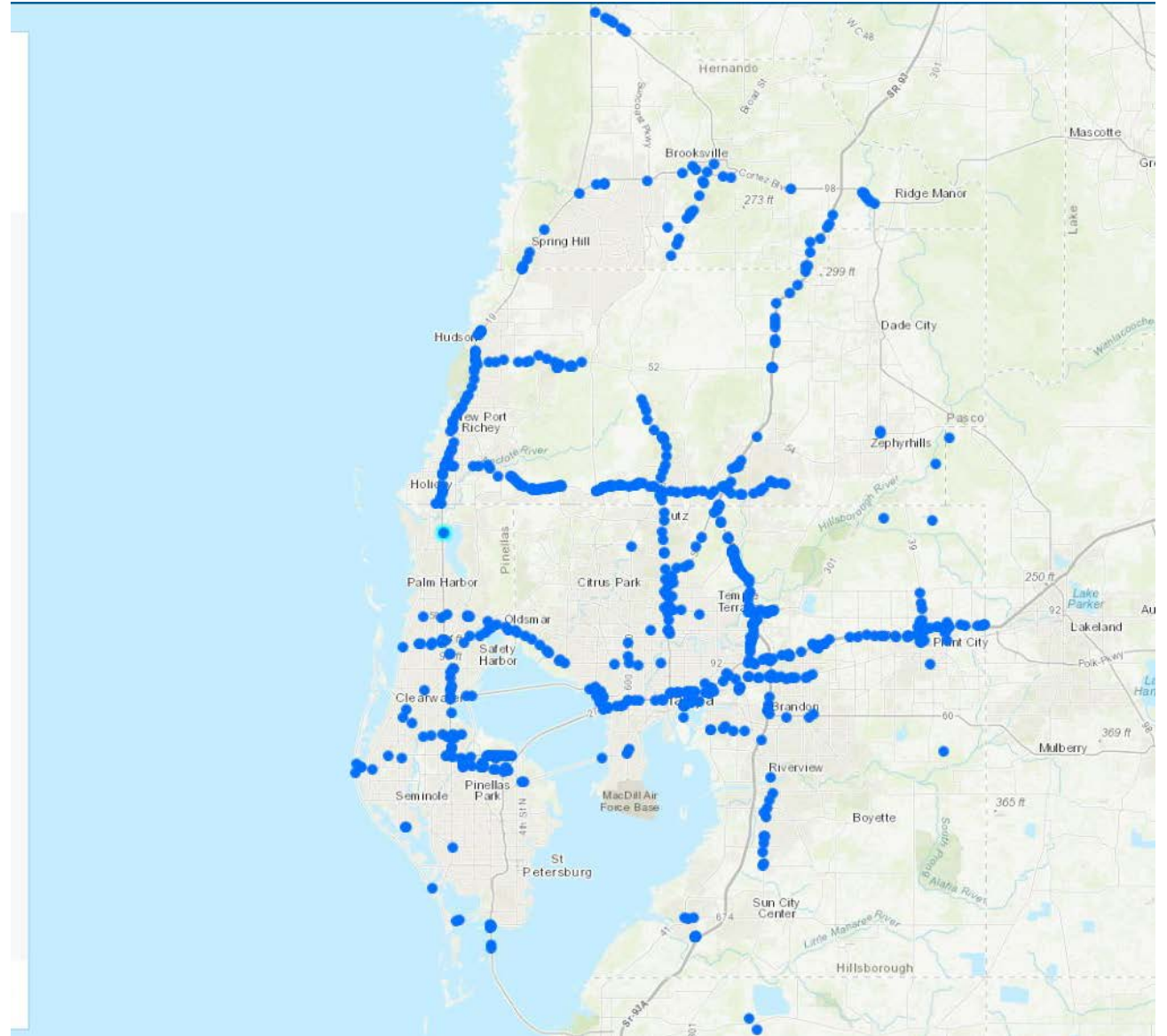
QAQC SERVICE

- Shows only features that have related inspection records flagged as needing review.
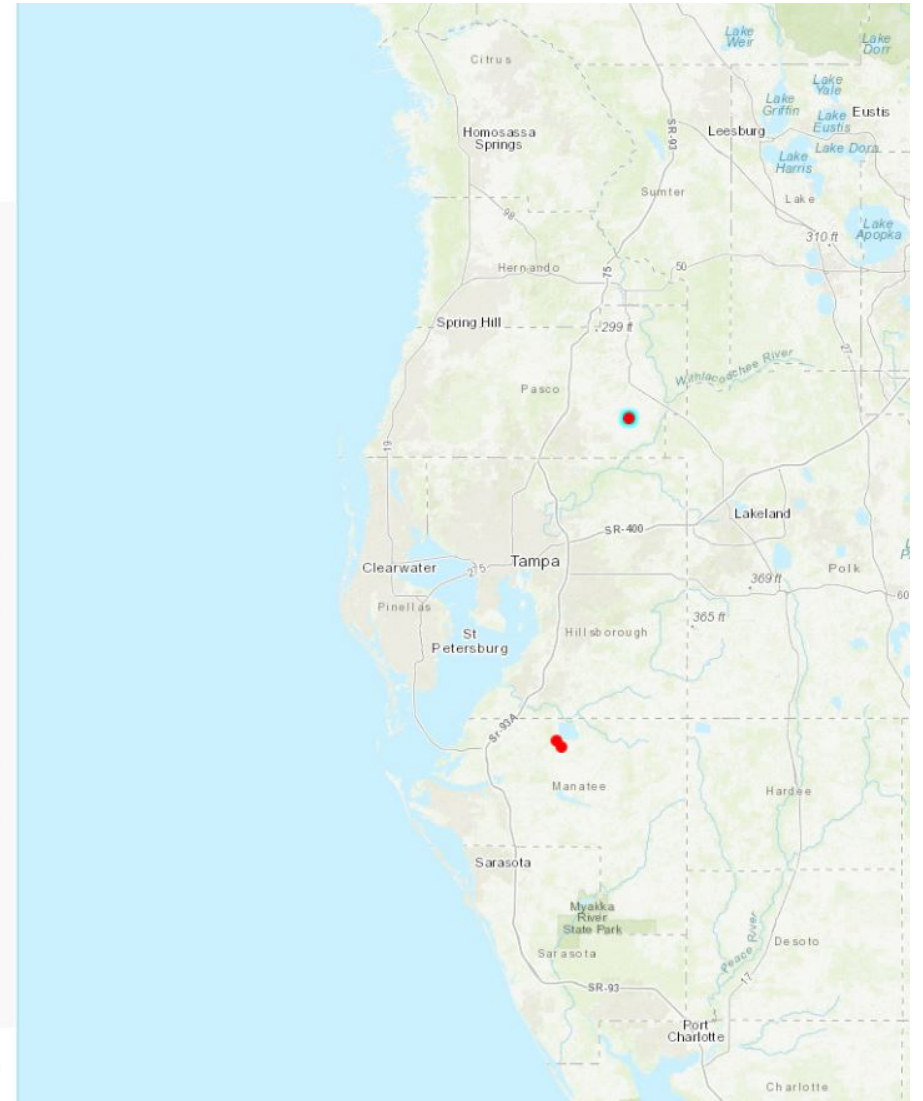
REPORTING

- Easily integrate reports with both services.

THINGS TO CONSIDER

Supports nested tables

- A table related to the inspection table can also be included, just add another column to store its value in the feature class

Can also be used for Feature classes

- Control feature classes in the same way

Remember to include limits in other services

- Published mxds
- Reporting services