

# 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

## Database Properties

General Domains Connections Editor Tracking

	Domain Owner	Domain Name	Description	^
	GIS_NPDES_ADMIN	MMSCodes	MMS Codes	
	GIS_NPDES_ADMIN	PondType	Types of Ponds	
	GIS_NPDES_ADMIN	QAStatus	QA Status	
	GIS_NPDES_ADMIN	RainfallInches	Rainfall Range	
	GIS_NPDES_ADMIN	Ratings	Ratings	
	GIS_NPDES_ADMIN	SideOfRoad	Side of Road the Facility	
	GIS_NPDES_ADMIN	WeirShape	Shape of Weir	
	GIS_NPDES_ADMIN	WeirType	Type of Weir	▼

### Domain Properties:

Field Type	Text	^
Domain Type	Coded Values	
Split policy	Default Value	
Merge policy	Default Value	
		▼

### Coded Values:

	Code	Description	^
	Passed	Passed	
	Requires Edits	Requires Edits	

# 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

Table Properties

General Source Display Fields Definition Query Joins & Relates Time

Definition Query:

QASstatus = 'Passed'

Query Builder...

OK Cancel Apply



# ADD A DATABASE TRIGGER TO PULL IT ALL TOGETHER

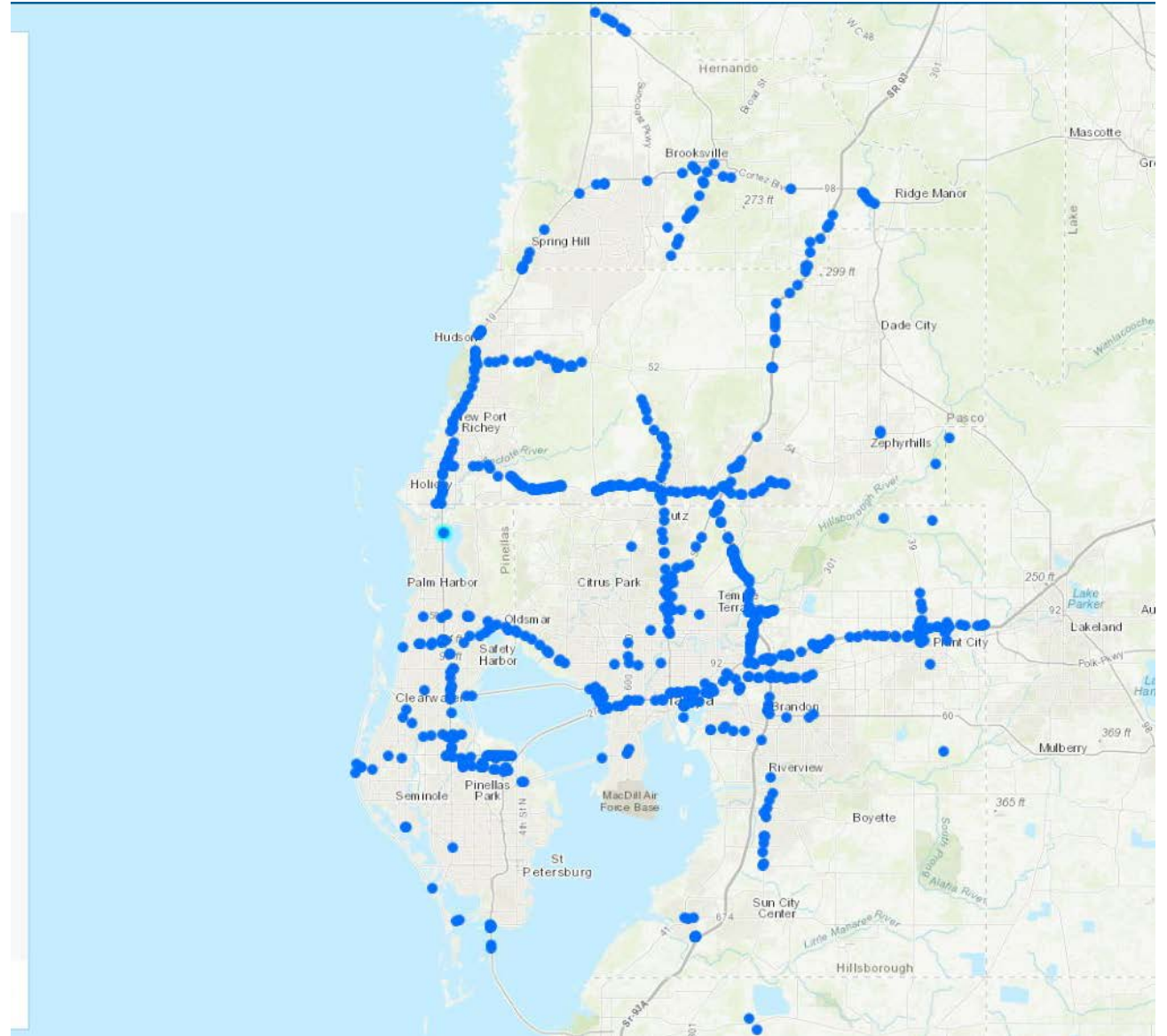
- Update the feature class so it will know when there is an associated inspection record that needs review

```
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.

D7SWF14000-00281  
Location 28.25290001N, 82.18829999W  
Edited by: Conversion, March 11, 2019

## Attributes

Statewide Facility ID

D7SWF14000-00281

District Facility ID

F14050-2562821-01

State Project Number

14050-2562821

FM Number

2562821

Facility Name

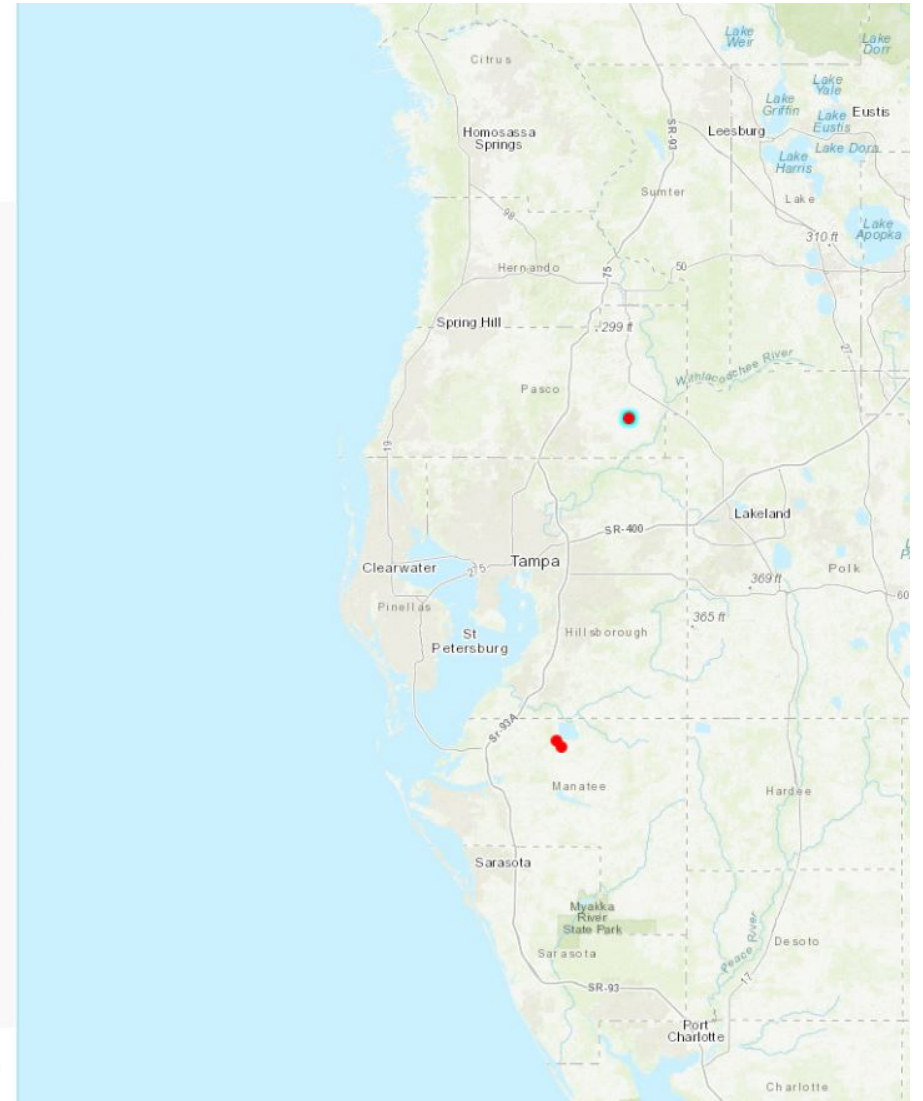
Facility Type

Dry Retention

County

PASCO

State Road Number





# REPORTING


- Easily integrate reports with both services.

1 of 2 100% Find | Next



## STORMWATER POND REPORT

Statewide Facility ID:	D7SWF14000-00281	District Facility ID:	F14050-2562821-01
FM Number:	2562821	Facility Name:	
State Project Number:	14050-2562821	County:	PASCO
State Road Number:	39	Facility Type:	DryRetention
Permit Agency:	SWFWMD	Maintenance Yard:	
ERP Permit Number:	44027147.001	Milepost Number:	0.39
FDEP M S4 Permit Number:	FL S000032	Permit Exp.Date:	09/18/2022
Drainage Basin:	Hillsborough River	Footprint Acres:	0.26000000
Side of Road:	Left	Mowing Area:	0.00 acres
Last Inspection Date:	04/19/2019	Last Inspection Result:	Not performing as designed and permitted


Location map for stormwater facility F14050-2562821-01



Pond Inspection History

Date	Inspector	Inspection Result	Report
4/19/2019	Eric Brown	Not performing as designed and permitted	
2/16/2018	R. Nibert	Performing as designed and permitted	

Pond Maintenance Needs History

Date	Maintenance Need	Report
4/19/2019	Test Maintenance Need	

# 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