



PINAL • COUNTY
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Agenda

- Role of GIS (Crust)
- Preliminary Scope
- Land Use
- Roads
- Other Items
- Discussion

Role of GIS

- Use GIS resources to collect, analyze, and compile databases that will meet or exceed the needs of the stakeholders.

Preliminary Scope

Compile Land Use, Roads, and Traffic Count locations databases within a specified area that will be used ongoing by Air Quality agencies to model PM10 emissions.

- The specified area is roughly the western half of Pinal County less Indian Communities.
- The databases will require a level of ongoing maintenance.

Land Use

Categories to be identified;

- Agriculture – Fields and Field Activity
- Agriculture – Dairies and Feedlots
- Sand and Gravel Operations
- Landfills

(Each of the above would be separate datasets which could be used together or individually)

Data Sources;

- Assessor Property Use Code Data
- Aerial Imagery
- Others?

Land Use

Proposed Methodology;

- In the GIS environment join parcel polygons with an Assessor database that contains parcel ID number and the latest Use Code.
- Identify the Use Codes for required land uses
- Isolate the parcels that contain the identified Use Codes and export and save the selection.
- Overlay the newly created selection on the most recent aerial imagery available to confirm.

Roads

Categories to be identified;

- All paved roads
- All ADMP roads
- All dirt roads (excluding agriculture aprons)

Data Sources;

- ADOT HPMS Roads Data
- Pinal County Streets Data
- Pinal County HURF Data
- Available Right of Way Data
- Pinal County Primitive Roads Data
- State Lands Trails Data
- Aerial Imagery

Roads

Proposed Methodology;

- Analyze available datasets (likely start with HURF and Pinal County Streets).
- Continue combining all available sources and confirming with aerial imagery.
- Digitize any remaining roads from aerial imagery
- Determine area of each road.

Roads (Challenges)

Road Area –

- Road width/Right of Way vary
- Barr ditches and drainage included in width?

Other Items

Burning –

- Is identification of these sources necessary in this phase?
- If Yes, Would locating and mapping Burn Permits achieve the desired outcome?

Desert Lands –

- Is identification of this necessary in this phase?

Construction –

- Is identification of this necessary in this phase?



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Questions?

Thank You!