

Cowtown Monitoring Site Relocation – Progress Update

Pinal County Air Quality

Mike Sundblom

April 30, 2014

Background

- Pinal County notified of lease termination Fall 2013
- Lease extended through January 2016
- PM10 and PM2.5 sites must be relocated
- EPA approval is required for new PM10 & PM2.5 sites
- EPA provided guidelines for relocation process
- Relocation Study planning underway

New Site Criteria

- EPA criteria for new site
 - Similar concentrations
 - Represent emissions from similar sources
 - Current ½ km scale isn't an absolute limit
- Evaluation Timeline
 - Validation study – one year field measurement

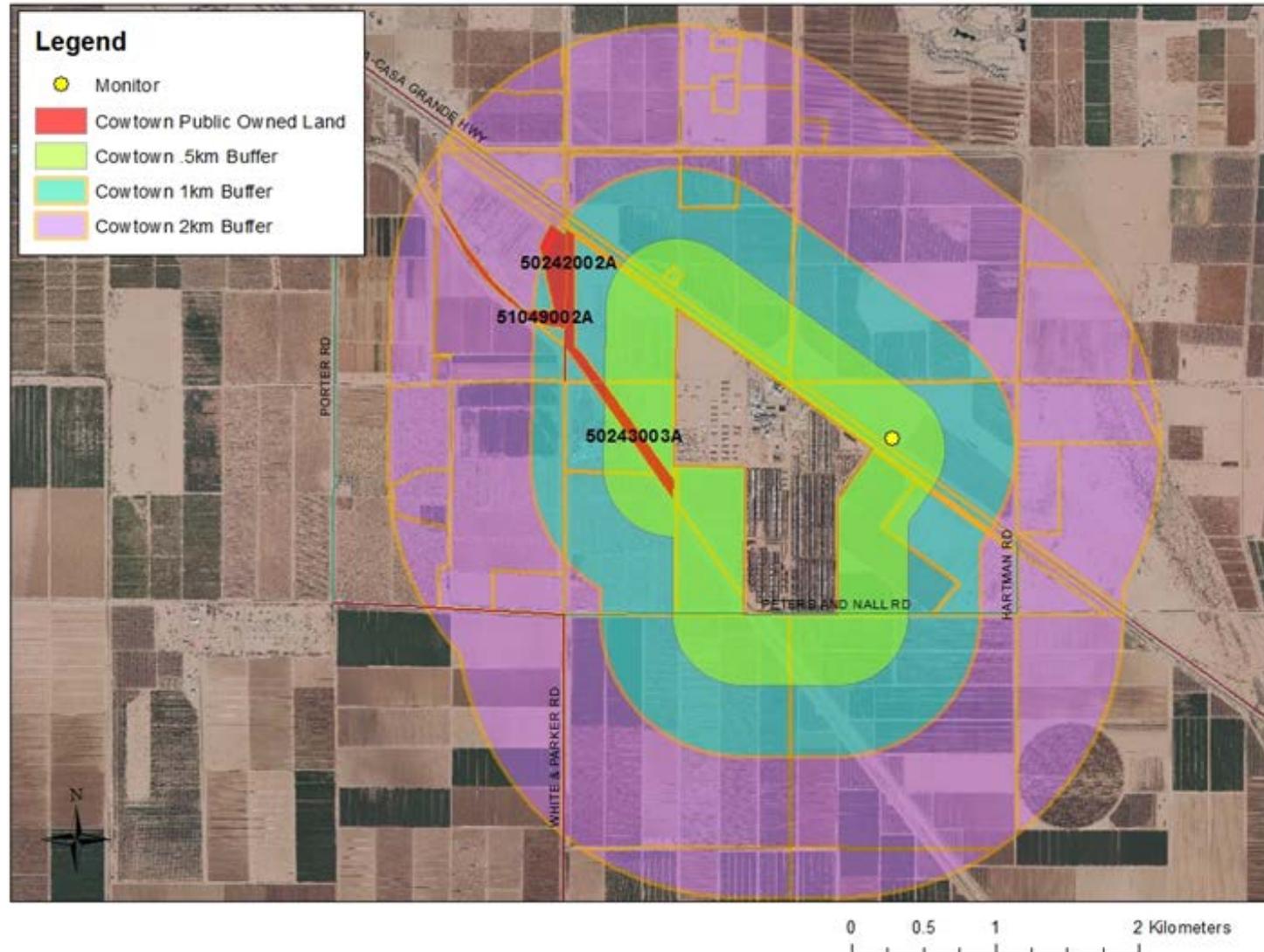
Process Timeline

- Identified candidate sites (2-3)
- Acquire study equipment (April 2014)
- Develop monitoring plan (draft In progress)
- Anticipate beginning field work May 2014
- Data evaluation process

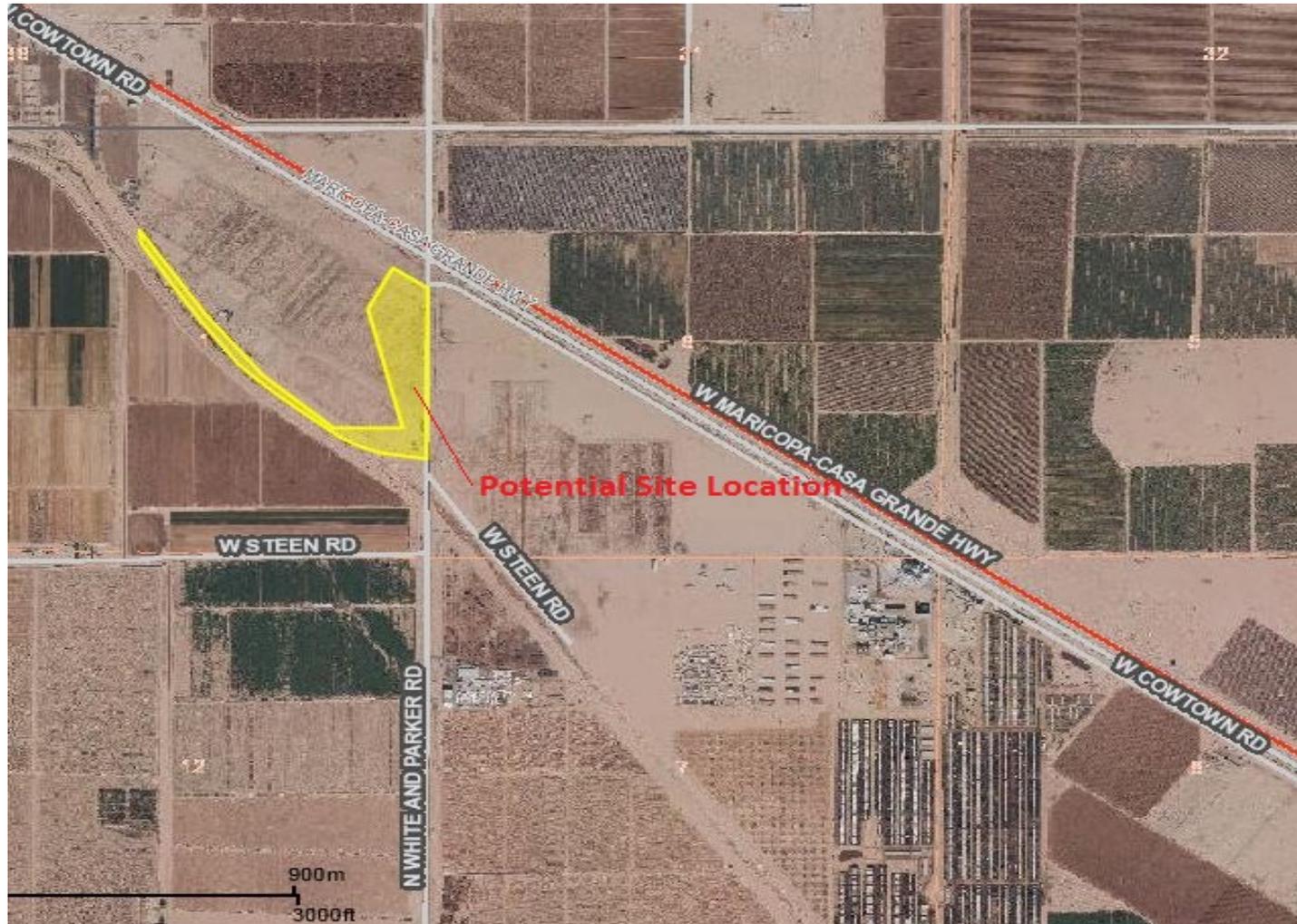
Study Sites – White & Parker

- West side of White & Parker Road South of Maricopa Casa Grande Highway
- Parcel Owned by the City of Maricopa
- City Council approved use April 1
- ROW Permit preferred for short term use
- Permit application process underway
- In a Flood Zone

White & Parker Site



White & Parker Site

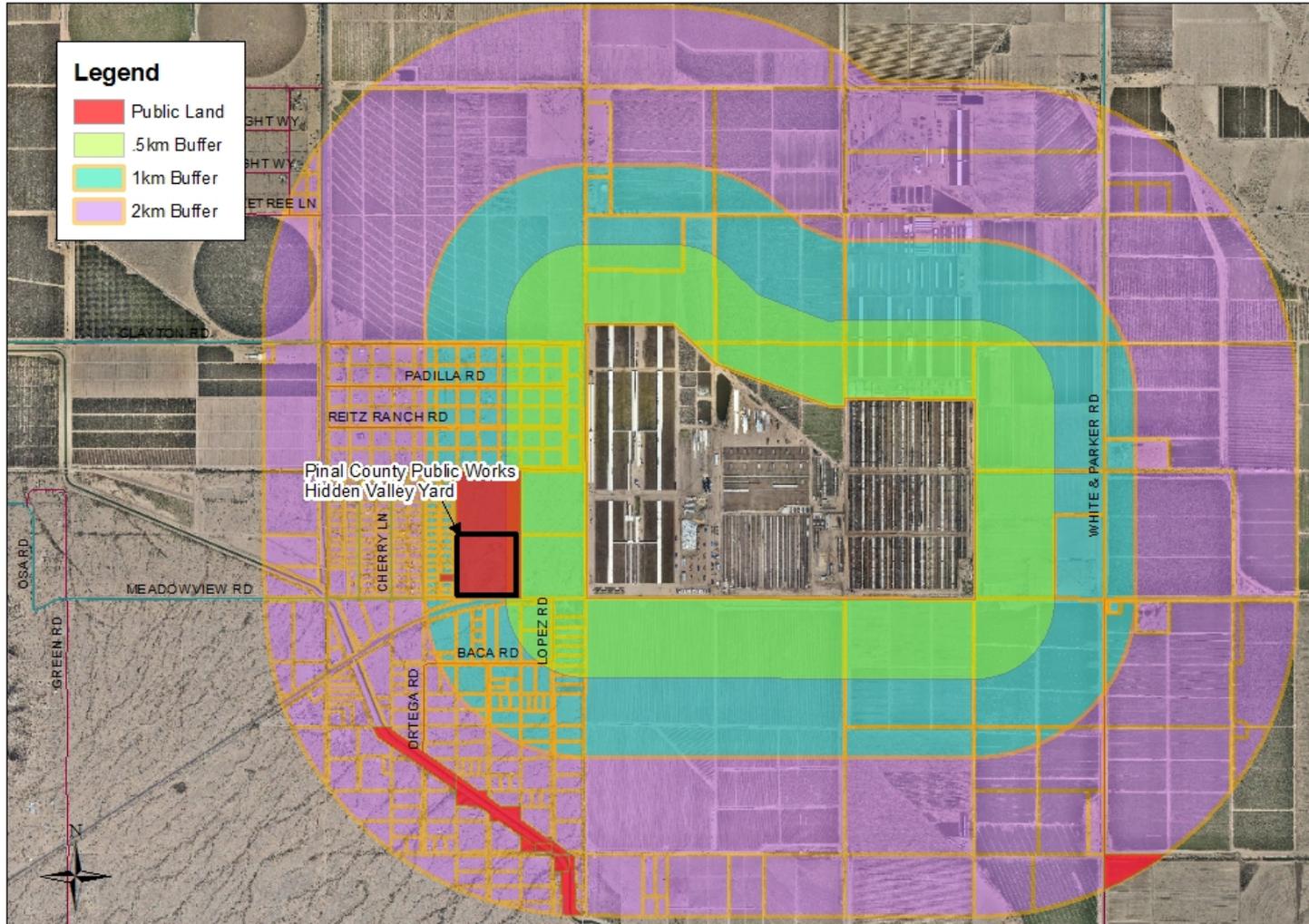


Study Sites – Hidden Valley

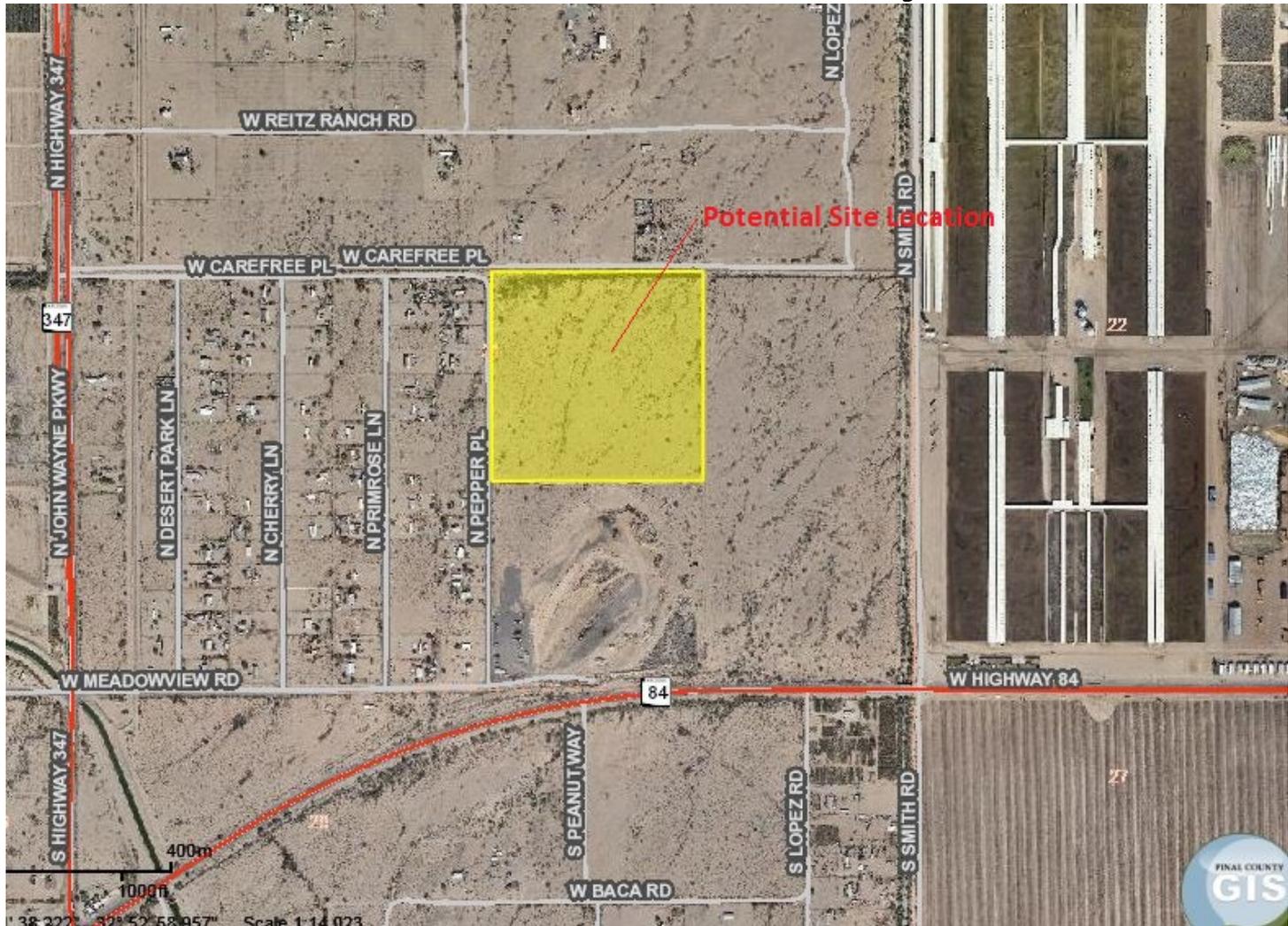
- Located North of the Hidden Valley Yard
- County property
- Access route will need to be established
- Public works will assist
- Large parcel with several location options

Hidden Valley

Pinal County Public Works Hidden Valley Yard



Hidden Valley



Study Sites – City Hall

- We are investigating a 3rd site near the Maricopa City Hall
- More work required to find usable site
- Coordinating with City Staff

Upcoming Air Quality Items

PM10 Non-attainment Plan (SIP)

- Emission Inventory & Modeling have identified sources contributing to PM10
- Includes windy days and stagnant days
 - Unpaved roads
 - Cleared areas
 - Construction activity
 - Agriculture
 - Open areas

Upcoming Air Quality Items

- Pinal County rule revisions are necessary
 - Revision to our Construction Dust permitting rule
 - Revision to our General Fugitive Dust rule
 - Approach to address unpaved roads

Upcoming Air Quality Items

Stationary Source Permitting Rules

(New Source Review or “NSR”)

- Air Quality must revise a number of our permitting rules for Major sources
- Required to reflect recent changes to Federal and State rules.
- Several minor changes in the short term
- Larger rule revision will be done over the next 18 months

Future review of permit fees (industrial, dust, open burning)

Questions ?

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