

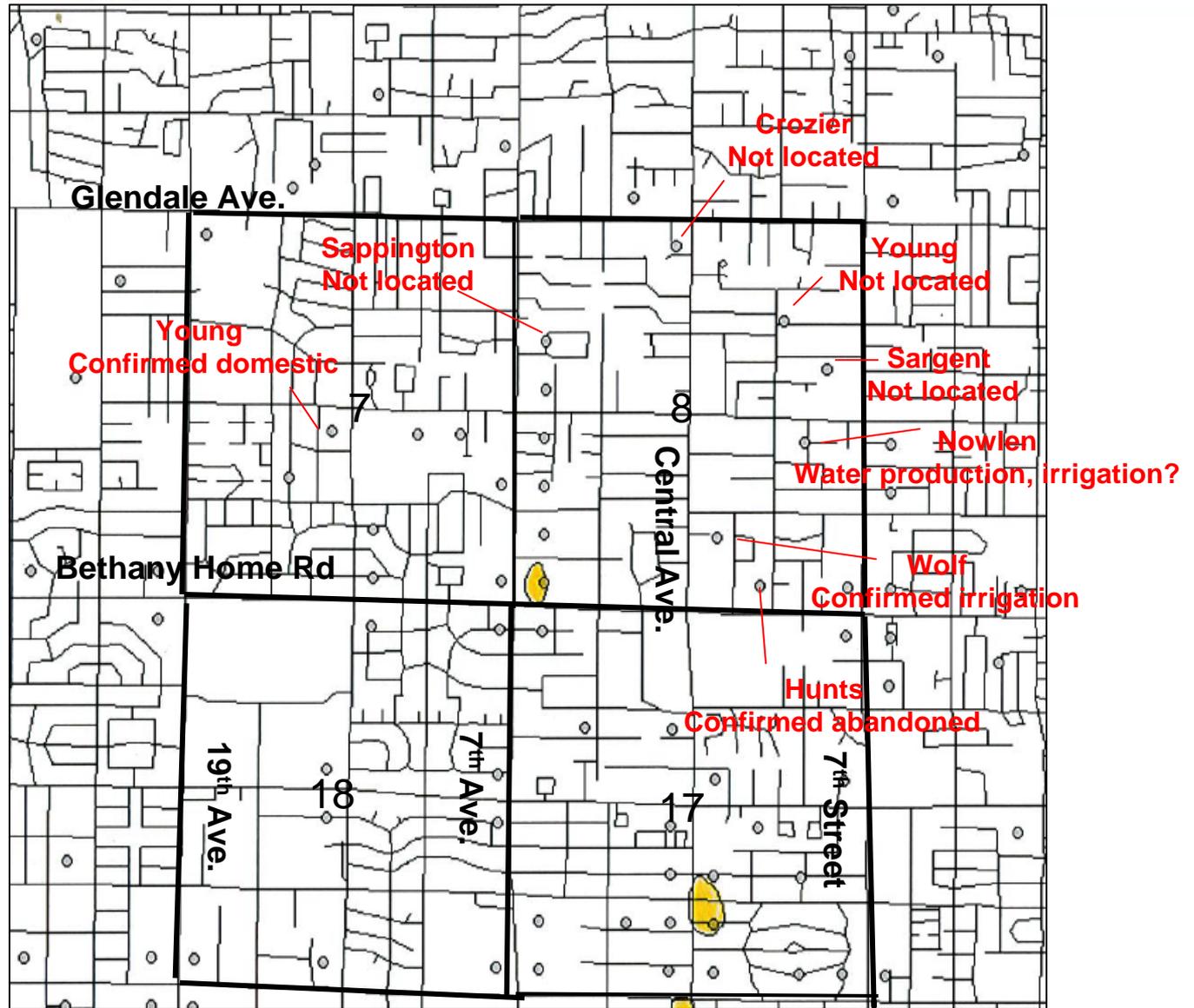


# 7th Avenue and Bethany Home Road Water Quality Assurance Revolving Fund Site

September 1, 2010

- Well survey report completed July 2008.
- In Sections 7 and 8, the sections adjacent to and including the Site, seven wells with private ownership are included in the ADWR database.
- ADWR makes several attempts to contact private well owners. When an address is available, an information request form is placed on the door at least two times.
- Of the seven wells, two were confirmed, one was confirmed as abandoned and four were not located.
- A well not located during the field verification is not conclusive evidence that the wells do not exist.
- One well, Nowlen, was drilled after the well survey with the intended use listed as water production.

# ADWR Database 7<sup>th</sup> Avenue and Bethany Home Road





## Comments to Remedial Investigation Report

- Other than the comments from the CAB and CAB members, no other comments were received on the Draft Remedial Investigation (RI) Report.

- Arizona Administrative Code (A.A.C.) R18-16-406(D), specifies that reasonably foreseeable uses of land are those likely to occur at the site. Reasonably foreseeable uses of water are those likely to occur within one hundred years.
- Remedial Objectives (ROs) A.A.C. R18-16-406(I)(4), are established for the current and reasonably foreseeable uses of land and beneficial uses of waters of the state.
- ROs are the clean-up goals determined for a specific site.
- ROs will be framed as uses of a resource to be protected, when the use needs to be available and how long a specific use might be needed by the affected public.
- ROs must be determined with input and discussion with land owners, local governments, water providers, and the public including the CAB members for the site.

- ROs are accepted by the Department both verbally (in the context of the public meeting) and written.
- ROs shall be generally consistent with the water management plans and general land use plan.
- After the comment period ends, ADEQ will prepare a preliminary RO report that will have a public comment period.
- ADEQ will then finalized the RO report with the public input and responsiveness summary's attached.
- ADEQ will then complete the Final RI report that includes the proposed ROs and responsiveness summary for the 7<sup>th</sup> Avenue and Bethany Home Road WQARF site.
- Comments must be received by 5:00pm on September 24, 2010, for this part of the RO solicitation process.

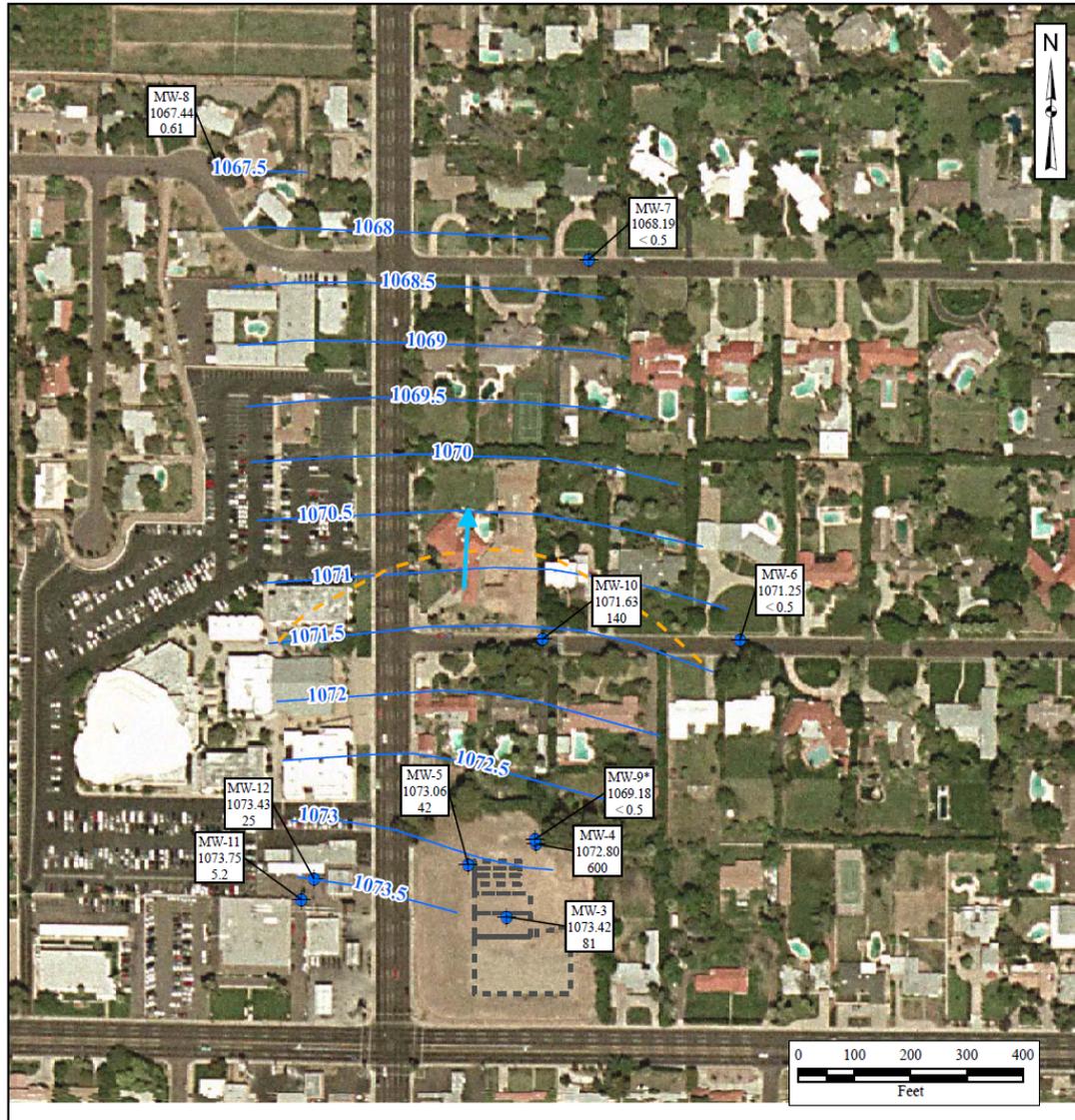
- The ROs chosen for the site will be evaluated in the feasibility study (FS) phase of the WQARF process. R18-16-407(A) indicates the feasibility study is a process to identify a reference remedy and alternative remedies that appear to be capable of achieving remedial objectives and to evaluate them based on a comparison criteria included in Arizona Revised Statutes (A.R.S.) §49-282.06.
- A.R.S. §49-282.06 (A) indicates the remedial actions shall:
  - Assure the protection of public health and welfare and the environment.
  - To the extent practicable, provide for the control, management or cleanup of the hazardous substances in order to allow the maximum beneficial use of the waters of the state.
  - Be reasonable, necessary, cost-effective and technically feasible.

- A.R.S. §49-282.06 (4)(b) indicates: For remediation of waters of the state, the selected remedial action shall address, at a minimum, any well that at the time of selection of the remedial action either supplies water for municipal, industrial, irrigation or agricultural uses or is part of a public water system if the well would now or in the reasonably foreseeable future produce water that would not be fit for its current or reasonably foreseeable end uses without treatment due to the release of hazardous substances.
- A.R.S. §49-282.06 (D) indicates ...the director may approve a remedial action that may result in water quality exceeding water quality standards after the completion of the remedy if the director finds that the remedial action meets the requirements of this section.

- The FS will evaluate specific remedial strategies and remedial measures capable of achieving all of the remedial objectives and propose a reference remedy and at least two alternative remedies.
- A.C.C. 18-16-407 indicates where appropriate, the reference remedy and an alternative remedy may incorporate different strategies for different aquifers or portions of aquifers.
- Possible remedial strategies are discussed in A.C.C. 18-16-407(F) and include:
  - Plume remediation is a strategy to achieve water quality standards for contaminants of concern in waters of the state throughout the site.
  - Physical containment is a strategy to contain contaminants within definite boundaries.
  - Controlled migration is a strategy to control the direction or rate of migration but not necessarily to contain migration of contaminants.

- Source control is a strategy to eliminate or mitigate a continuing source of contamination.
- Monitoring is a strategy to observe and evaluate the contamination at the site through the collection of data.
- No action is a strategy that consists of no action at the site.

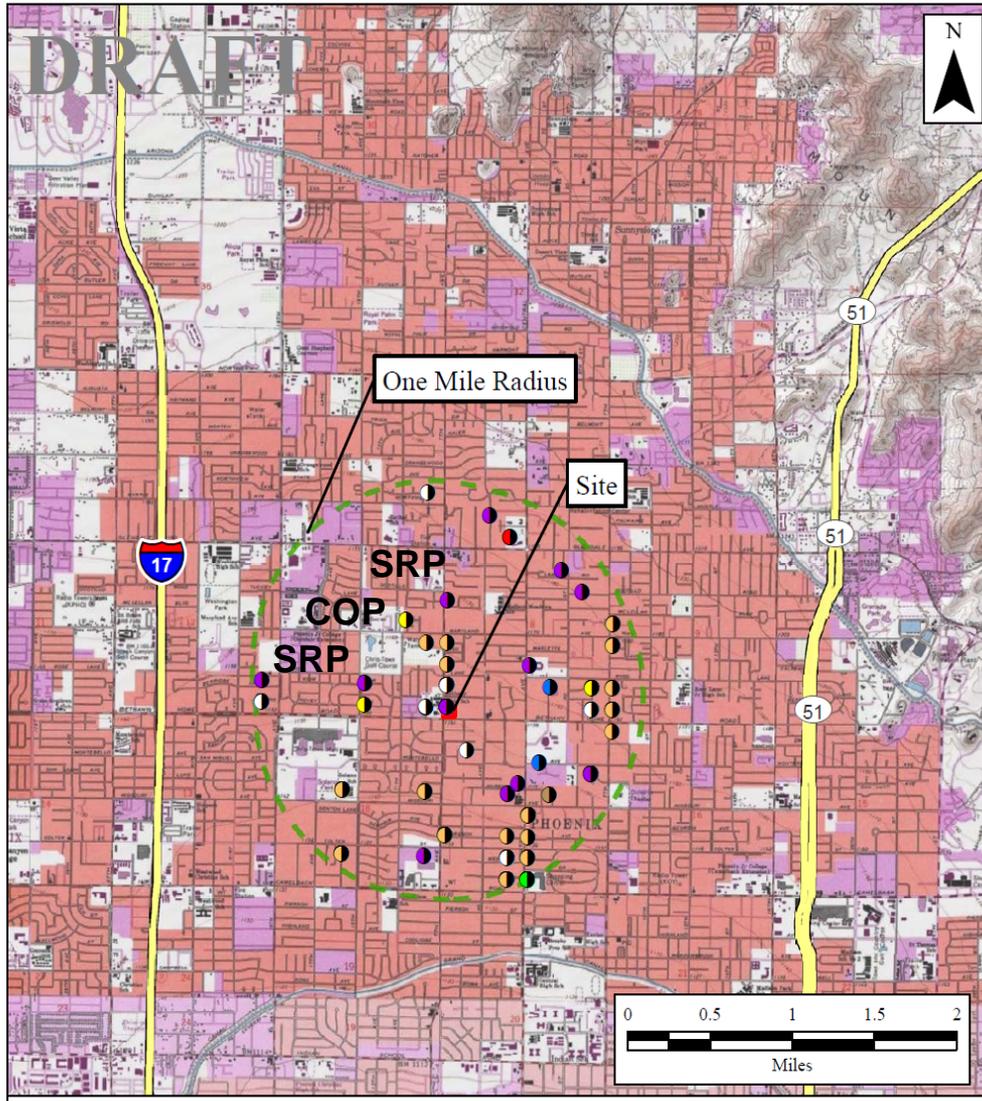
# 7th Avenue and Bethany Home Road WQARF Site groundwater contamination



\* MW-9 GW elevation not used for contouring. MW-9 is approximately 10 feet north of MW-4

Note: 0 cmpl. feet above mean sea level

# 7th Avenue and Bethany Home Road WQARF Site production wells near the Site



## Legend

ADWR Registry Well	●	MUNICIPAL
Water Use	●	OTHER - PRODUCTION
●	●	REMEDIATION
●	●	STOCK
●	●	TEST
●	●	MONITORING

Example RO comment: “ I would like the site cleaned so that a child care center can be built on site without risks to the children”

When you are called on, please state the following:

Name

Organization/Company

Address

Phone and email

Summarize your Comment

Please remember, all comments must be received by 5:00pm on September 24, 2010.

Questions?

# Contact Information

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