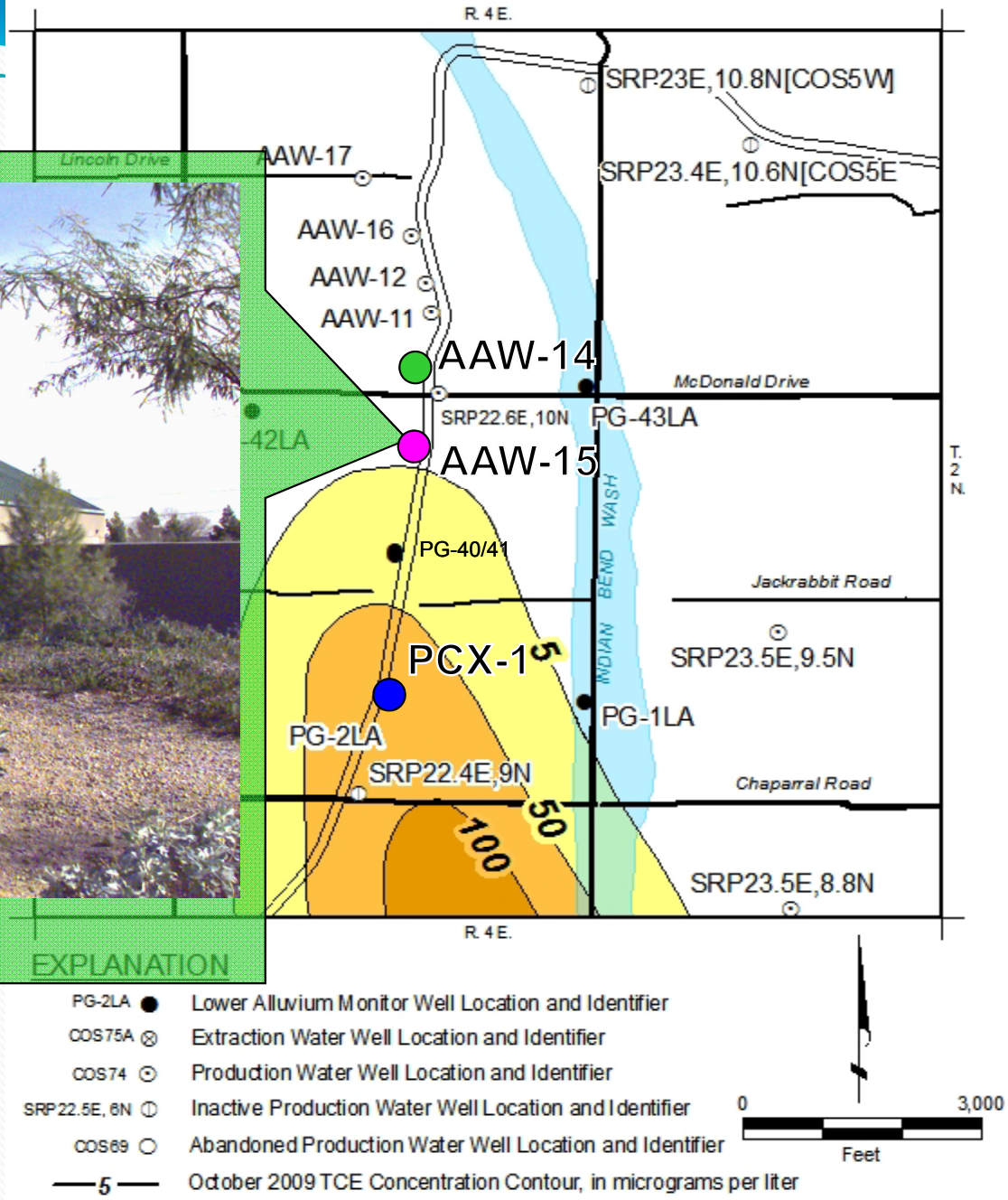
OVERVIEW OF
MILLER ROAD TREATMENT FACILITY
LONG-TERM MEASURES

North
Indian Bend Wash
Superfund Site

NIBW Participating Companies
February 9, 2011

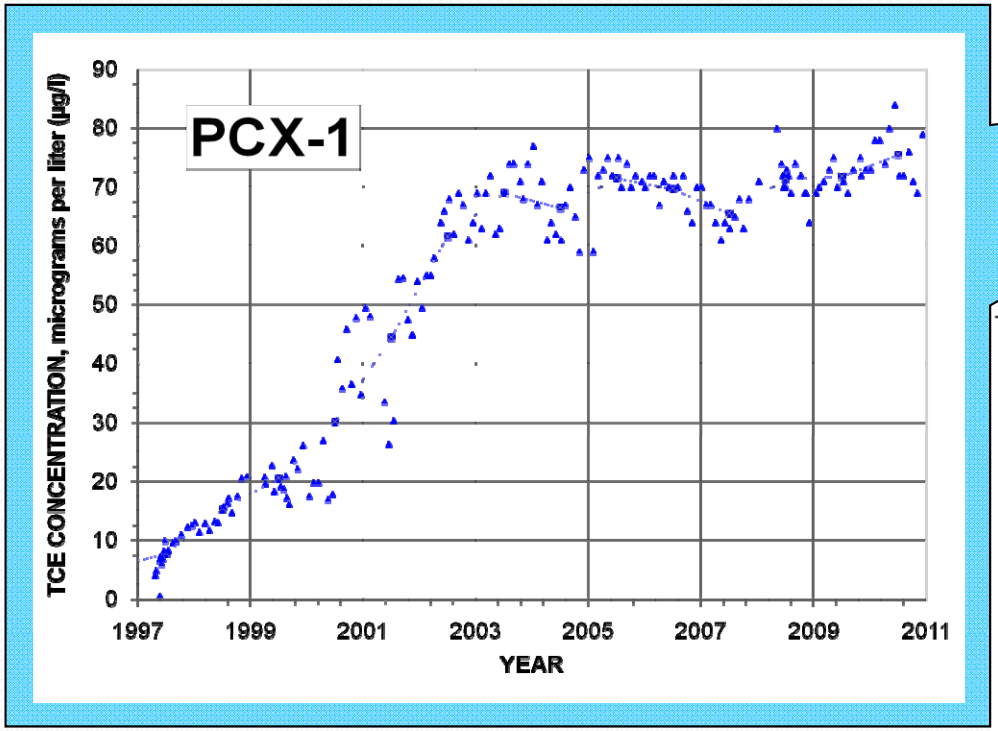
Northern NIBW Groundwater Remedy

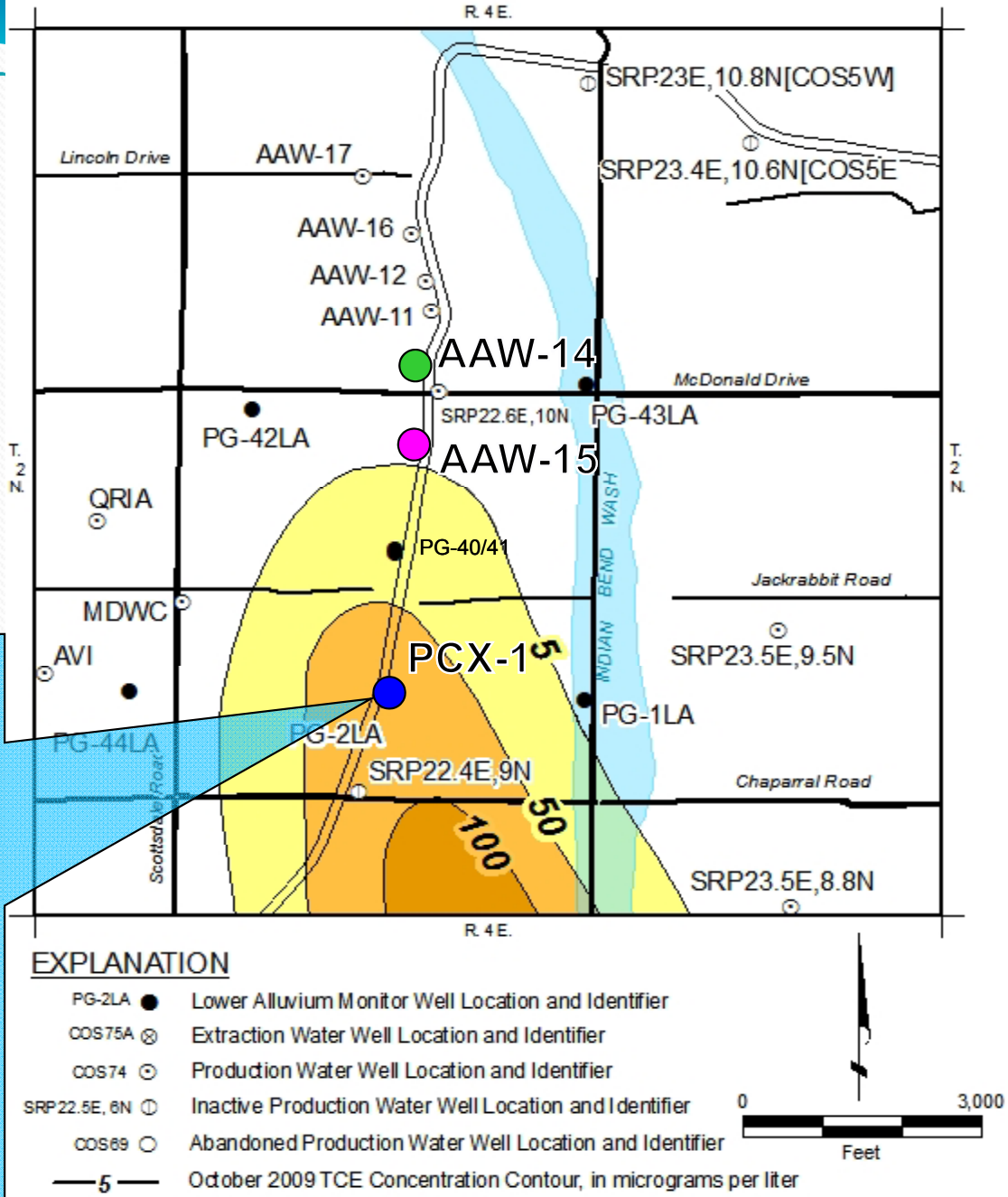
- Coordinated pumping to contain the TCE plume in lower aquifer (Lower Alluvial Unit)
  - Prioritize pumping of MRTF extraction wells
  - Manage pumping of other wells to contain plume within influence of MRTF extraction wells
- Groundwater treatment by air stripping to remove VOCs at MRTF
- Cost for all remedial actions paid by the NIBW Participating Companies



TCE CONCENTRATIONS IN NORTHERN LOWER ALLUVIAL UNIT EXTRACTION WELLS

North Indian Bend Wash Superfund Site





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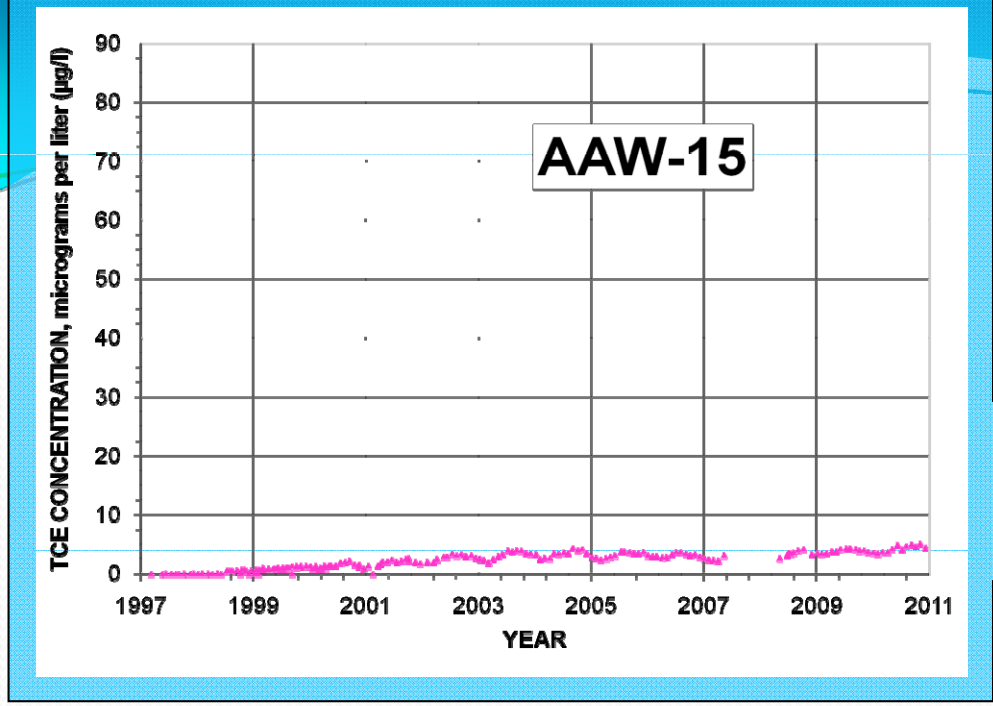

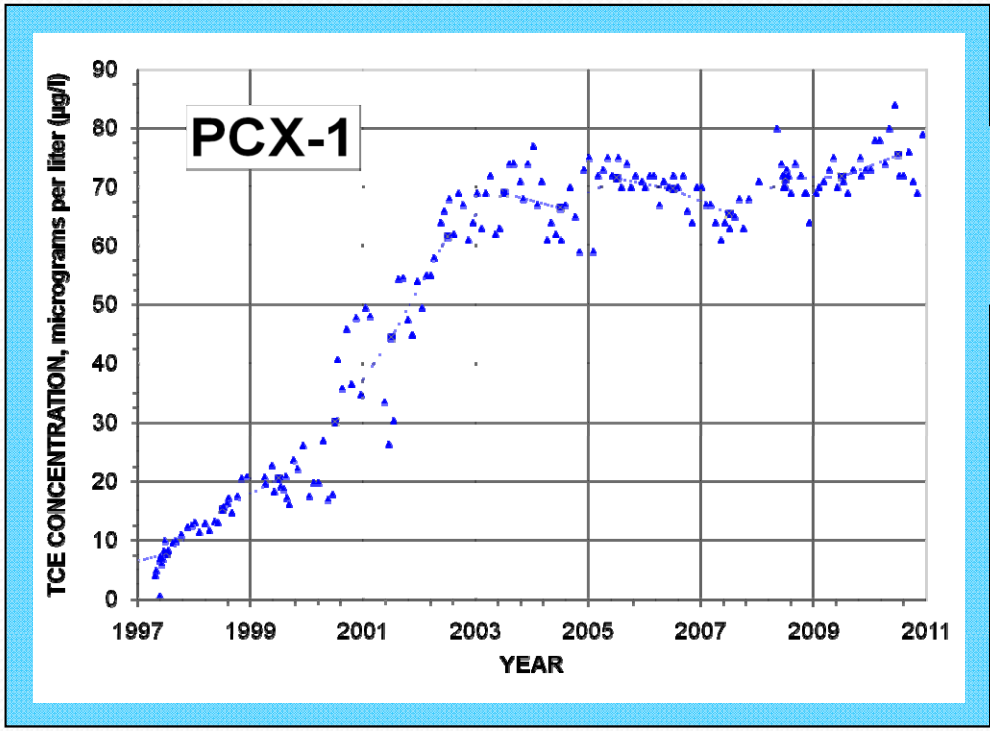

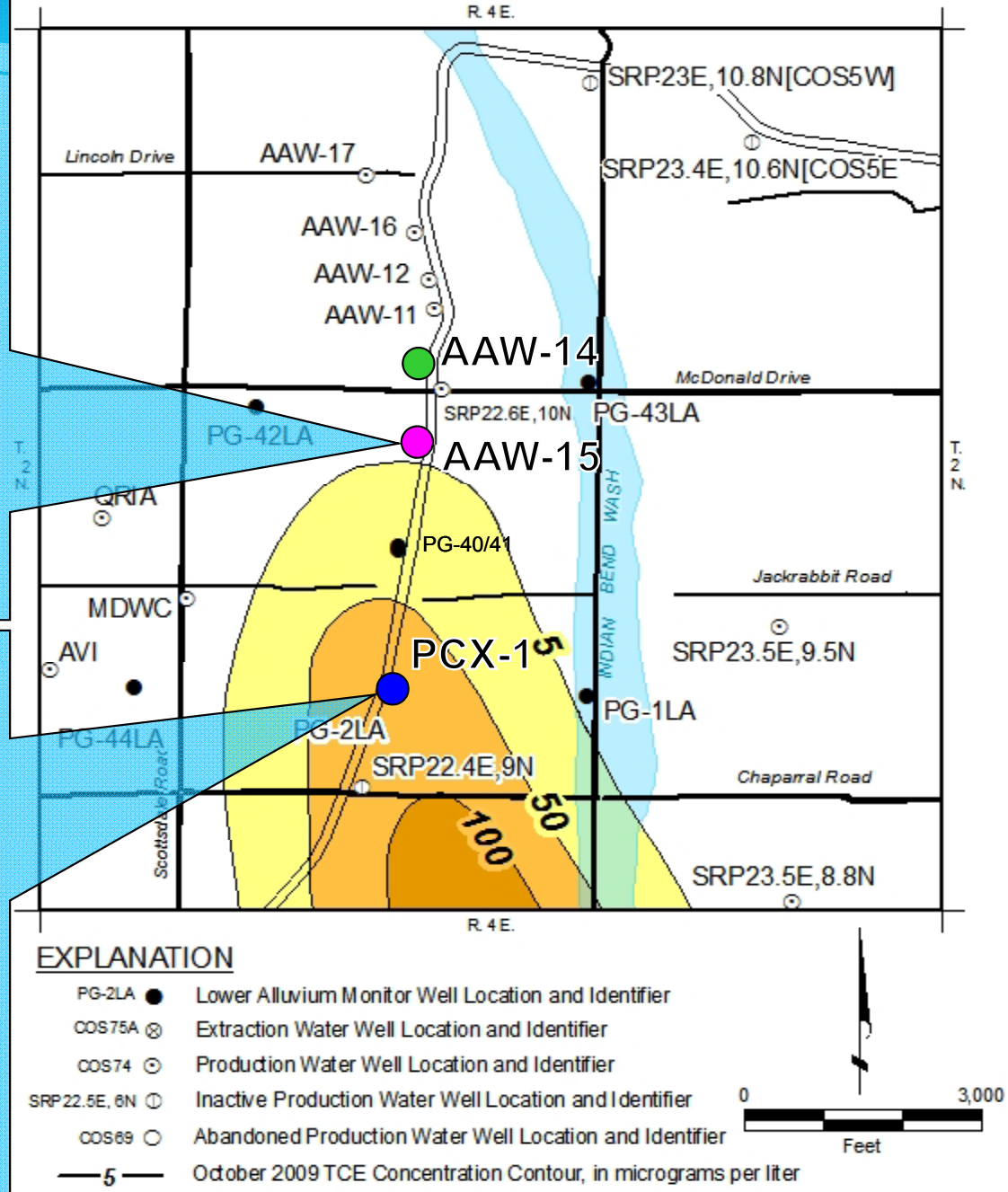

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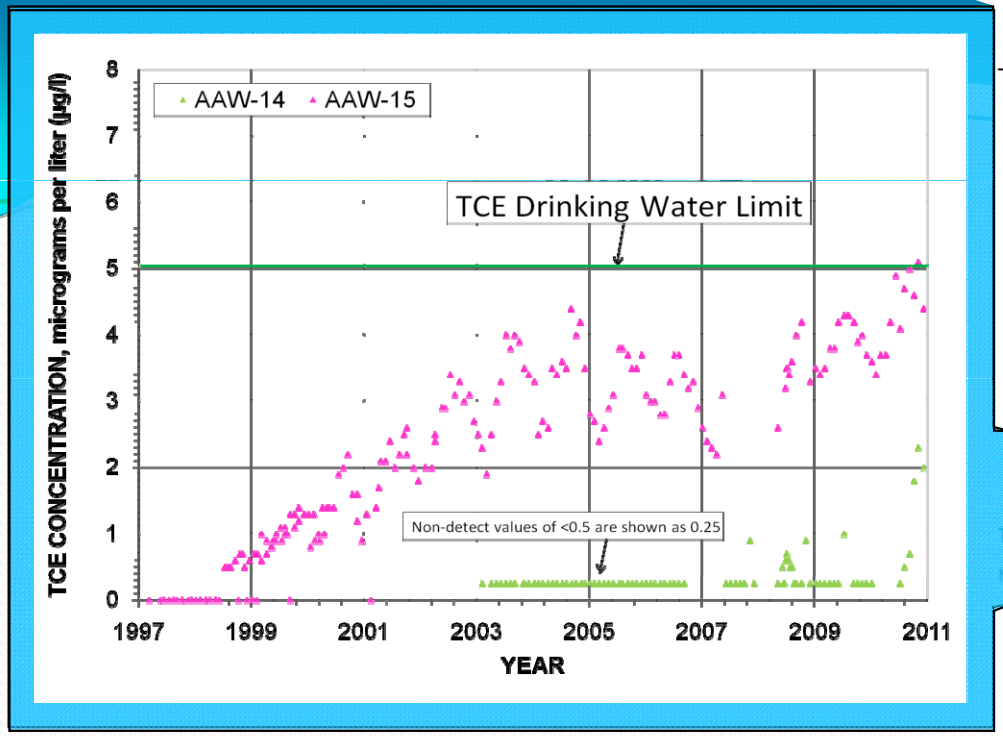

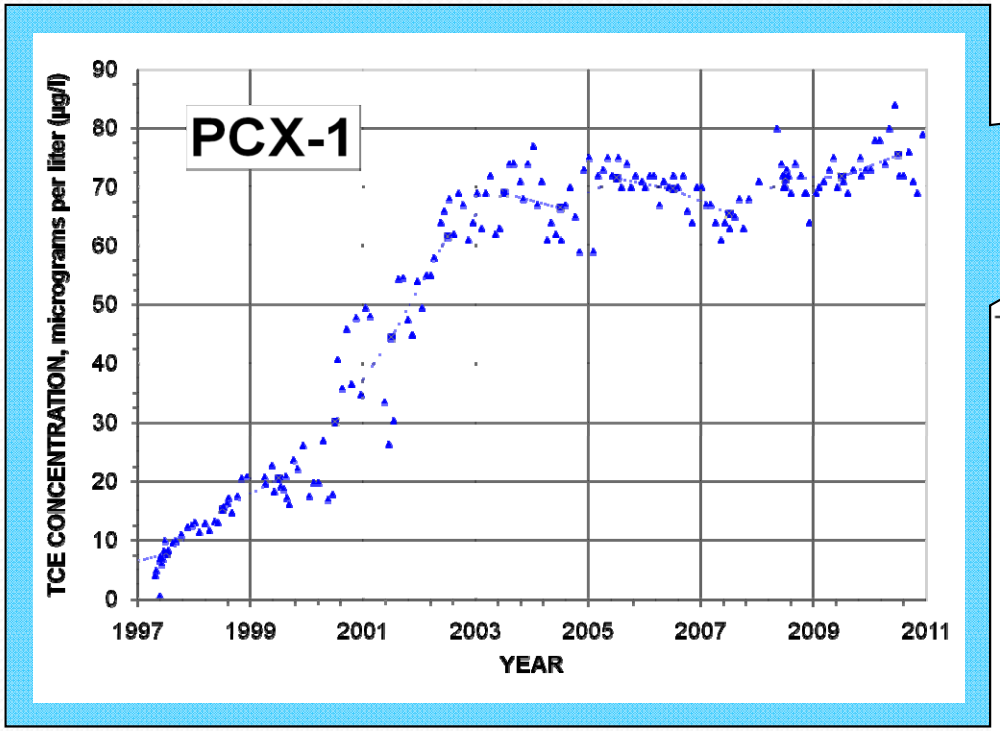

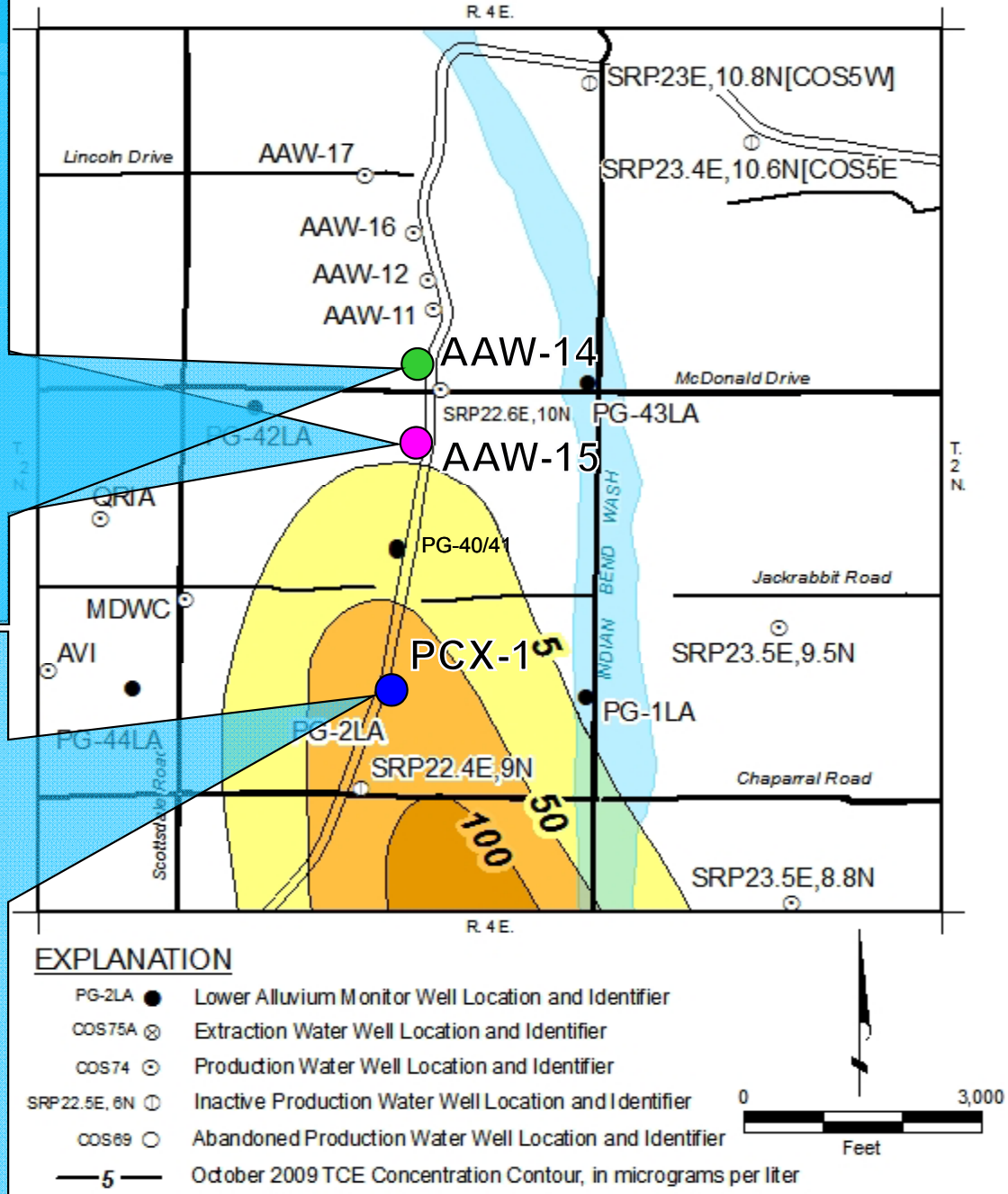

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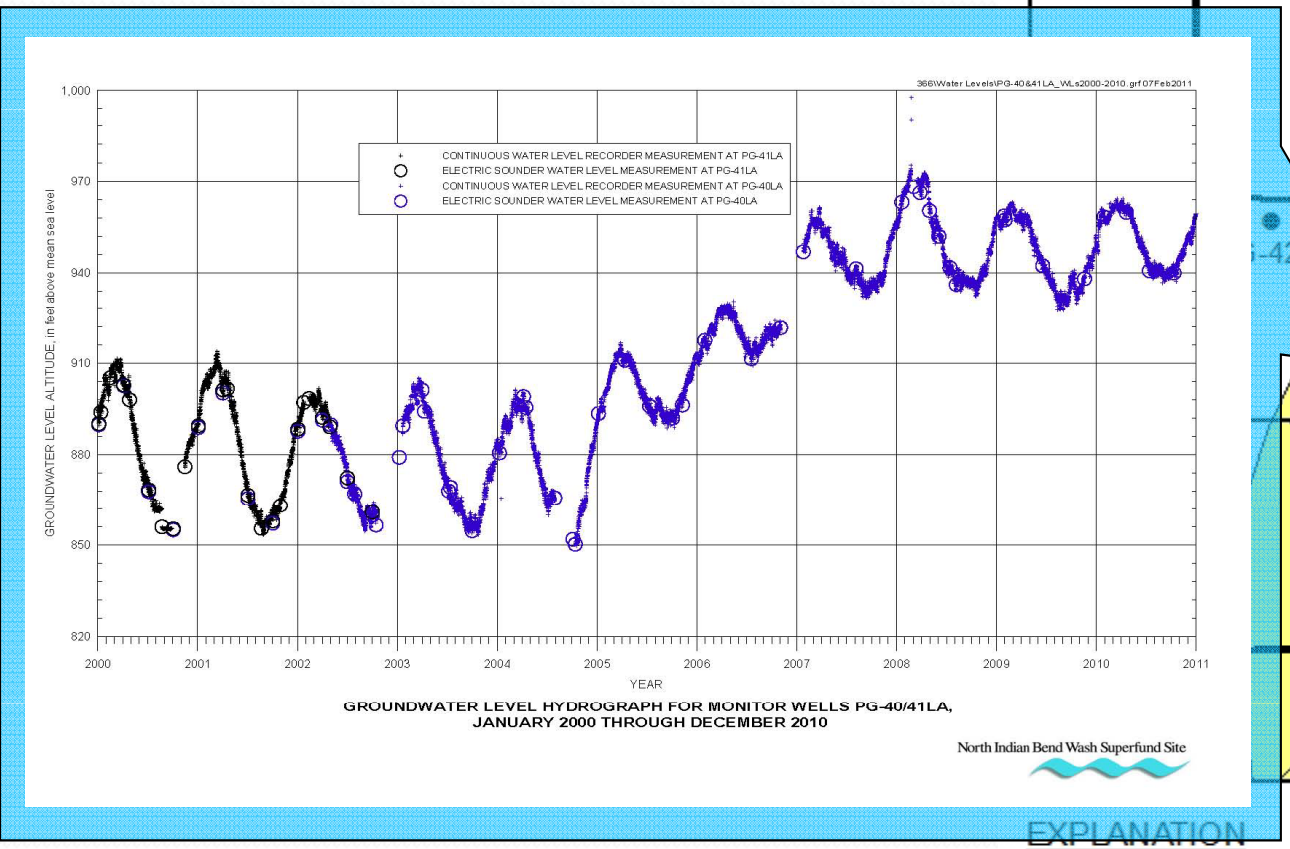

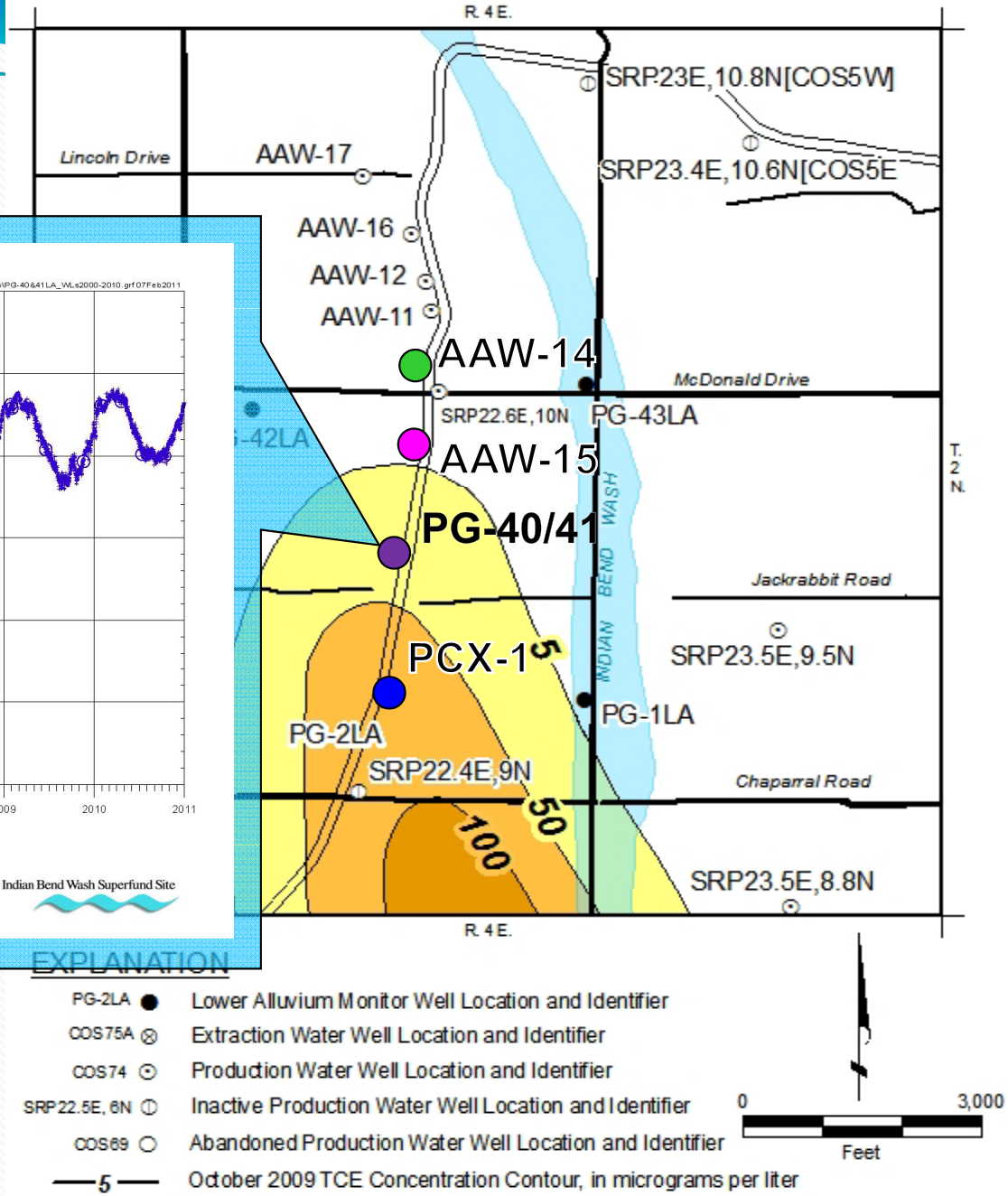

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What are MRTF Long-Term Measures?

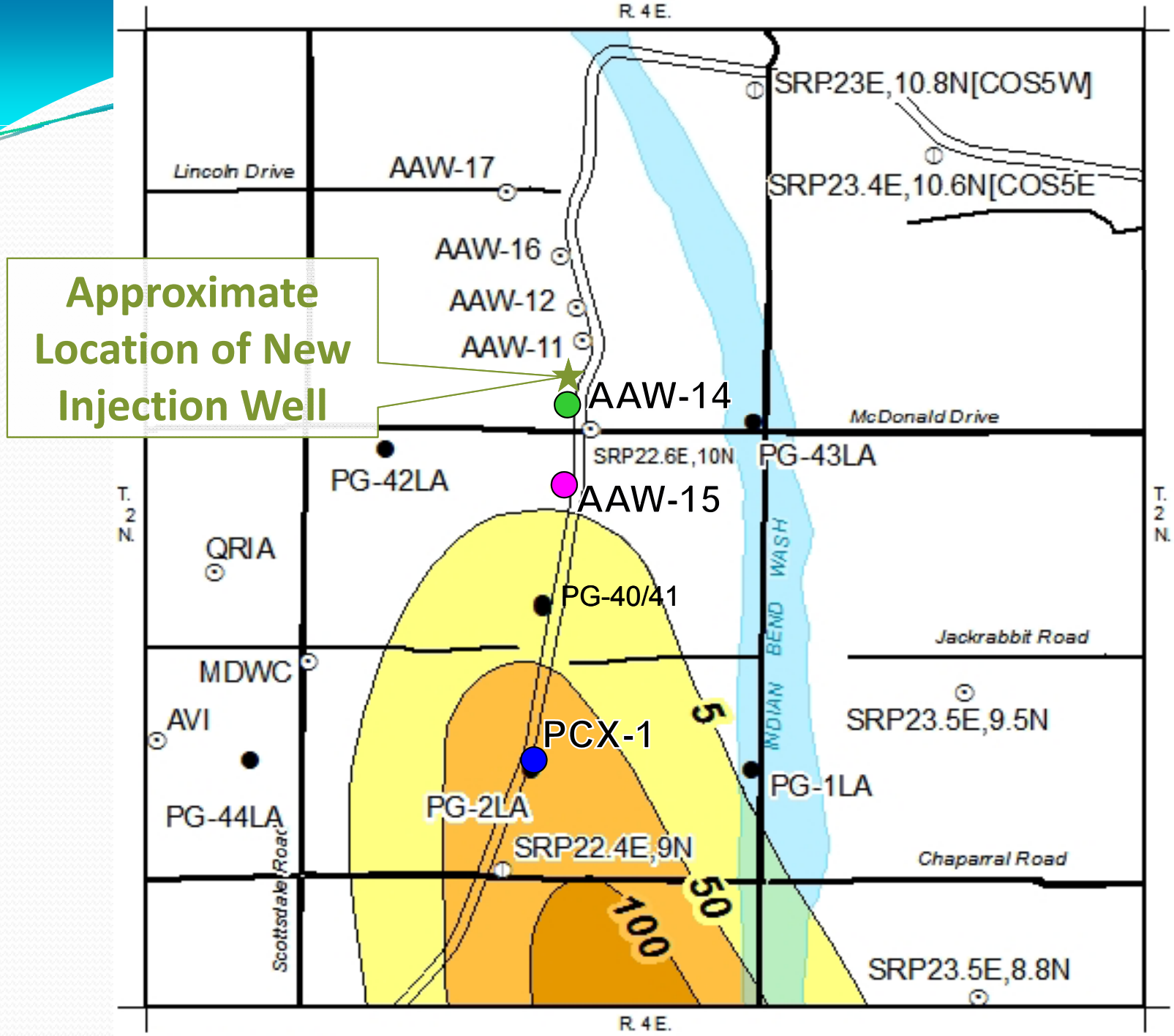
- Plan includes enhancements for the NIBW northern area groundwater remedy
- Plan is focused on coordination of pumping, treatment, and alternate end use of remediated water from PCX-1 treated at MRTF
- Consensus plan accepted by all parties, including EPA, ADEQ, COS, AAW, SRP, and NIBW PCs

MRTF Long-Term Measures

- MRTF operation/control system improvements (completed in March/April 2008)
- Wells PV-15 and PV-14 currently treated at MRTF by Arizona American Water for use in AAW system
- Well PCX-1 treated at MRTF by NIBW PCs with primary use by SRP
- New injection well to recharge PCX-1 treated water to LAU when SRP does not require groundwater supply

New Injection Well

- Provides alternative end use for treated PCX-1 water to enhance the northern LAU remedy and augment local groundwater resources
- Construct new injection well on west bank of Arizona Canal, north of McDonald Drive
- Well installation will require large drill rig and 24/7 operation for approximately 10 weeks
- Anticipate well installation in 4th Quarter 2011



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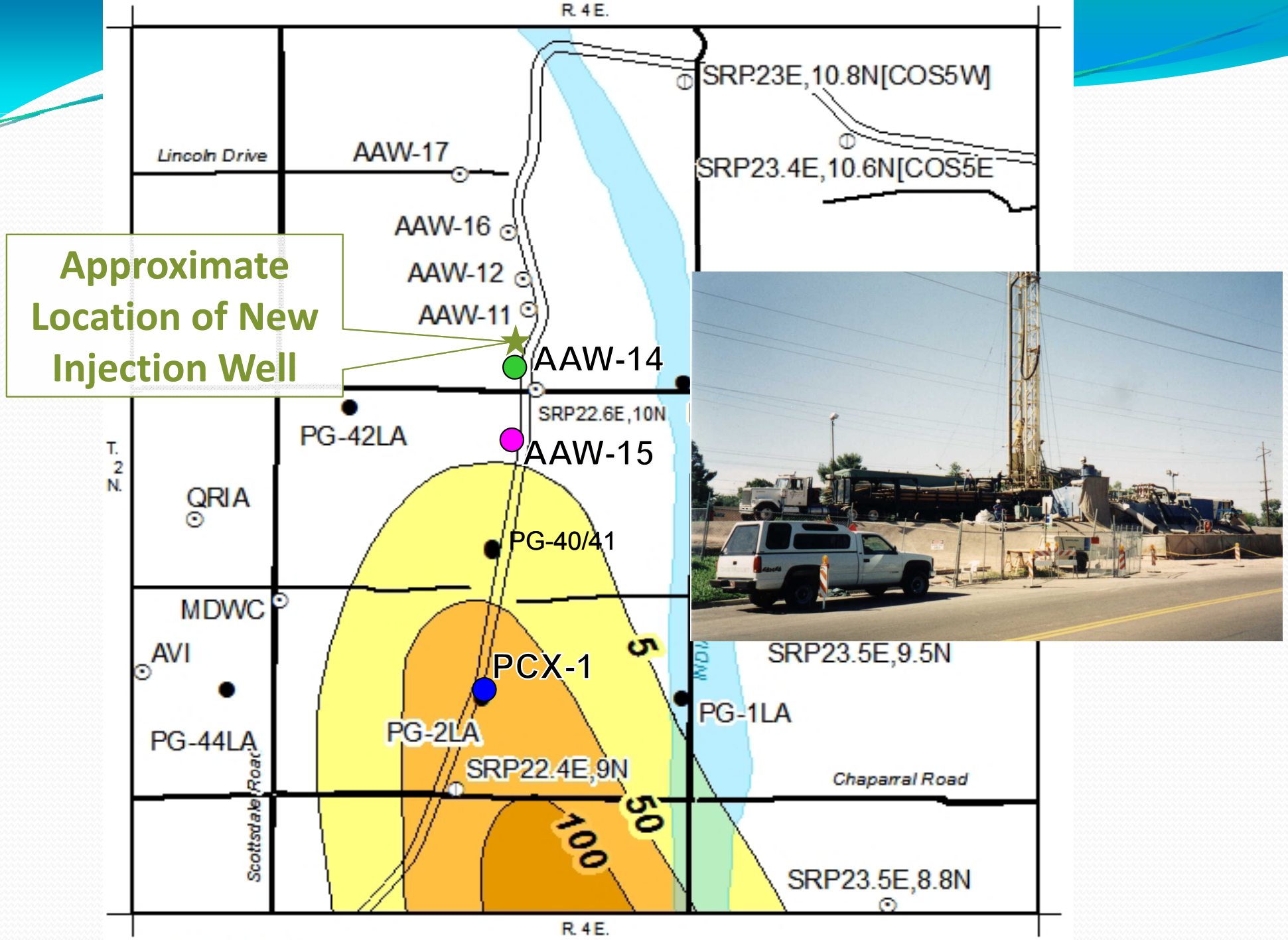

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