

# APPENDIX D

**APPENDIX D: RURAL WATERSHED PARTNERSHIPS ISSUE SUMMARY (2008)**

<b>SOUTHEASTERN ARIZONA PLANNING AREA</b>			
<b>Watershed Partnership</b>	<b>Primary Participants</b>	<b>Projects &amp; Accomplishments</b>	<b>Issues</b>
<b>Community Watershed Alliance/ Middle San Pedro Watershed</b>	<p>Cochise County Benson</p> <p>J-Six Mescal HOA St. David Irrigation District Pomerene Irrigation District Local Citizenry</p> <p>TNC</p> <p>ADWR            NRCDC ADEQ            Coop Extension</p> <p>USGS            USDA/ARS</p> <p>USGS            USBoR</p>	<ul style="list-style-type: none"> <li>• Cursory groundwater study completed.</li> <li>• AMA evaluation completed.</li> <li>• Active agricultural fields identified and surveyed</li> <li>• HSR completed</li> <li>• 7-year comprehensive groundwater study and numeric model development initiated.</li> <li>• Completed Watershed Based Plan</li> <li>• Obtained TRIF Grant to conduct groundwater age dating</li> </ul>	<ul style="list-style-type: none"> <li>• Growth proposed in the Benson area</li> <li>• Limited groundwater data</li> <li>• Different perceptions of issues and goals within the area between Benson, irrigation districts, local citizenry, and the Upper San Pedro Partnership</li> <li>• Unable to get principle players to the table to discuss water</li> <li>• Unregulated lot splits</li> <li>• New arsenic drinking water standard</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> <li>• ESA issues</li> <li>• Superfund site/poor quality groundwater conditions</li> <li>• Potential impact of adjudication court subflow definition</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> <li>• Mandatory water adequacy required for all new subdivisions</li> </ul>
<b>Eagle Creek Partnership</b>	<p>Local ranchers &amp; special interest groups</p> <p>ADWR</p>	<ul style="list-style-type: none"> <li>• Stream Reconnaissance study completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Little or no groundwater data available</li> <li>• Unresolved Indian water rights settlements</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> </ul>
<b>Gila Watershed Partnership</b>	<p>Safford            Thatcher Pima                Graham County Greenlee County Duncan</p> <p>ADWR            AZG&amp;F</p>	<ul style="list-style-type: none"> <li>• Fluvial Geomorphology Study</li> <li>• Completed water demand study</li> <li>• Capped several saline wells contributing to the degradation in water quality of the Gila River</li> </ul>	<ul style="list-style-type: none"> <li>• Indian water rights settlement issues</li> <li>• Poor quality surface and groundwater</li> <li>• Growth associated with new Phelps Dodge mine and unregulated lot splits</li> <li>• ESA issues throughout the watershed, critical</li> </ul>

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	ADEQ BLM USBoR	Coop Extension USFS NRCS/RCD	<ul style="list-style-type: none"> <li>• Resin bush eradication project completed.</li> <li>• Obtained several DEQ 319 grants for Gila River related projects</li> <li>• Initiated San Simon legacy database project</li> <li>• Completed Watershed Based Plan</li> <li>• Completed Point of Pines restoration project</li> <li>• Awarded several Water Protection Fund grants</li> </ul>	<ul style="list-style-type: none"> <li>• habitat designation, and mitigation efforts</li> <li>• Desire to maintain rural setting and especially maintaining agriculture at current or higher levels</li> <li>• Lack of technical data on the groundwater system</li> <li>• Invasive species issues impacting the surface water supply (tamarisk)</li> <li>• Potential impacts of adjudication court subflow definition</li> <li>• New arsenic drinking water standard</li> <li>• Drought impacts on surface water supplies, agriculture and cattle ranching</li> <li>• Numerous high hazard unsafe dams in area</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> <li>• Regular flooding in the Duncan-Virden area</li> </ul>
<b>Lower San Pedro Watershed Partnership-Redington NRC</b>	Redington Local ranchers	Cascabel NRCD/RCD	<ul style="list-style-type: none"> <li>• Watershed reconnaissance study completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Unresolved adjudication and Indian water rights settlement issues</li> <li>• Little or no groundwater data</li> <li>• Opposition to government assistance in obtaining groundwater information</li> <li>• Potential impacts of adjudication court subflow definition</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> </ul>
<b>Upper San Pedro Partnership</b>	Sierra Vista Cochise County City Bisbee TNC	Ft. Huachuca Huachuca Tombstone Huachuca	<ul style="list-style-type: none"> <li>• Comprehensive groundwater study</li> <li>• Completed numeric groundwater model</li> <li>• Decision Support System model completed.</li> </ul>	<ul style="list-style-type: none"> <li>• Impacts on endangered species</li> <li>• Federal mandate to achieve sustainability by 2011</li> <li>• Lawsuits from environmental groups</li> <li>• Anticipated growth</li> <li>• Potential impacts on riparian regime by continuation of current pumping</li> </ul>



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	Audubon Bella Vista Water  ADWR            ADEQ AACD            NRCD State Land  USF&W            USFS BLM                USDA/ARS USGS                USBoR Coronado National Monument	<ul style="list-style-type: none"> <li>• San Pedro Riparian National Conservation Area Water Demand study</li> <li>• Recharge study of detention basins completed</li> <li>• Engineering design to transfer effluent from Huachuca City to Ft. Huachuca for treatment and recharge completed</li> <li>• Bisbee wastewater treatment plant for use by Turquoise Valley golf course completed.</li> <li>• Second iteration of water conservation &amp; management plan completed.</li> <li>• Section 321 Report to Congress annually submitted.</li> <li>• Funded more than \$1,000,000 in conservation projects in watershed.</li> <li>• Conduct public outreach and educational forums</li> <li>• Completed Water Supply Appraisal study.</li> <li>• Introduced Congressional Bill to obtain authority to conduct feasibility study</li> <li>• Preliminary Upper San Pedro Water District formed</li> </ul>	<ul style="list-style-type: none"> <li>• Political obstacles from potential water augmentation projects</li> <li>• Potential loss of Ft. Huachuca</li> <li>• Interbasin transfer prohibition</li> <li>• Potential impacts of adjudication court subflow definition</li> <li>• Pumping impacts by Mexico on the San Pedro River and downstream users</li> <li>• Unregulated lot splits</li> <li>• Limited funding resources for planning, projects, infrastructure and studies</li> <li>• High cost of augmentation projects</li> <li>• Mandatory water adequacy required for all new subdivisions</li> </ul>
<b>Willcox Playa Watershed Group</b>	Willcox Cochise County Cooperative Extension Local Citizenry	<ul style="list-style-type: none"> <li>• Initiated multiple year comprehensive groundwater study</li> </ul>	<ul style="list-style-type: none"> <li>• Approximately 100,000+ ac-ft of groundwater overdraft annually</li> <li>• Potential for subsidence</li> </ul>

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		<ul style="list-style-type: none"> <li>• Initiated the collection of relative gravity data</li> </ul>	<ul style="list-style-type: none"> <li>• Limited funding resources</li> <li>• Increased agricultural production</li> <li>• Little or no groundwater data</li> <li>• Water quality concerns</li> <li>• Mandatory water adequacy required for all new subdivisions</li> </ul>



