

Lower Santa Cruz River Basin Study
Teams and Sub-Teams Descriptions
October 18, 2016

The purpose of this document is to describe the responsibilities of the Teams and Sub-Teams for the LSCR Basin Study. The approved Plan of Study was the primary source used for the descriptions.

Project Team¹

The Project Team steers and guides the Study efforts such that the objectives of the Study are met in an effective, efficient manner, and within the Study's financial and time constraints. The Project Team will ensure that the tasks that relate to the Study are completed in a cost-effective, timely manner and are technically sound. Members of the Project Team provide the expertise, experience, and knowledge that relate to the Study's scope and objectives. Members include staff from Reclamation and staff from the non-Federal Cost-Share Partners, and other entities eligible to become Cost-Share Partners. The Co-Study Managers will lead the Project Team.

Sub-Teams²

Various Sub-Teams may be formed as needed to perform specific tasks. Sub-Team members provide specific expertise, information, knowledge and support required to perform these tasks. Sub-Team members are comprised of Project Team members, Reclamation staff and non-Federal Cost-Share Partners, and technical experts contracted by Reclamation or Cost-Share partners. Interested parties who are subject matter experts and not Cost-Share Partners may also participate on Sub-Teams, either through direct involvement or through external assistance and review of materials.

For consistency, members are asked to commit to participating fully during the task, as needed, throughout the study period.

Sub-Team leads are responsible for planning and holding Sub-team meetings. In addition, Sub-Team leads will provide both the Project Team and Outreach & Communications Team with regular updates. They will also keep the Co-Study Managers apprised of meetings, progress, feedback opportunities, and major decision points, to be included in public presentations and materials.

Climate Sub-Team³

The Climate Sub-Team will provide feedback to climate technical experts on the assumptions and parameters to be used in the development of climate projections. The Sub-Team will review and provide input on the Climate Technical Memorandum, based on feedback from the Project Team, technical experts and the public.

Municipal Sub-Team⁴

The Municipal Sub-Team will provide input on current and projected water demand for the municipal sector. The Sub-Team may include municipal water providers, users and knowledgeable stakeholders. The Municipal Sub-Team will provide input on:

¹ Task IV.A.1.b) Plan of Study

² Task IV.A.1.c) Plan of Study

³ Task V.A.1 Plan of Study

⁴ Task V.B. and V.E.4 Plan of Study

- 1) Geographical areas that are expected to continue to depend on groundwater for physical deliveries.
- 2) How CAP shortages will impact municipal water delivery and cost under different supply and demand scenarios.
- 3) If stored water is recovered, which geographical areas will recovery occur and how will groundwater levels be impacted
- 4) Direct use, long term storage and recovery of recycled water
- 5) Remediated water use and the geographic areas where it will be used

Agricultural Sub-Team⁵

The Agricultural Sub-Team will provide input on current and projected water demand for the agricultural sector. The Sub-Team may include agricultural interests and knowledgeable stakeholders. The Agricultural Sub-Team will provide input on:

- 1) Current and projected uses of water from the various sources of supply, such as groundwater, CAP and recycled water
- 2) Impacts due to shortages and/or the CAP Ag Pool reductions
- 3) Impacts of potential increases in agricultural groundwater use in Tucson Active Management Area and its impacts to groundwater levels
- 4) The type of water used by each farm and its proximity to these supplies and the supply's reliability

Industrial Sub-Team⁶

The Industrial Sub-Team will provide input on current and projected water demand for the industrial water sector, such as turf, power, sand and gravel. The Sub-Team may include land managers, industrial water users and knowledgeable stakeholders. The Industrial sector Sub-Team will provide input on:

- 1) Geographical areas where industry is expected to continue to rely on groundwater, CAP water, remediated water and recycled water
- 2) How CAP shortages will impact industry
- 3) If long term storage is recovered, which geographical areas will be impacted and how groundwater levels may change

Environmental Sub-Team⁷

The Environmental Sub-Team will provide input on current and projected water demand for the environment (i.e., riparian habitat), as well as provide input on environmental issues during the trade-off and adaptation measure phases of the study. The Sub-Team may include environmental sector representatives and knowledgeable stakeholders. The Environmental Sub-Team will provide input on:

- 1) Preservation of existing habitat under agreed upon scenarios
- 2) Needs and opportunities for future restoration
- 3) Opportunities for multi-benefit public projects using stormwater and recycled water
- 4) Preservation of riparian and aquatic habitat along the recycled water-dependent reach of the Santa Cruz River
- 5) Development of a reliable water supply for the environment

⁵Task V.B. and V.E.4 Plan of Study

⁶ Ibid

⁷ Ibid

Hydrologic Modeling Sub-Team (formerly Groundwater Modeling Sub-Team)⁸

The Hydrologic Modeling Sub-Team will provide input to Reclamation on the development of the surface hydrologic model to be used in the Study. In addition, they will advise the Project Team on the necessary modifications to the existing Tucson Active Management Area Regional Groundwater Model to appropriately represent the current status of water recharge and withdrawal.

Outreach & Communications Team⁹

The Outreach & Communications Team will be responsible for developing a public engagement plan, as detailed in Appendix II of the Plan of Study, and public awareness resources such as factsheets, presentations, and public meeting advertisements. The Outreach & Communications Team will organize annual, facilitated public meetings, and will be responsible for directing feedback from the public and Stakeholder Advisors to the Project Team and appropriate Sub-Team lead. The Outreach & Communications Team will also communicate results of technical memoranda to the public.

Stakeholder Advisors¹⁰

Stakeholder Advisors are members of the public and representatives of non-Cost-Share eligible parties who wish to provide input to the Project Team throughout the course of the Study. The Stakeholder Advisors will be coordinated through the Pima Association of Governments' Watershed Planning Subcommittee or Environmental Planning Advisory Committee. Public engagement efforts (i.e., public meetings, advertising materials, and the Basin Study webpage) will provide information on how to become a Stakeholder Advisor. These individuals should commit to regular participation throughout the course of the Study.

⁸ Task V.C and D Plan of Study

⁹ Task V.K Plan of Study

¹⁰ Task IV.A.1.d) Plan of Study. See Stakeholder Advisory Team