QSA Environmental Mitigation Program

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Environmental Mitigation Program

- Implementation of environmental mitigation measures related to the Quantification Settlement Agreement Water Transfer and IID’s Water Department Operation and Maintenance Activities

- Environmental Documentation
  - Transfer Project Final EIR/EIS
  - Draft Habitat Conservation Plan
  - In-Valley Biological Opinion
  - In-Valley CESA Permit
Burrowing Owl Mitigation

- Population Estimate being conducted this year
- Preconstruction Surveys
- Pre O&M surveys
Desert Pupfish Mitigation

- *Pupfish Refugium – constructed in 2010*
- *Population monitoring within IID drains*
- *Drain connectivity*
Managed Marsh Complex

- 950 acres of emergent, riparian and shrub-scrub bosque habitat to be created for operation and maintenance to IID’s canal and drains
- Phase 1 built in 2009
- Phase 2 built in 2014
- Phase 3 in final design
Managed Marsh Complex
Annual Emissions Monitoring

- Salton Sea Air Quality Monitoring Network
- Quantify dust emissions from exposed playa and adjacent desert areas
  - PISWERL
  - Soil coring and mapping of Salton Sea Playa
  - Mobile MET stations and cameras
Annual Dust Control Planning

- Emissions monitoring results
- Plot and field study findings
- Playa conditions and dust control measure suitability
- Land use considerations
Surface Roughening

- Random roughness to provide quick, waterless, and effective dust control
- Suitable soils: high silt and clay
- Creates a better area for vegetation to establish naturally
Vegetation Enhancement

- Modifies air flow and traps soil particles
- Engineer beach ridges or seed areas with surface roughening
- Promote continuous cover of native species

Salt Bush, Iodine Bush, Bush Seepweed and Fourwing Salt Bush
# Websites

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<th>IID Website</th>
<th><a href="http://www.iid.com">www.iid.com</a></th>
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<td>IID Environmental Mitigation</td>
<td><a href="https://www.iid.com/water/library/qsa-water-transfer/mitigation-implementation">https://www.iid.com/water/library/qsa-water-transfer/mitigation-implementation</a></td>
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