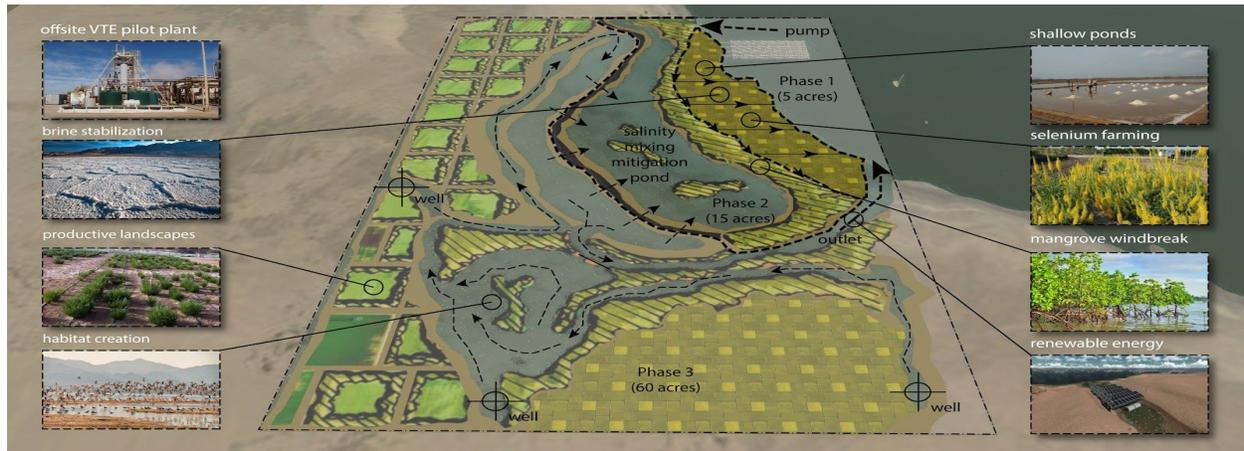


# Salton City Wetlands Pilot Project



**Introduction:** AGESS Inc. and The EcoMedia Compass in addition to other industrial partners have entered into an agreement with a landowner south of Salton City to propose a phased dust mitigation and habitat creation project through a combination of accelerated brine stabilization areas, shallow flooding and enhanced vegetation. These technologies, alone or in combination, have potential applications along the entire Salton Sea shoreline. They also have the added co-benefits of enhancing the properties for wildlife and existing vegetation. This property is characterized as a beachfront property with approximately 25 acres of exposed playa with an additional 55 acres of historic shoreline. Without immediate action dust exposure will increase at this location and others as a result of the QSA implementation of January 1st 2018.

## **Property Location:**

Imperial - 002-330-022-000 83.77 Acres, W2 of SW4 Sec 31

**Project Description - Accelerated Brine Stabilization:** The Accelerated Brine Stabilization process will create a salt crust two to three inches thick in less than one year (at least five times more quickly than the typical Stabilization with Brine process). Once created, this thick salt crust can be expected to minimize dust and contaminants transmission without the need for additional application of water or brine. This is particularly useful in areas of playa too salty for existing salt-tolerant vegetation and too soft for plowing of wind resistant furrows with heavy tractors. This pilot project will accelerate salt crust creation by applying Salton Sea brine pre-concentrated close to 25% salt content to the surface of exposed playa. Concentration of Salton Sea brine will be accomplished with an existing brine concentration plant installed on the south eastern shore of the Salton Sea, already operational and fully permitted, and then trucked to the proposed site.

**Shallow Ponds:** Shallow ponds will be utilized in this area for immediate dust suppression through dredging and berming of low-lying areas, Shallow ponds will allow for the expansion of

potential enhance vegetation planting sites through increasing the exposure of coastline to water. This will also ensure adequate in-situ water sources for plant growth.

**Enhanced Vegetation Dust Suppression:** Salt tolerant landscapes and Selenium extraction can be achieved through the collaborative effort of AGESS, inc. and Intrysix Technologies Corporation, pioneering in the use of salt-tolerant plants for phytoremediation. Together as technological innovators can create a replicable, robust system for ecological restoration of the Salton Sea. Intrysix’s particular landscape and farming systems uses harvestable Halophytes with particular landforming water system measures to remove salts and to vegetate exposed land in salty soils.

**Timeline:** These technological and agricultural “kit-of-parts” integrated systems will include constant testing and monitoring to ensure that the most efficient solutions are applied to this effort and futures phases of the projects. Since the off site VTE pilot plant is up and operational accelerated brine stabilization, shallow ponds and enhanced vegetation can be begin installation directly after permit approval.

**Salton City Dust Mitigation Project Budget -**

|   |                    |                  |
|---|--------------------|------------------|
| Management - Agess,Inc/EcoMedia Compass                     |                    | \$84,080         |
| Planning, Engineering, Permits and Fees (Soft Costs)        |                    | \$55,000         |
| Construction (Hard Cost): Local Subcontractors              |                    | \$105,800        |
| Water Import Pump Unit & Equipment                          |                    | \$50,000         |
| Land Life Company - Tree Pod Cocoons                        |                    | \$20,000         |
| Accelerated Brine Stabilization: Sephton Water Technology   |                    | \$178,672        |
| Enhanced Vegetation Mitigation: Intrysix                    |                    | \$105,300        |
| Phytoremediation and Phytomining Consultants United (PPCU)  |                    | \$23,000         |
| Agricultural Water / Fresh Water Well / Desalination System |                    | \$150,000        |
| University of Southern California (UCI)                     |                    | \$55,000         |
|   | Subtotal:          | \$821,852        |
|   | Contingency: 10%   | \$82,185         |
|   | <b>Total Cost:</b> | <b>\$904,037</b> |
|   | Cost Per Acre:     | \$10,762         |