SALTON SEA MANAGEMENT PROGRAM
PHASE I: 10-YEAR PLAN
WORK PLAN

All Committee Meeting
October 04, 2017
WORK PLAN ORGANIZATION

I. Goals & Objectives
II. Overarching Project Development & Management Needs
III. Action Plan for Priority Areas
IV. Conclusions
I. GOALS & OBJECTIVES

- Bridges SSMP concepts to design/construction of Phase I actions
- Outlines SSMP objectives
- Identifies key factors, information and tasks to continue to move forward with Phase I actions
- Provides insights to stakeholders on design progress
- Describes advisory committees & roles
II. OVERARCHING PROJECT DEVELOPMENT & MANAGEMENT NEEDS

**Chapters**

- Hydrology for Project Implementation
- Water Quality for New Habitat Creation
- Habitat Planning & Design Tool
- Air Quality Management
- Environmental Compliance
- Compatibility with Other Regional Plans & Projects
- Additional Projects for Evaluation
### TIMELINE OF WORK PLAN TASKS

<table>
<thead>
<tr>
<th>Task in Work Plan</th>
<th>Time Frame</th>
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<tbody>
<tr>
<td><strong>Overarching Project Development Tasks</strong></td>
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<tr>
<td>Hydrology for Project Implementation</td>
<td>Ongoing-Mar 2018</td>
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<tr>
<td>Water Quality for New Habitat Creation</td>
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<tr>
<td>Habitat Planning and Design Tool</td>
<td>Dec 2017-Jun 2018</td>
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<tr>
<td>Air Quality Management Plan</td>
<td>Dec 2017-Mar 2018</td>
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<tr>
<td>Environmental Compliance Requirements</td>
<td>Ongoing</td>
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<tr>
<td>Evaluate Compatibility with Other Regional Planning Docs</td>
<td>Dec 2017-Jun 2018</td>
</tr>
<tr>
<td><strong>Near-term Priority Area Planning &amp; Design</strong></td>
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<tr>
<td>New River West Restoration Design</td>
<td>Jul 2017-Dec 2018</td>
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<tr>
<td>Alamo River North Restoration Design</td>
<td>Jan 2018-Dec 2018</td>
</tr>
<tr>
<td>Whitewater River Area Restoration Design</td>
<td>Jan 2018-Dec 2018</td>
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HYDROLOGY FOR PROJECT IMPLEMENTATION

Timeline
On-going Mar 2018
WATER QUALITY FOR NEW HABITATS

Timeline
On-going Mar 2018
Phase 1 project areas have been established

Next steps will involve refined conceptual designs

- Develop ecological targets
- Detailed topo including LIDAR surveys
- Water supply analyses
- Soil & geotechnical analysis
- Accommodate geothermal access

TIMELINE

Dec 2017 - Jun 2018
HABITAT LOCATIONS & TYPES

• Design Considerations
  • Habitat functional values
  • Water use / gravity vs pumping
  • Salinity
  • Water quality in constructed habitat
  • Selenium management
  • Invasive plant management
  • Mosquito abatement

• Habitat Types
  • Permanent wetlands with vegetation
  • Dry playa
  • Mudflat, sandflat, & beach
  • Mid- & deep-water
  • Shallow water
  • Existing habitat
HABITAT SELECTION PROCESS

1. Assessment: Select project five areas (2016)
2. Prioritization of project areas (2017)
3. Define and apply design criteria/targets (2017/2018)
HABITAT PLANNING & DESIGN TOOLS

- Ecological function and performance
- Consistency with Audubon’s guidelines for integrating ecological function/bird usage
- Water budgets (hydrology)
- Water quality
- Air quality performance of other playa treatments
AIR QUALITY MANAGEMENT

- Modeled after Salton Sea Air Quality Mitigation Program (IID, July 2016)
- Evaluate Dust Suppression Methods
  - Water dependent
  - Waterless
- Coordination with IID, ICAPCD, & affected agencies

Timeline
Dec 2017  Mar 2018
Environmental documents & permitting completed for current projects

- Species Conservation Habitat - New River East & West
- Red Hill Bay
- Torres Martinez Wetlands

Additional areas available within SCH 3,770-ac footprint

Environmental compliance for other areas is being evaluated & coordinated with regulatory agencies
COMPATIBILITY WITH OTHER REGIONAL PLANS/PROJECTS

- Phase I: 10-Year Plan will be compared to existing Regional Plans
  - IID Water Conservation & Transfer Project HCP/NCCP
  - Coachella Valley Multiple Species Habitat Conservation Plan
- Check for compatibility, continuity, & consistency

Timeline

Dec 2017 - Jun 2018
ADDITIONAL PROJECTS FOR EVALUATION

- Evaluate potential to reconnect, inundate, or treat harbors & boat docks along east & west shores
  - Reduce odors
  - Reduce vectors
  - Dust suppression
  - Recreation opportunities
- **Water import options**
III. ACTION PLAN FOR PHASE I AREAS

- **Project Implementation/Construction Strategy**
- **Focuses on key components & locations**
  - New River East & West
  - Alamo River North & South
  - Whitewater River
- **Phase I project sequencing determined by**
  - Proximity to water sources
  - Status of environmental clearance/permits
  - Availability of access to property
- **Other shoreline areas will be developed later**
PHASE I AREAS

Legend
- Green: Area for Habitat and Dust Mitigation 2018-2023 (11,790 acres)
- Light Blue: Area for Habitat and Dust Mitigation 2023-2028 (14,430 acres)
- White: Potential Reclaimed Agricultural Land (2018-2023)
- Yellow: Water Management Pond 2023-2028 (400 acres)
- Yellow: Water Management Pond (3,450 acres)

Map showing various areas and projects with numbers and years.
CONSTRUCTION SCHEDULE

- Currently being updated to conform to the Water Board’s Stipulated Order
- Currently moving forward with design for New River West
- Planning stages for Alamo North & Whitewater
IV. CONCLUSIONS

- Provides path forward for implementing Phase 1 of 10-Yr Plan
- Final section of document includes:
  - Timeline of Work Plan tasks
  - References
# WORK PLAN REVIEW TIMELINE

<table>
<thead>
<tr>
<th>Activity</th>
<th>Timeframe</th>
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<tbody>
<tr>
<td>Draft Work Plan to Committees</td>
<td>Sep 26, 2017</td>
</tr>
<tr>
<td>Review Comments from Committees Due</td>
<td>Oct 27, 2017</td>
</tr>
<tr>
<td>Release to Public</td>
<td>Early Nov 2017</td>
</tr>
<tr>
<td>Living Document / Updated as Needed</td>
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*Work commencing in multiple areas while Work Plan is finalized*
QUESTIONS / DISCUSSION