

# Coastal Acid Sulfate Soils Program

## Stage 2 Report

### Milestones 1, 2 & 3

**Reporting Period:** 1<sup>st</sup> July 2001 to 30<sup>th</sup> November 2001.

**Project title:** Demonstrating amelioration of Acid Sulfate Soils, Barker Inlet / Gillman area, South Australia.

**Funding agency:** Environment Australia's Coastal Acid Sulfate Soils Program (CASSP).

**Project Manager:** Ms Shanti Ditter.

**Project Steering committee:** The Barker Inlet and Port Estuary Committee (BIPEC)  
– Contact / secretary Harry Pitrans.

**Project duration:** 1<sup>st</sup> January 2001 to 31<sup>st</sup> December 2002.

**Due date for milestone report:** 31<sup>st</sup> December 2001.

**Project Consortium:** Port Adelaide Enfield Council, CSIRO Land & Water, Land Management Corporation, Penrice Soda Products, Department of Environment and Heritage, Salisbury Council, Torrens Catchment Water Management Board, Northern Adelaide & Barossa Catchment Water Management Board and the St Kilda Mangrove Trail & Interpretative Centre.

**Research officer:** Dr Rob Fitzpatrick (CSIRO Land & Water).

**Project Officer:** PhD student / Mr Brett Thomas.

Stage	Start Date	Finish Date		Activities	Milestones
2.	01/0701	30/11/01	2.1	Organise and run workshop for all participants and industry collaborators and BIPEC Steering Committee.	1. <b>Workshop with all project participants and industry collaborators.</b>
			2.2	Prepare report on workshop findings.	2. <b>Preparation of report on workshop findings.</b>
			2.3	Finalise report detailing conclusions and recommendations from stage 1 trials.	3. <b>Report effectiveness of trials and recommendations.</b>
			2.4	ID most effective trials, equipment required and techniques for achieving desired ASS profile modification and amendment incorporation. (eg. Penrice – lime).	
<b>Due Date</b>	<b>31/12/01</b>	<b>Progress Report 2.</b>	<b>Report against key milestones, performance indicators and costs to be lodged with the Dept. within 30 days of completion of Stage 2</b>		

This report is submitted as evidence of completing / fulfilling the milestones and activities for **stage 2**; set out in the agreement / contract between Department of the Environment and Heritage and City of Port Adelaide Enfield, Demonstrating Amelioration of Acid Sulfate Soils, Barker Inlet / Gillman Area, South Australia.

## **Milestone 1**

### **Workshop with all project participants and industry collaborators.**

**Activity 2.1** - *Organise and run workshop for all participants and industry collaborators and BIPEC Steering Committee.*

#### ***Appendix A.***

A workshop discussing the potential remediation strategies available to the ASS problem at Gillman was held at the Sunnybrae Farm convention centre on the 14<sup>th</sup> of November 2001. The workshop brought together 28 personnel from CLW, LEME, BRS, DLWC, QDNR, PIRSA, local government / councils and the SA State government. Appendix A illustrates the organisation of, and the information communicated prior to the workshop proceedings.

- Workshop Flyer – Appendix A1.
- Workshop Program – Appendix A2.
- Participation List – Appendix A3.
- Handouts – Appendix A4.
  - Acid Sulfate Soils Workshop flyer.
  - Workshop Program.
  - List of Participants.
  - Project Information / Summary.
  - Advertiser Article “The black scourge of our mangroves”.
  - 5<sup>th</sup> International ASS Conference flyer.
  - Media Release “Partnership to investigate ASS”.
  - CSIRO L & W Project Information Sheet.

## **Milestone 2**

### **Preparation of report on workshop findings.**

**Activity 2.2** - *Prepare Report on Workshop findings.*

#### ***Appendix B.***

Appendix B summarises each presentation and documents the points / questions raised during question and discussion times at the ASS Workshop.

- Workshop Findings - Notes and Points of Discussion.

## **Milestone 3**

### **Report effectiveness of trials and recommendations.**

**Activity 2.3** - *Finalise report detailing conclusions and recommendations from stage 1 trials.*

**Activity 2.4** - *Identify the most effective trials, equipment and techniques for achieving the desired ASS profile modification and amendment incorporation.*

#### ***Appendix C***

Appendix C presents conclusions and recommendations from the stage 1 trials, adding the information gained from experts who attended the ASS Workshop to the information attained previously (Stage 1 Report). The most effective ASS rehabilitation trials have been identified and developed with reference to Workshop findings. Site locations, techniques to be used, analysis and equipment required for each of the selected trials are described.

## **Additional Activities**

### **Project Committee Meetings Minutes.**

#### ***Appendix D***

Agenda, minutes and attachments from committee meetings:

- **12/07/01**
- **19/09/01**      Attachments
  - Official Media Release
  - Advertiser Media Release
  - Reply to the editor (Neil Cormack)
  - EA sign information / poster
  - Picture of EA sign at Gillman
  - Preliminary Workshop Plan
  - Sydney Engineers ASS seminar flyer

### **Communications and Correspondence made during the reporting period.**

#### ***Appendix E***

- *Official Media Release.*
- *Advertiser Media Release.*
- *Transport SA meeting.*
- *Transport SA Manual (ASS case study).*
- *Sydney Engineers ASS seminar flyer - Robs talk.*
- *Government News Article.*

### **Stage 1 Milestones Report CD**

A CD copy of the Stage 1 Milestones Report (Milestones Report 30<sup>th</sup> July 2001) is attached to the back of this folder.