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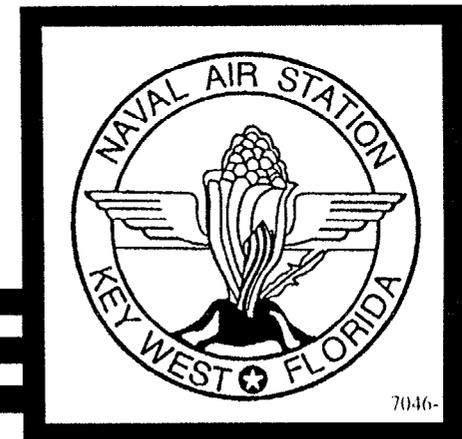
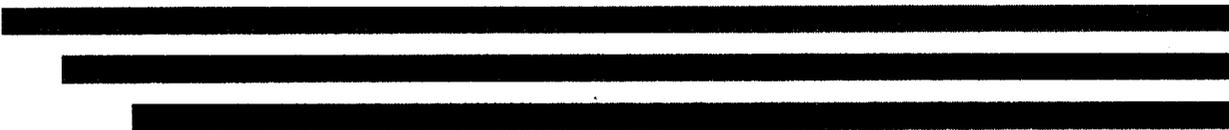
ENVIRONMENTAL RESTORATION SITE CLEANUP AND SITE STUDIES PRESENTATION
NAS KEY WEST FL
9/29/1997
BECHTEL ENVIRONMENTAL INC



UPDATE

***ERNA Site Cleanup
NAS Key West Florida***

**Roy Hoekstra
Bechtel Environmental, Inc..
September 29, 1997**



7046-PC

Status: 29 Sept. 97

- **Complete**
 - *IR-8 1800 feet shoreline stabilization at the Fleming Key South Landfill*
 - *Subcontract awarded to Ocean Breeze Construction, Inc. for design / build.*
 - *Construction complete*



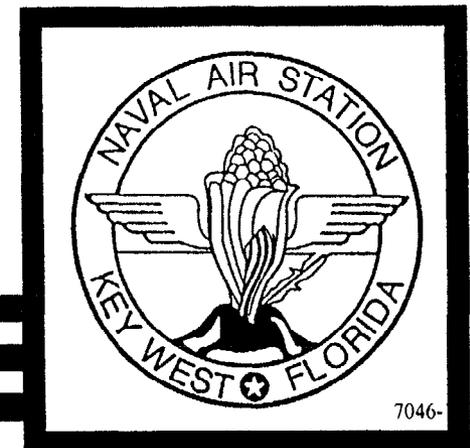


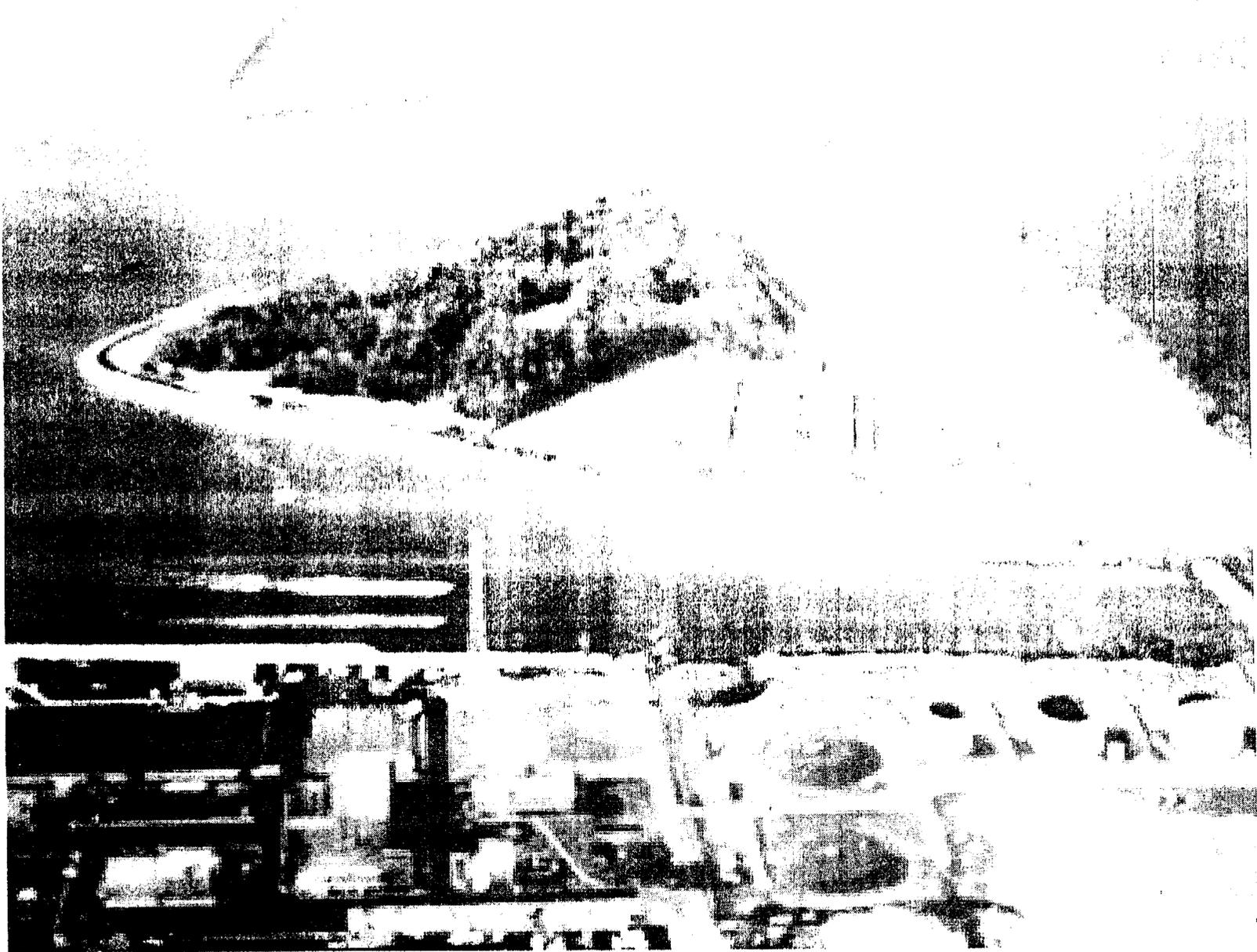
IR-8 (Fleming Key)

Problem: Erosion of beach around landfill

Solution: Install Shoreline Protection System

- *Approx 1800 linear feet west from water treatment plant*
 - *Berm-type structure*
 - *Pre-cast concrete mats on face (Armor Flex)*
 - *Height: 10 ft above MSL*
 - *Mat construction complete*
 - *Revegetation and site cleanup complete*
- 





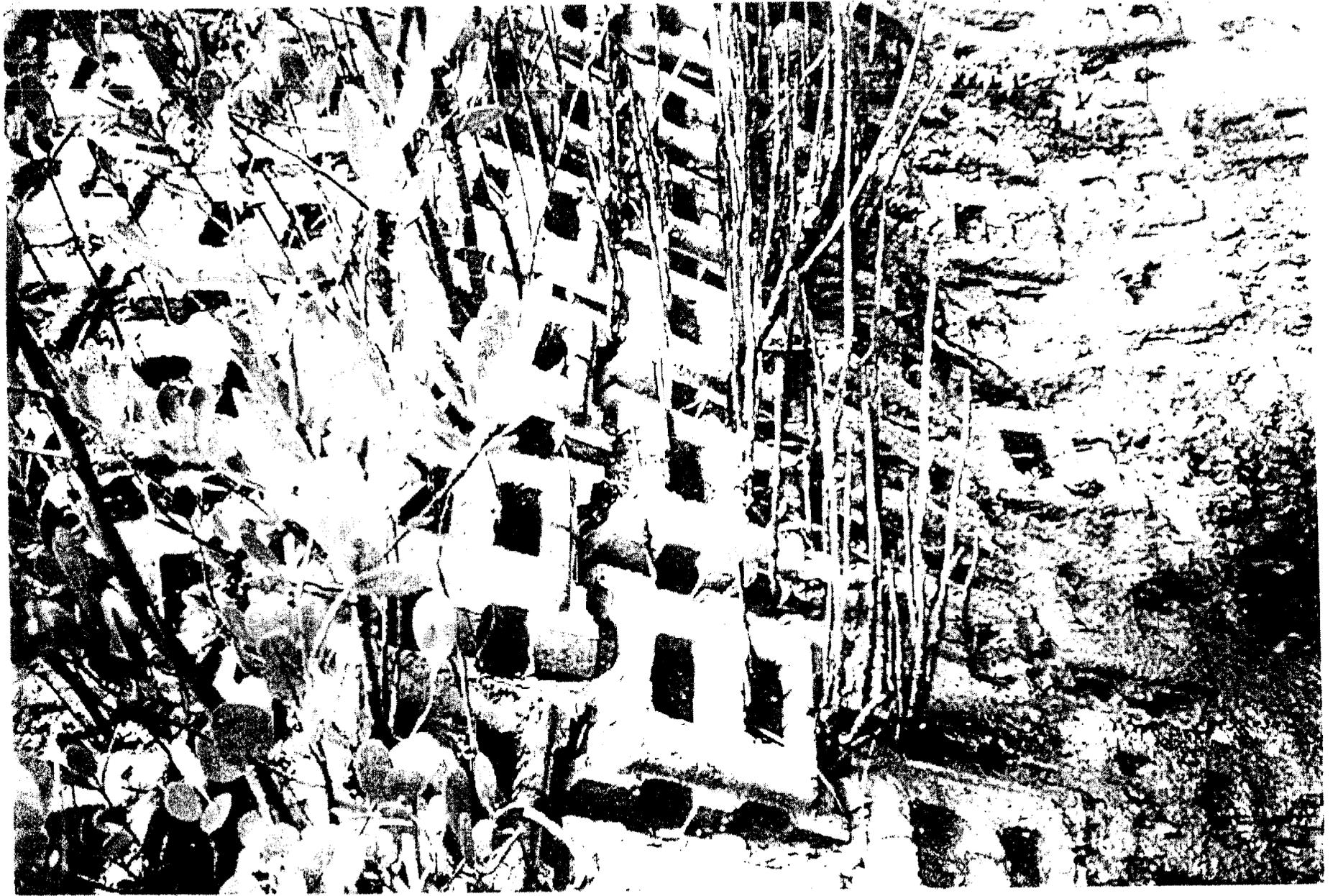










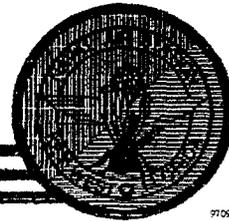






Update of ERNA Site Studies

Chuck Bryan
Brown & Root Environmental
September 29, 1997

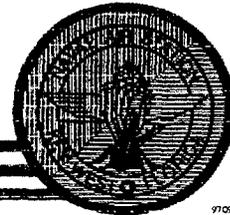


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Acronyms Used in this Presentation

- AIMD - Aircraft Intermediate Maintenance Department
- AOC - Area of Concern
- CAMP - Corrective Action Management Plan
- CMS - Corrective Measures Study
- EPA - U. S. Environmental Protection Agency, Region IV
- ERNA - Environmental Restoration, Navy Account
- FDEP - Florida Department of Environmental Protection
- FS - Feasibility Study
- IR - Installation Restoration

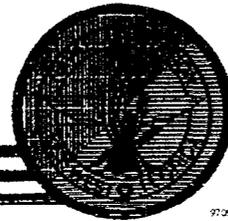


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More Acronyms Used in this Presentation

- **NAS - Naval Air Station**
- **RAB - Restoration Advisory Board**
- **RFI - Resource Conservation and Recovery Act (RCRA) Facility Investigation**
- **RI - Remedial Investigation**
- **SWMU - Solid Waste Management Unit**

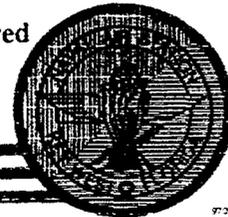


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12 ERNA Sites - Background

- **Work Plan for conducting sampling and surveys at 12 Environmental Restoration Navy Account (ERNA) sites was finalized in December 1995**
- **7 Solid Waste Management Units (SWMUs)**
 - **4 Installation Restoration (IR) Sites**
 - **1 Area of Concern (AOC)**
 - **8 Facility-Wide Background Locations**
- **Navy Headquarters funding restraints required that the field sampling and surveys be conducted in two phases**

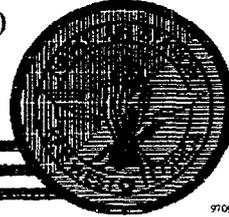


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Four Boca Chica Key Sites

- **Progress made over the past two months**
 - **Completed and distributed Rev. 1 Corrective Measures Study (CMS) Reports for SWMUs 1 and 2 to RAB members on August 18, 1997**
 - ➔ **CMS Reports recommend institutional controls and long-term monitoring for SWMUs 1 and 2**
- **Partnering Team reached consensus on modifications to the Corrective Action Management Plan (CAMP)**
- **Received FDEP concurrence on Rev. 2 RFI/RI Report**

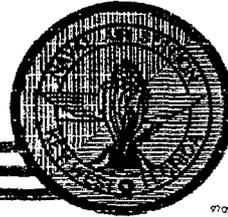


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Four Boca Chica Key Sites

- **Activities planned for the next two months**
 - **Finalize Revision 2 of the CAMP after modifications to update it are reviewed by the Partnering Team**
 - **Obtain final approval for Rev. 2 of the RFI/RI report**
 - **Develop a draft decision document for SWMU 3**
 - **Perform on-board review of CMS reports for SWMUs 1 and 2**

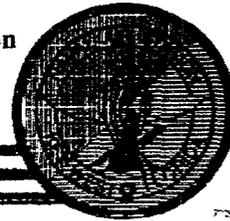


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Eight Additional NAS Key West Sites

- **Scope included Supplemental RFI/RI investigation activities at SWMU 4, SWMU 5, SWMU 7, IR 1, IR 3, IR 7, IR 8, and AOC B**
- **Field sampling and surveys performed from August to October 1996**
- **Comprehensive Background Report sent to RAB members in March**
- **Rev. 1 RFI/RI report sent to RAB members on June 13, 1997**

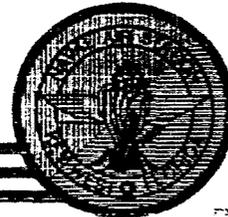


FDEP
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Eight Additional NAS Key West Sites

- **Progress made over the past two months**
 - **Received EPA and FDEP comments on RFI/RI report**
 - ➔ **Verbal resolution of FDEP comments obtained during September 11, 1997 meeting with FDEP**
 - **Comprehensive Background Report**
 - ➔ **Resolved all comments**

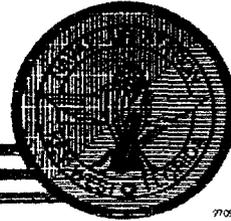


FDEP
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Eight Additional NAS Key West Sites

- **Activities planned for the next two months**
 - **Continue conducting document review and drafting responses to comments received on the RFI/RI report**
 - **Obtain funding and begin CMS/FS work at SWMUs 5, 7 and 9**
 - **Partnering Team to discuss disposition of sites IR 3, IR 7 and AOC B**
 - ➔ **Presumptive remedy (capping) likely at IR 3**



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