



Proposed Plans IR 3, IR 7, and AOC B

Chuck Bryan

Tetra Tech NUS

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Acronyms Used in this Presentation

- **AOC - Area of Concern**
- **ARAR - Applicable or Relevant and Appropriate Requirements**
- **CERCLA - Comprehensive Environmental Response, Compensation and Liability Act**
- **COC - Chemical of Concern**
- **DD - Decision Document**
- **FS - Feasibility Study**
- **IR - Installation Restoration**





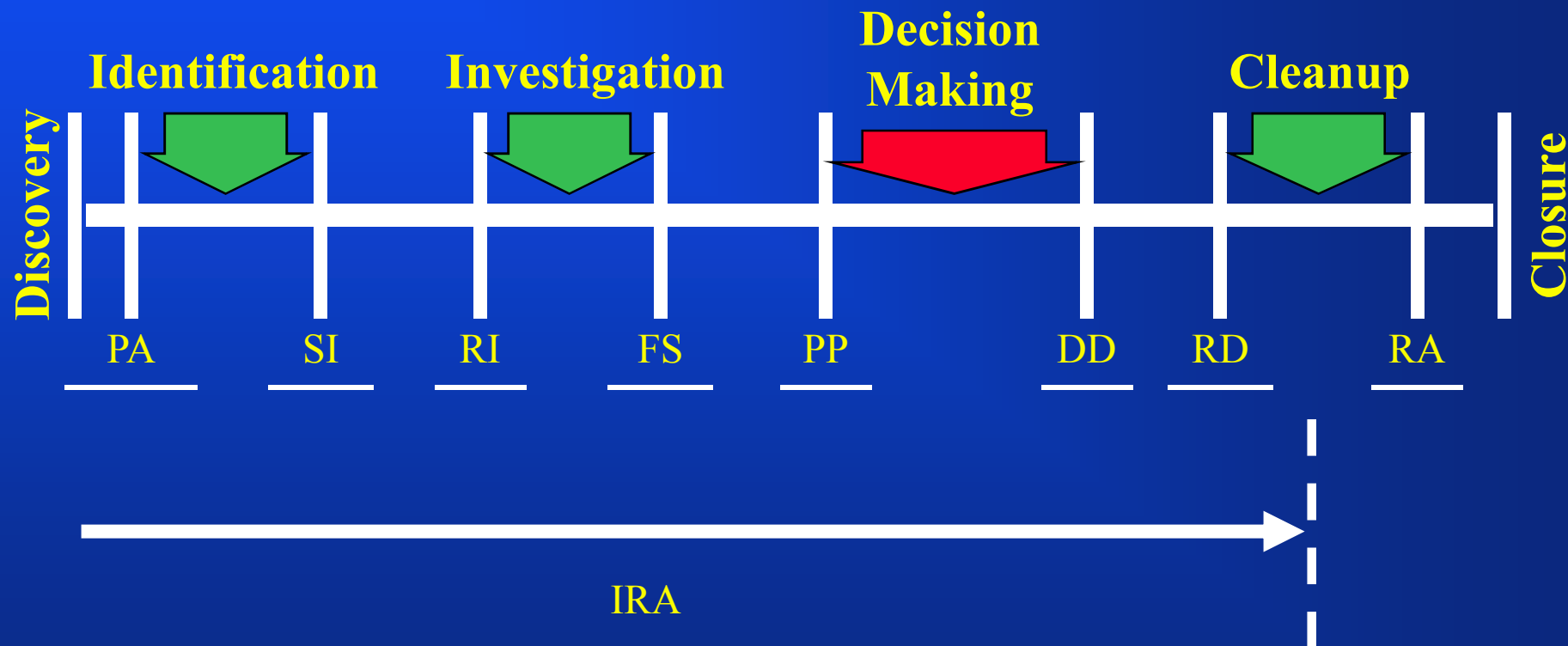
More Acronyms

- **IRA - Interim Remedial Action**
- **PA - Preliminary Assessment**
- **PP - Proposed Plan**
- **RA - Remedial Action**
- **RD - Remedial Design**
- **RI - Remedial Investigation**
- **SI - Site Inspection**





The Typical Life of a CERCLA Site



Note: The CERCLA hazardous waste site life-cycle process is described in the Code of Federal Regulations, Chapter 40, Part 300.



Purpose of Proposed Plan

- Identify the proposed remedy
- Explain the rationale for its selection
 - Summarize findings of Remedial Investigation (RI)
 - Describe all the remedies evaluated in the Feasibility Study (FS) [Not required for these 3 sites]
- Provide information to the public on involvement in the remedy selection process
- Solicit public review and comment





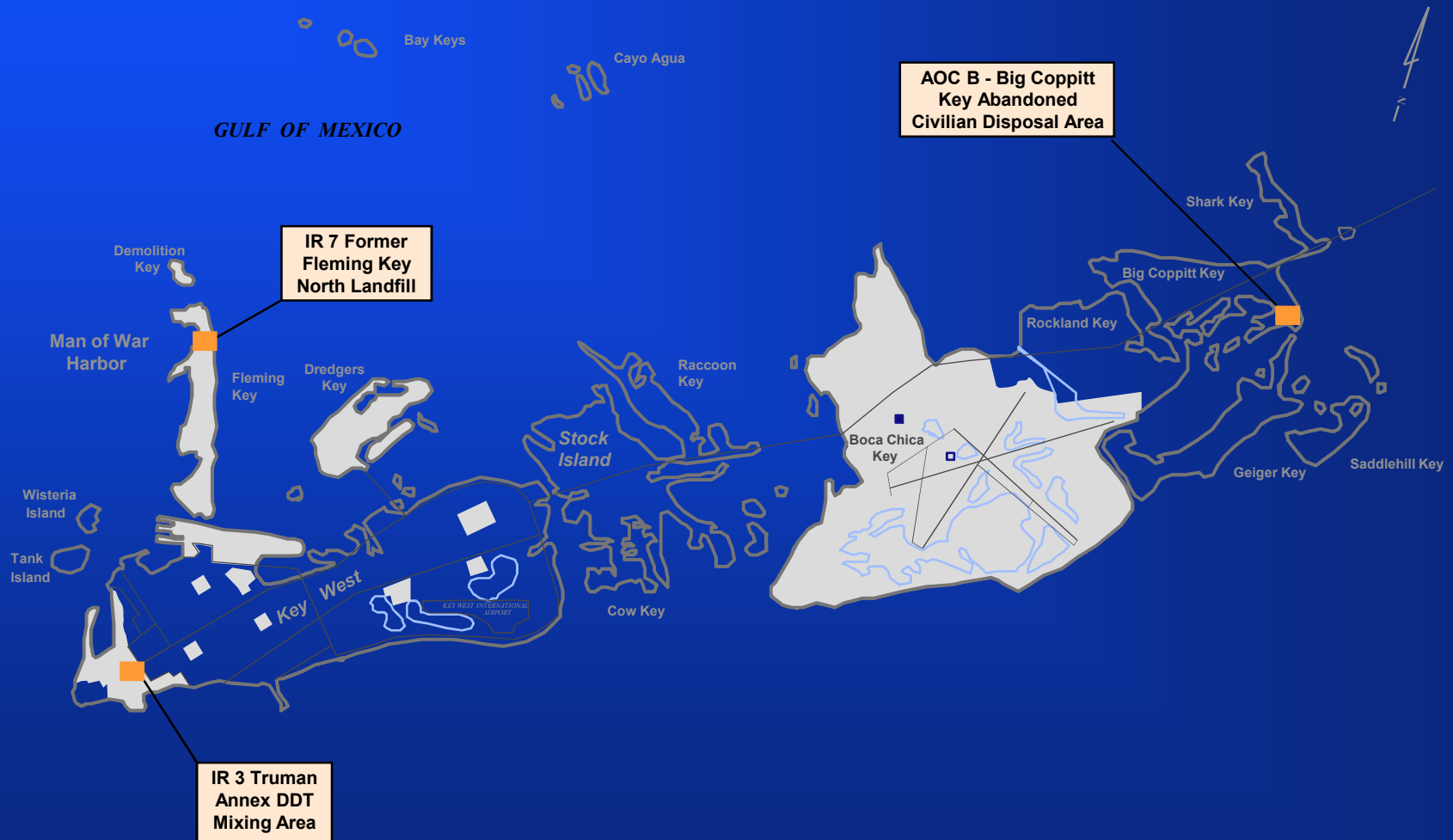
Selection of the Proposed Remedy

- Protection of human health and the environment
- Compliance with ARARs
- Long-term reliability and effectiveness and permanence
- Reduction of toxicity, mobility, or volume through treatment
- Short-term effectiveness
- Implementability
- Cost
- State acceptance
- Community acceptance





Site Map





IR 3 - Truman Annex DDT Mixing Area

- **Site covers approximately 1/4 acre and is the former location of Building 265**
- **Separated from Fort Street by chain-link fence**
- **1940s - early 1970s: Used as a mixing and temporary storage area for DDT**
- **Discharges were in the form of accidental spills**





IR 3 Before IRA





IR 3 During IRA





Interim Remedial Action - IR 3

- Conducted during Spring 1996
- Removed DDT-contaminated soil
 - An estimated 735 cubic yards of soil was removed
 - A majority of all chemical contaminants were removed
- Excavated area was backfilled with clean soil and covered with grass (sod)



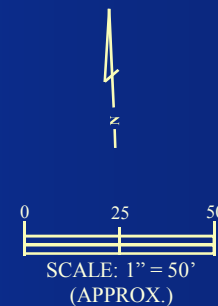
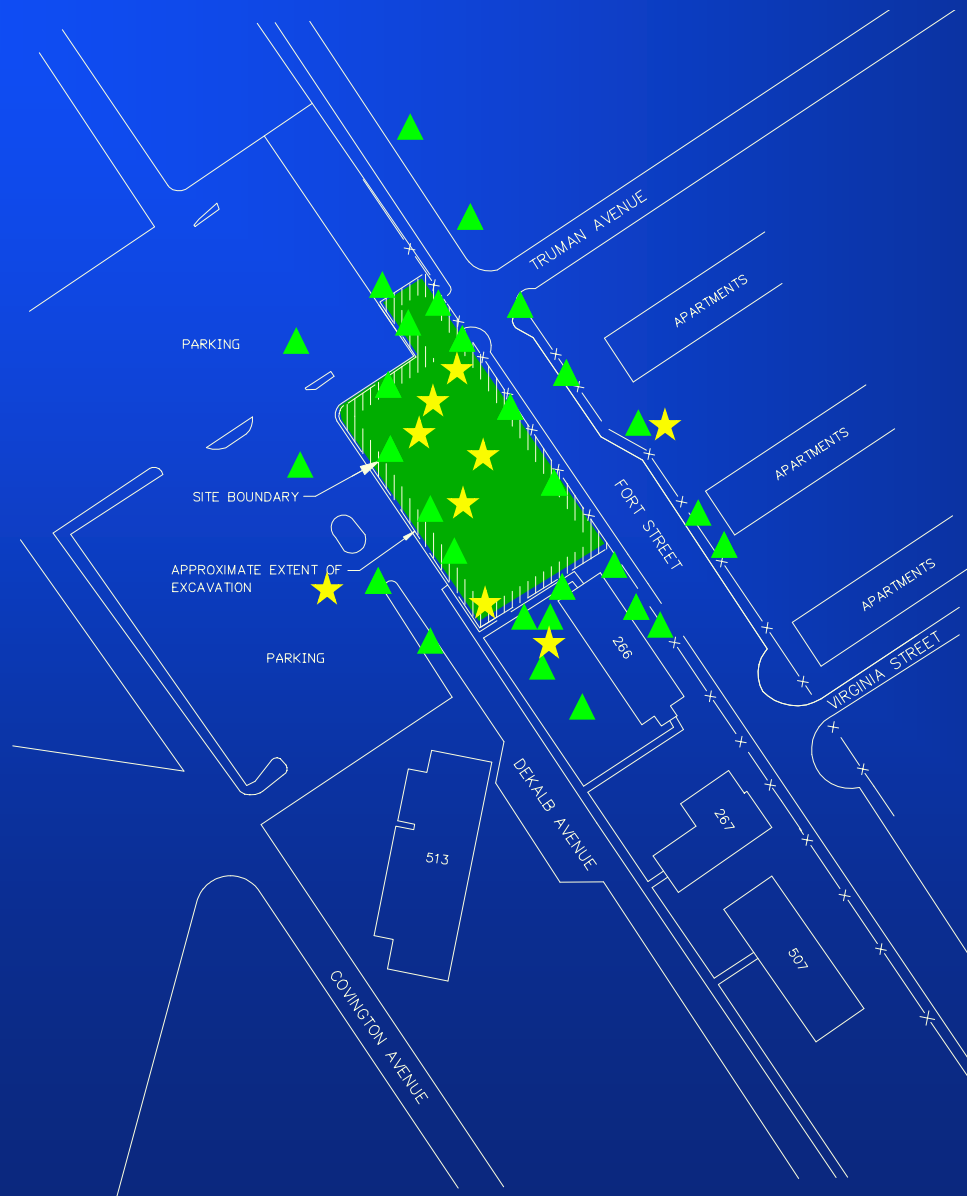


IR 3 After IRA





IR 3 Sample Location Map



LEGEND

- ▲ Soil
- ★ Groundwater

Chemicals of Concern (COCs)

Arsenic
Beryllium
Iron
4,4'-DDD
4,4'-DDE
4,4'-DDT



Proposed Remedy - IR 3

- **Asphalt cap with land use controls**
 - **Minimal risk to humans**
 - **No risk to ecological receptors**





IR 7 - Fleming Key North Landfill

- Approximately 30 acres on north end of Fleming Key
- 1952 - 1962: Used by City of Key West and Navy for disposal of 4,000 to 6,000 tons of unknown wastes annually
 - Wastes encountered during field activities included vehicle, household, construction, and electrical debris
 - Open trench disposal was practiced; trenches were partially filled with seawater during disposal
- 1977: USDA Animal Import Center constructed over a portion of site; wastes were excavated and buried under soil and rock cover immediately to the west





Interim Removal Action - IR 7

- Conducted in Fall 1995
- Clean fill was put in place to fill low areas and promote runoff, then a vegetative cover was established to prevent erosion
- Currently, entire landfill is covered with soil and vegetated by grass, weeds, or trees





IR 7 Sample Location Map





Proposed Remedy - IR 7

- Groundwater monitoring with land use controls
 - Minimal risk to humans
 - Low potential risk for aquatic receptors and no bioaccumulation detected





AOC B - Big Coppitt Key

Abandoned Civilian Disposal Area

- **Formerly used by civilians for disposal of car/truck body and frame parts, although exact dates and methods of debris placement are unknown**
- **Site was purchased by Navy in 1985 to comply with Federal Aviation Administration requirements**





AOC B Before IRA





AOC B During IRA





Interim Remedial Action - AOC B

- Conducted during Spring 1996
- Removed contaminated soils
 - An estimated 1,251 cubic yards of soil was removed
 - All debris and a significant portion of chemical contaminants were removed
- Replaced with clean fill to grade to allow natural re-population of mangroves



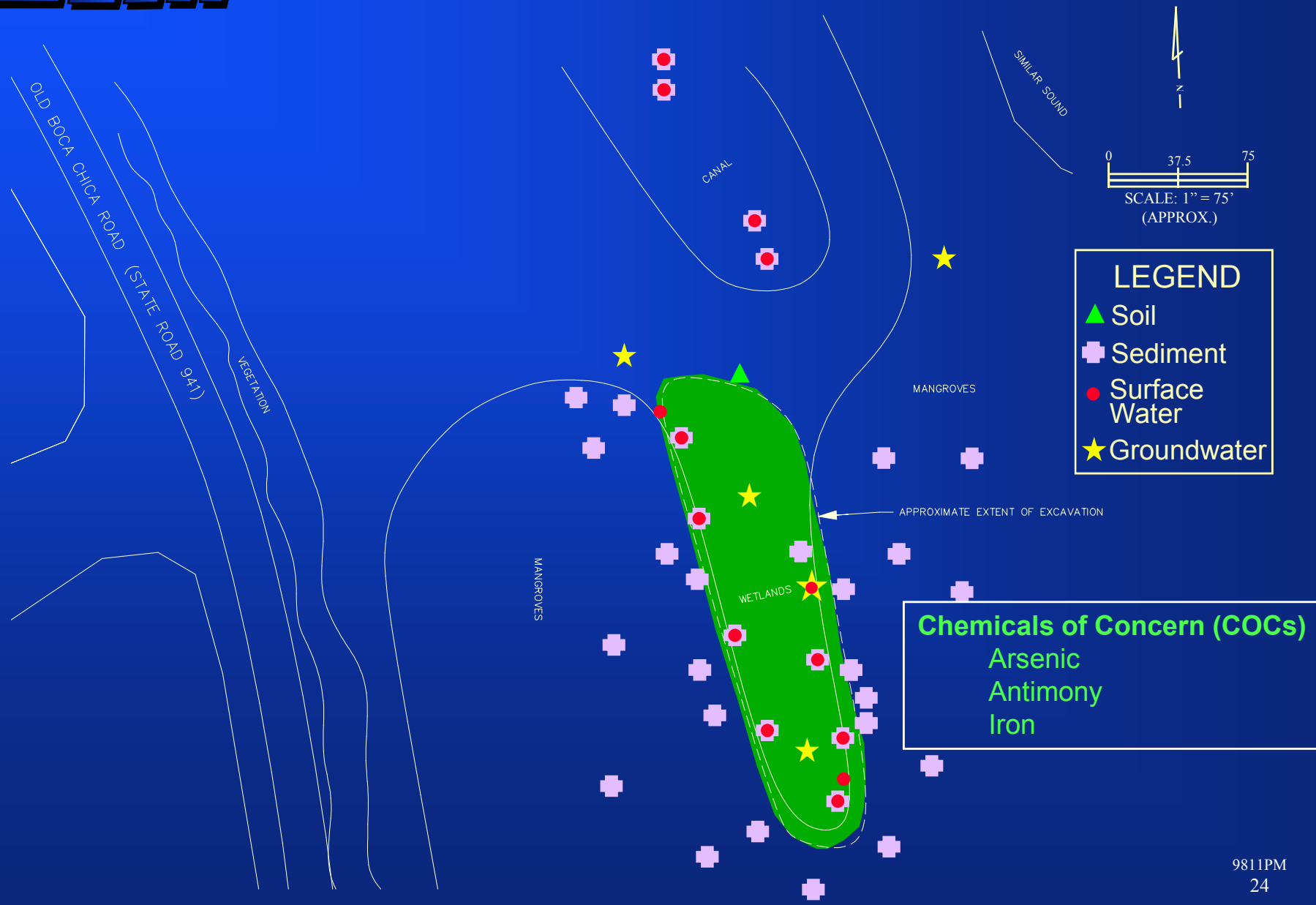


AOC B After IRA





AOC B Sample Location Map





Proposed Remedy - AOC B

- **No Further Action with land use controls**
 - **Minimal risk to humans**
 - **No risk to ecological receptors and no bioaccumulation detected**





Summary

	Decision Document	Land Use Controls	Monitoring
IR 3			
IR 7			
AOC B			

