

CERL's Land and Heritage Conservation Branch



**Historic
Buildings and
Structures**



**Archaeological Sites and
Native American Issues**



**Historic Military
Installation Districts**



Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 01 AUG 2004		2. REPORT TYPE N/A		3. DATES COVERED -	
4. TITLE AND SUBTITLE CERLs Land and Heritage Conservation Branch				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) US Army Corps of Engineers Engineer Research and Development Center Champaign, IL 61826-9005				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited					
13. SUPPLEMENTARY NOTES See also ADM002111. Department of Defense Conservation Conference. Held in Savannah, Georgia on August 22-27, 2004, The original document contains color images.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 27	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

Cultural Resource Team

Branch Chief: Lucy Whalley

Historic Structures and Cultural Landscapes

Suzanne Loechl (MLA)	Landscape Architecture
Dawn Morrison (Ph.D.)	Geography
Adam Smith (M. A)	Architecture
Megan Tooker (MLA)	Landscape Architecture
Julie Webster RA	Architecture
Susan Enscoe (Ph.D.)	Geography/Planning

Archaeology and Native American Issues

Tad Britt (M. A.)	Archeology
Michael Hargrave (Ph.D.)	Archeology
Diane Mann (Ph.D.)	Native American Issues
Lucy Whalley (Ph.D.)	Anthropology

Bill Meyer (MLA)	GIS
Manroop Chawla (M.S.)	NEPA



Military Installations are Unique in their Mission



US Army Corps
of Engineers

Engineer Research and Development Center

Overarching Problems

- Risk to the Mission
- Risk to the Budget
- Risk of Non-Compliance
- Risk to the Historic Resource



Archeological Sites



Geophysical Techniques

Magnetic
Gradiometry



Electrical
Resistance



Ground
Penetrating
Radar



Buildings and Structures



Fort Bliss



Cultural Landscapes



USMA, West Point, NY



Better Ways to Understand Significance & Eligibility

Recent research efforts include:

- **West Point Historic Viewshed Analysis**
- **Landscape Approach to Archeological Sites**
- **National Register Historic Military Installation Districts Bulletin**



Historic Viewshed Analysis

- **Purposes:**
 - Identification**
 - Description
 - Period of Significance
 - Character-defining features

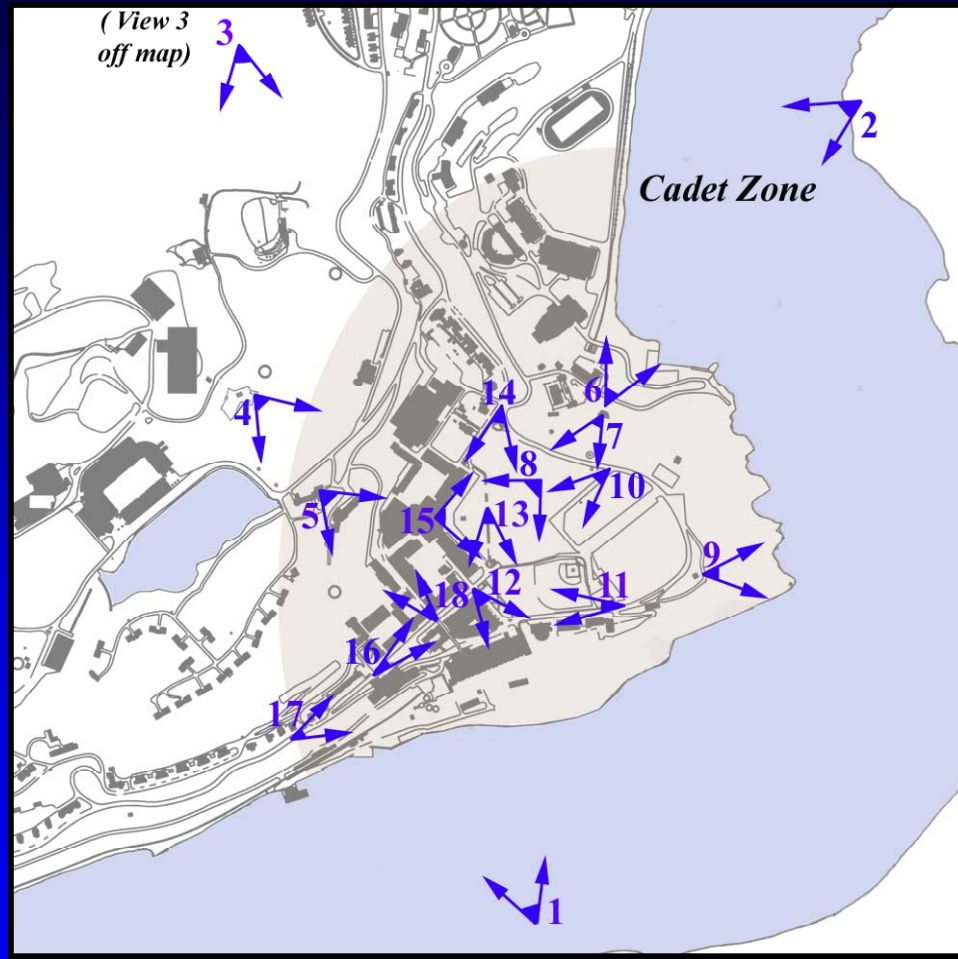


Assessment

- Rating for historic significance
- Rating for integrity



Historic Views at USMA, West Point



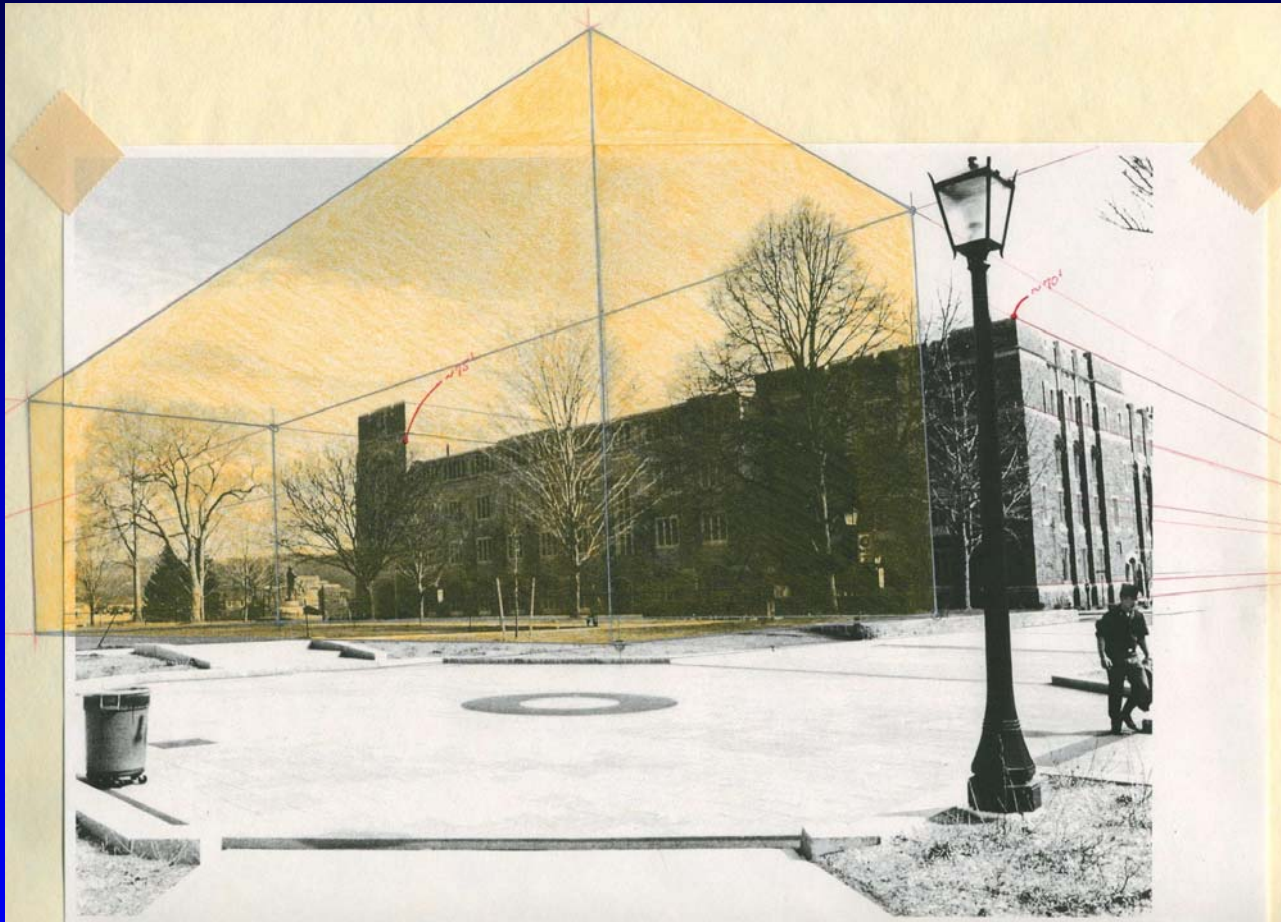
Historic view southwest along Diagonal Walk, circa 1903



Current image of view southwest along Diagonal Walk



Wireframe Massing Image



A Landscape Approach to Determining Significance of Historic Farmsteads at Fort Leonard Wood, MO

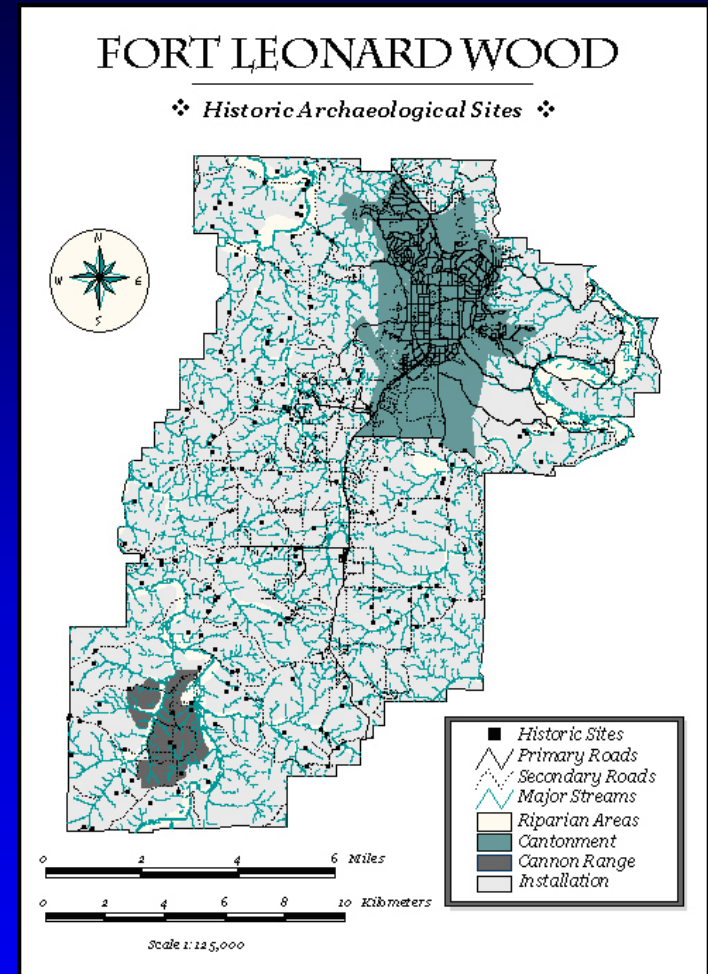


Background and Problem

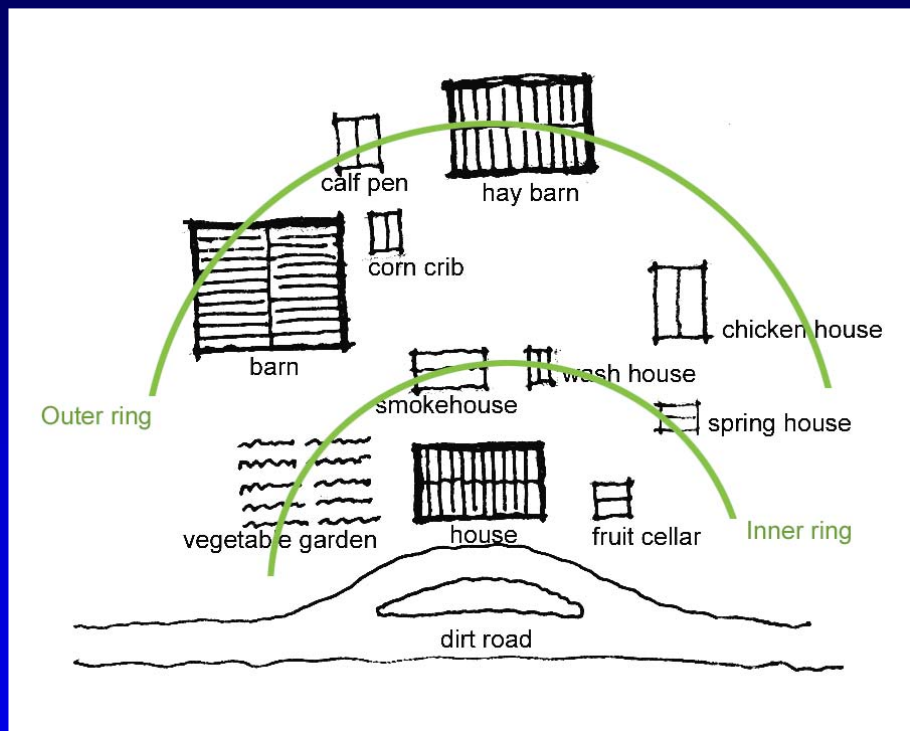
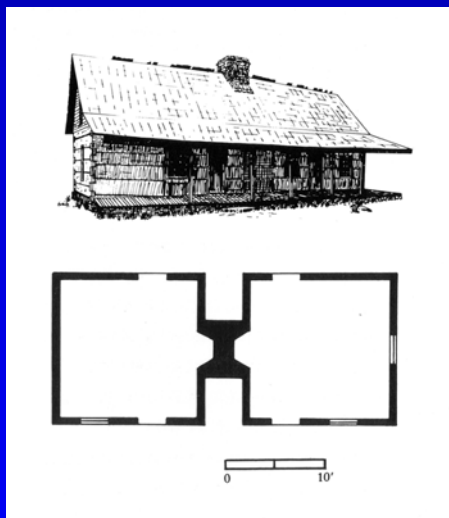
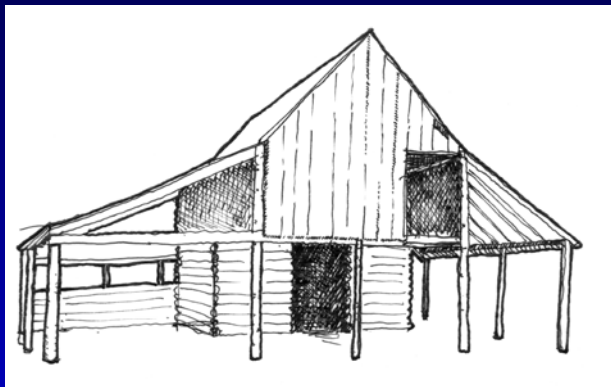
There have been 207 historic archaeological sites identified on the installation.

Needs:

- **Comply with NHPA**
- **Develop a cost effective and efficient process for determining significance**



Architectural Characteristics



National Register Bulletin for Historic Military Installation Districts



Marine Corps Barracks, 1972



Mare Island, 1974



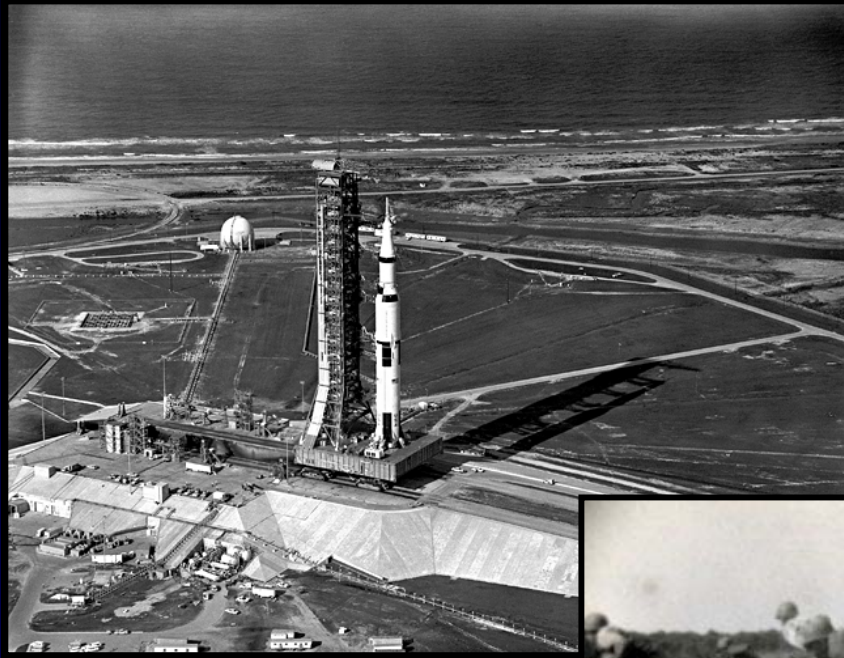
Fort Riley, 1904



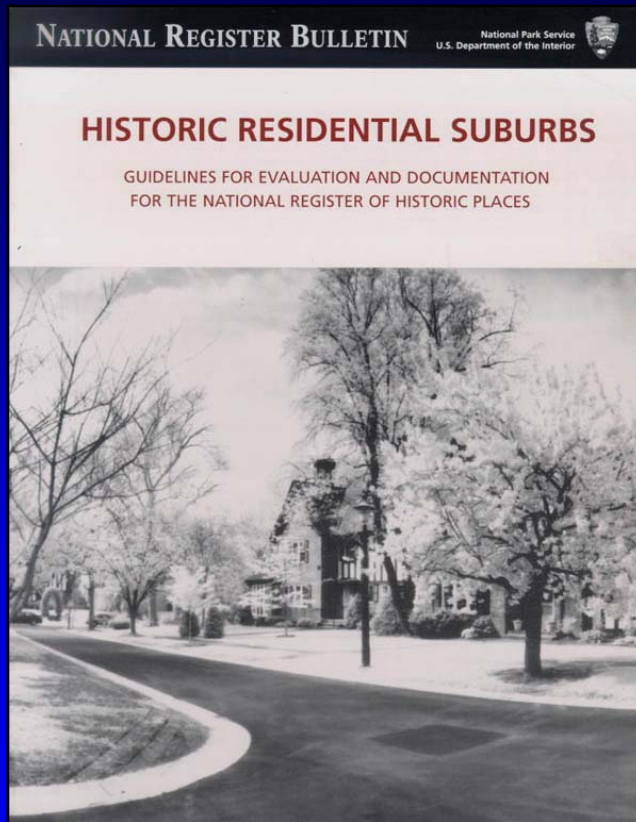
Albrook Air Force Base, 1932



Individual Missions Shape Historic Military Installation Districts



Directed Guidance



- Existing guidance does not take into account the military mission
- Inconsistent use of existing guidance



An Integrated Approach



US Army Corps
of Engineers

Engineer Research and Development Center

Model Historic District Inventories

Washington Navy Yard



Washington Navy Yard Waterfront, 1932

Washington Navy Yard Waterfront, 1932

Camp Edwards, MA

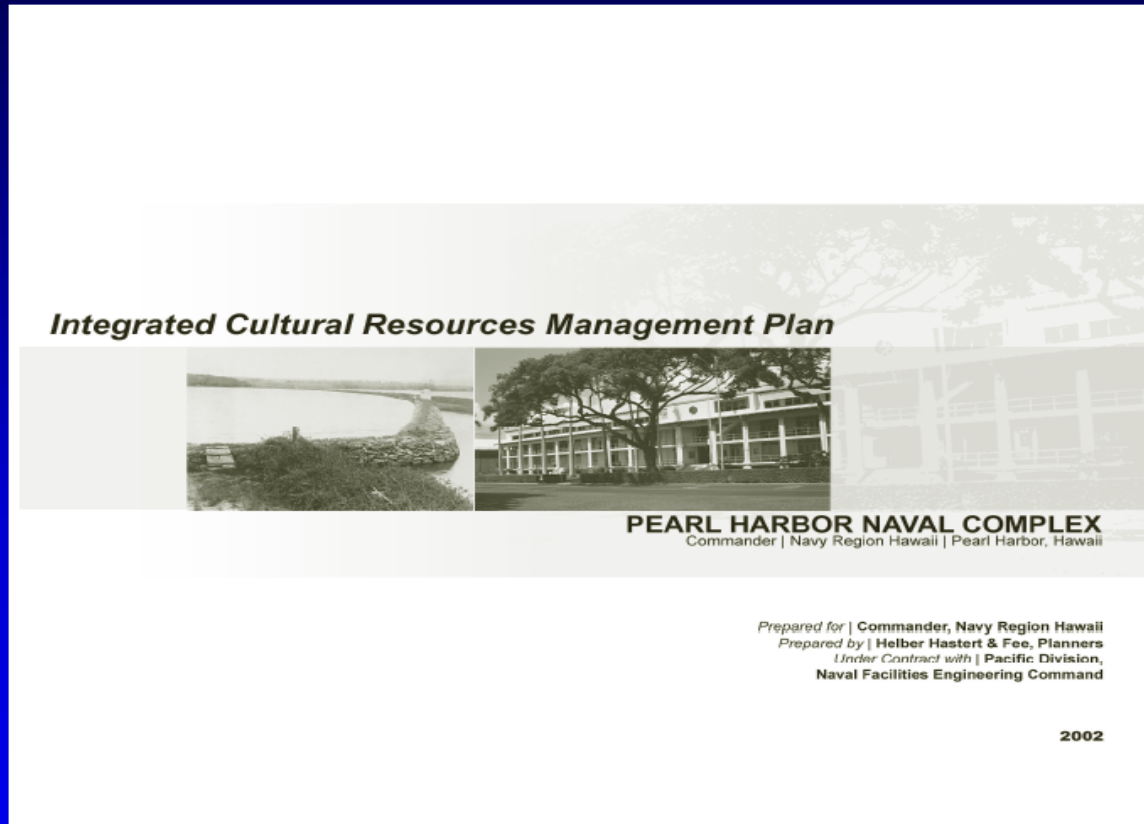


Camp Edwards WWII Barracks

Camp Edwards WWII Barracks



Cultural Landscape Approach In Action



Where do new ideas about eligibility take us?

- **More accurate evaluations**
- **More holistic approaches**
- **More systematic methodologies**
- **Incorporation of cultural resource data into the planning process**



Contact Information

Dr. Susan Enscore, Cultural Resources

ERDC-CERL

P.O. Box 9005

Champaign, IL 61826-9005

217-373-4434

Susan.I.Enscore@erdc.usace.army.mil

