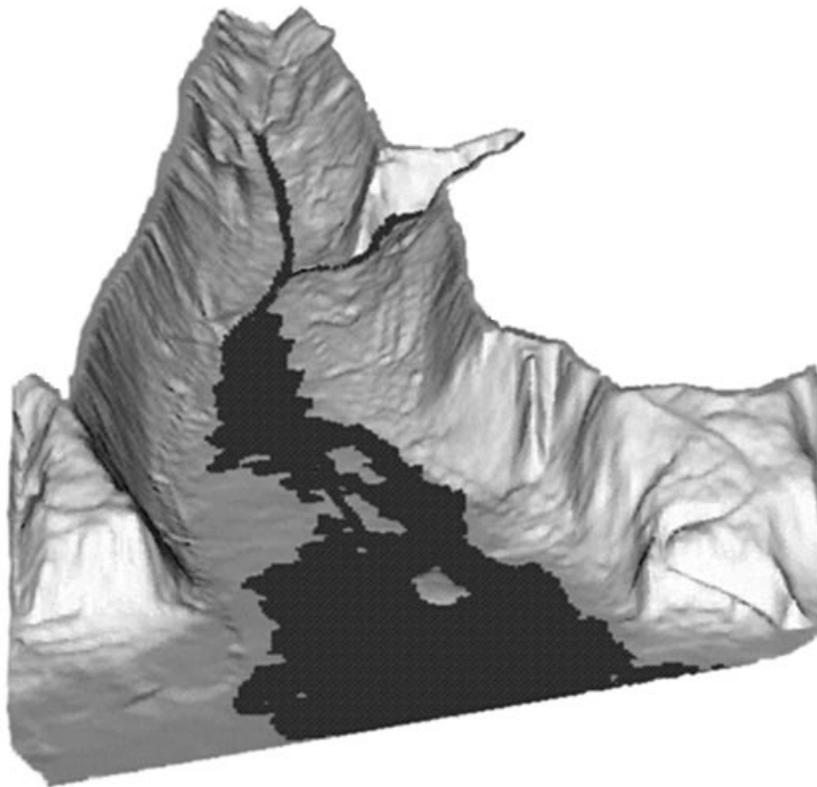




**US Army Corps
of Engineers**
Hydrologic Engineering Center

HEC-GeoRAS

**An application for support of HEC-RAS
using ARC/INFO**



User's Manual

Version 1.0
March 1999

Approved for Public Release. Distribution Unlimited

CPD-75

REPORT DOCUMENTATION PAGEForm Approved
OMB No. 0704-0188

Public reporting burden for this 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, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE March 1999	3. REPORT TYPE AND DATES COVERED Computer Program Documentation	
4. TITLE AND SUBTITLE HEC-GeoRAS An Application for support of HEC-RAS using ARC/INFO			5. FUNDING NUMBERS	
6. AUTHOR(S) Cameron T. Ackerman				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) US ARMY CORPS OF ENGINEERS HYDROLOGIC ENGINEERING CENTER (HEC) 609 Second Street Davis, CA 95616-4687			8. PERFORMING ORGANIZATION REPORT NUMBER CPD-75	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) N/A			10. SPONSORING / MONITORING AGENCY REPORT NUMBER N/A	
11. SUPPLEMENTARY NOTES N/A				
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release. Distribution of this document is unlimited.			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) HEC-GeoRAS is a package of ARC/INFO* macros specifically designed to view and manipulate geospatial data for use in the Hydrologic Engineering Center's River Analysis System (HEC-RAS). The graphical user interface allows users with minimal GIS experience to create a HEC-RAS import file containing geometric attribute data from an existing digital terrain model (DTM). Water surface profile data exported from HEC-RAS simulations may also be used to create inundation maps using HEC-GeoRAS. The HEC-GeoRAS macros are written in the arc macro language (AML) and require the ARC/INFO program with the TIN feature. *ARC/INFO is a general purpose Geographic Information System (GIS) software program developed and copyrighted by the Environmental Systems Research Institute, Inc., Redlands, CA.				
14. SUBJECT TERMS geographic information systems (GIS), digital terrain model (DTM), triangulated irregular network (TIN), HEC-RAS, ARC/INFO, hydraulic model			15. NUMBER OF PAGES 111	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT UNLIMITED	

HEC-GeoRAS

An application for support of HEC-RAS using ARC/INFO

User's Manual

Version 1.0
March 1999

US Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, CA 95616

(530) 756-1104
(530) 756-8250 FAX
www.hec.usace.army.mil