

**Software Release Notice  
Acquired Software**

1. Software Name:  
ArcInfo

Software Version:  
Version 8.0.2

2. Software Function:

The ArcInfo software is a series of programs developed by Environmental Systems Research Institute (ESRI) as a geographical information system (GIS). ArcInfo is a standard GIS program that is used by many government, industrial, and research agencies to display and manipulate geospatial data. Data sets are maintained in discrete data coverages, where numerical and character attributes can be assigned geographic coordinates that reference common spatial coordinate systems. Data attributes can be displayed directly, or mathematically manipulated through direct calculations or functions using attributes from other data coverages. ArcInfo also supports grids, tins, lattices, images, and CAD drawings. ArcInfo command line processing can be run through prompts including ARC, GRID, and ARCEDIT.

3. Summary of Actions:

☐ New Software

☒ Update to Existing Software

☐ Software Retirement

4. Software Installation

4a. Computer Platform(s): SUN/UNIX

4b. Operating System(s): Solaris 9

4c. Programming Language(s): AML

4d. Installation Testing:

☒ Passed      Performed by: Shannon Colton      Testing Performed On: a Sun Microsystems SunFire V880Z server with a Solaris 9 operating system.

Description of Testing Performed: See attachment (ARC commands DESCRIBE and GRIDCLIP were tested).

4e. Archive Copy:

☒ Enclosed

☐ Not Available, Why:

Installation Performed by:  
IMS

Date:  
12 July, 2004

Remarks:

5. Software Assessment

Validation Status:

☐ Full Validation

☐ Limited Validation

Date of Validation:

☒ Not Validated, Explain: To be validated.

Software User:  
Shannon Colton

Date:  
30 August, 2006

Remarks:

6. Approval

Manager: 

Date:  
9/6/06

Remarks:

7. QA Verification

SRN Number: 398

<i>W. J. [Signature]</i>	Date <i>2/14/06</i>
Remarks:	

TOP-6-1 (6/2005)

## Attachment to Software Release Notice for ArcInfo Version 8.0.2

Digital elevation data was obtained from the U.S. Geological Survey National Elevation Database (National Elevation Database, 1999) in the ArcInfo GRID format. The grid ranged from -117° to -116° longitude and 36° to 37° latitude, with a horizontal spatial resolution of 1 arc-second or ~30 m [98 ft]. The ArcInfo command line was accessed, and from the ArcInfo command line, the DESCRIBE command was used to obtain information about the grid. Results are shown below:

### Description of Grid demgrid

Cell Size =	0.000	Data Type:	Floating Point
Number of Rows =	3600		
Number of Columns =	3600		

#### BOUNDARY

#### STATISTICS

Xmin =	-117.000	Minimum Value =	-83.270
Xmax =	-116.000	Maximum Value =	2177.682
Ymin =	36.000	Mean =	896.328
Ymax =	37.000	Standard Deviation =	425.253

### COORDINATE SYSTEM DESCRIPTION

Projection	GEOGRAPHIC		
Datum	NAD83		
Zunits	METERS		
Units	DD	Spheroid	GRS1980
Parameters:			

This information is consistent with the metadata that accompanied the grid. The grid was then cropped using the following command at the Arc command prompt:

```
GRIDCLIP DEMGRID CLIPGRID -116.75 36.25 -116.25 36.75
```

The DESCRIBE command was used to obtain information about the output grid, CLIPGRID. Results are shown below:

### Description of Grid CLIPGRID

Cell Size =	0.000	Data Type:	Floating Point
Number of Rows =	1800		
Number of Columns =	1800		

#### BOUNDARY

#### STATISTICS

Xmin =	-116.750	Minimum Value =	434.583
Xmax =	-116.250	Maximum Value =	2036.366
Ymin =	36.250	Mean =	854.644
Ymax =	36.750	Standard Deviation =	211.576

## COORDINATE SYSTEM DESCRIPTION

Projection      GEOGRAPHIC

The installation test passed because the DESCRIBE command showed results consistent with an input grid having a known range and coordinate system, the CLIPGRID command was used, and the DESCRIBE command used on the resulting output grid showed that the grid range matched the range specified during the CLIPGRID command.

Files used for this installation test are included on a CD-ROM.

### Reference:

National Elevation Database. "dem11737." Sioux Falls, South Dakota: U.S. Geological Survey, EROS Data Center. 1999.