ArcGIS[®] Desktop 9.2

Functionality Matrix





ArcGIS[®] **Desktop 9.2 Functionality Matrix**

Address Matching	ArcReade	ArcView	ArcEdito	ArcInfo
Geocoding Tools				
Geocode Single or Batch Addresses		Х	Х	Х
Use Tools for Processing Addresses That Could Not Be Found		х	Х	х
Use ArcGIS Server for Server-Based Geocoding		Х	Х	Х
Use Multiple Geocoding Locators per Data Source		Х	Х	Х
Geocode Using Alternate Street Names, Intersection, or Place-Name Aliases		х	х	х
Aggregate Multiple Geocoding Locators into a Single Geocoding Locator (Composite Locator)		х	Х	х
Distribute Geocoding Locators without the Reference Data		Х	Х	Х
Create Dynamic Features from Geocoded Locations			Х	Х
Data				
USA Locator for Nationwide Address Matching		Х	Х	Х
Geoprocessing				
Create Address Locator		Х	Х	Х
Geocode Addresses		Х	Х	Х
Rebuild Address Locator		Х	Х	Х
Rematch Addresses		Х	Х	Х
Standardize Addresses		Х	Х	Х

Data Support and Interoperability

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Raster Data Support	ArcReade	ArcView	ArcEdito	ArcInfo
Direct Read of Raster Data		1		
ARC Digitized Raster Graphics (ADRG)		Х	Х	Х
Band Interleaved by Line (ESRI BIL), Band Interleaved by Pixel (ESRI BIP), or Band Sequential (ESRI BSQ)		х	х	х
Bitmap, Device Independent Bitmap (DIB) Format, or Microsoft Windows Bitmap		х	Х	х
Compressed ARC Digitized Raster Graphics (CADRG)		Х	Х	Х
Controlled Image Base (CIB)		Х	Х	Х
Digital Geographic Information Exchange Standard (DIGEST), ARC Standard Raster Product (ASRP), or Universal Transverse Mercator (UTM)/Universal Polar Stereographic (UPS) Standard Raster Product (USRP)		х	х	х
Digital Terrain Elevation Data (DTED) Levels 0, 1, and 2		Х	Х	Х
ER Mapper's ECW		Х	Х	Х
ERDAS 7.5 GIS, 7.5 LAN, and RAW		Х	Х	Х
Hierarchical Data Format (HDF) 4 ²		Х	Х	Х
Intergraph Raster Files: CIT [™] Binary Data; COT [™] Grayscale Data		х	х	х
Joint File Interchange Format (JFIF)		Х	Х	Х
Multiresolution Seamless Image Database (MrSID Generations 2 and 3)		х	Х	х
National Imagery Transmission Format (NITF)		Х	Х	Х
Oracle Spatial GeoRaster		Х	Х	Х
Portable Network Graphics		Х	Х	Х
PCIDSK (PIX) ²		Х	Х	Х
PCRaster (MAP) ²		Х	Х	Х
United States Geological Survey (USGS) ASCII Digital Elevation Model (DEM) ²		Х	Х	Х
XPixMap (XPM) ²		Х	Х	Х
Direct Read and Write of Raster Data				
ERDAS IMAGINE		Х	Х	Х
ESRI® GRID and GRID Stack		Х	Х	Х
Geodatabase Raster		Х3	Х	Х
Graphic Interchange Format		Х	Х	Х
Joint Photographics Experts Group		Х	Х	Х
JPEG 2000 (JP2)		Х	Х	Х
Portable Network Graphics		Х	Х	Х
Tagged Image File Format (GeoTIFF tags are supported.)		Х	Х	Х
Oracle Spatial GeoRaster			Х	Х
Geodatabase Raster Management				
Create and Edit Raster Attribute Tables for All Supported Single Band Raster Formats		Х3	Х	х
Create and Manage Rasters in Personal and File Geodatabases		х	х	х
Compress Geodatabase Rasters with LZ77, JPEG, or JPEG 2000 Compression Algorithms		Х3	Х	х
Create and Manage Raster Data in a Multiuser Geodatabase			Х	х

 $^2~$ These formats can be written to through programming with the ArcObjects $^{\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!}$ API. ³ ArcView can only create geodatabase rasters or raster attribute tables in personal or file geodatabases. ArcEditor and ArcInfo can create and manage geodatabase rasters in personal, file, and multiuser geodatabases.

Map and Symbology Files		Ă.	Arc	Arclr
Read Published Map Files (from ArcGIS Publisher)	Х	Х	Х	Х
Create and Edit Map Documents (.mxd)		Х	Х	Х
Save Layer Files (.lyr) and Map Documents (.mxd) in ArcGIS 9.1 or 8.3 Format		х	х	х
Use Map Templates (MXT) to Standardize Maps		Х	Х	Х
Import ArcView 3.x APR and AVL Files		Х	Х	Х
Direct Read of Vector Data				
Personal Geodatabase for Microsoft [®] Access [™]		Х	Х	Х
File Geodatabase		Х	Х	Х
Personal, Workgroup, and Enterprise Geodatabases		Х	Х	Х
Shapefiles		Х	Х	Х
ArcInfo Coverages		Х	Х	Х
PC ARC/INFO® Coverages		Х	Х	Х
Smart Data Compression (SDC) Data		Х	Х	Х
Vector Product Format (VPF) Data		Х	Х	Х
ArcWeb Services		Х	Х	Х
ArcGIS Server Services		Х	Х	Х
ArcIMS® Services		Х	Х	Х
Geography Network [™] Feature Service		Х	Х	Х
Open Geospatial Consortium, Inc. (OGC), Web Map Server (WMS)		х	Х	х
OGC GML Simple Features Access ⁴		Х	Х	Х
OGC GML Simple Features Import/Export ⁴		Х	Х	Х
OGC GML Web Feature Service Access for Simple Features-Based Services ⁴		х	Х	Х
Network Common Data Form (netCDF)		Х	Х	Х
Direct Editing of Vector Data				
Personal Geodatabase for Access Simple Features		Х	Х	Х
File Geodatabase		Х	Х	Х
Shapefiles		Х	Х	Х
Personal, Workgroup, and Enterprise Geodatabases			Х	Х
ArcInfo Coverages				Х
Direct Read of Other Data				
Geodatabase Terrains		Х	Х	Х
Microsoft Excel Worksheets		Х	Х	Х
ESRI TIN		Х	Х	Х
dBASE (DBF)		Х	Х	Х
Text (TXT)		Х	Х	Х
ESRI INFO Files		Х	Х	Х
OLE DB Connections		Х	Х	Х
ODBC Connections		Х	Х	Х
Microsoft Access		Х	Х	Х
Coordinate Systems				
More than 650 Predefined Geographic Coordinate Systems		х	х	х
More than 2,750 Predefined Projected Coordinate Systems		Х	Х	Х
More than 90 Predefined Vertical Coordinate Systems		Х	Х	Х
Ability to Create and Use Custom Coordinate Systems		Х	Х	Х

CAD Support	ArcReader	ArcView	ArcEditor	Arclafa
CAD File Support		1		
Autodesk Drawing Exchange Format (DXF)		Х	Х	Х
AutoCAD Drawing File (DWG)		Х	Х	Х
MicroStation Design Files (DGN, etc.)		Х	Х	Х
Direct Read of CAD Data				
Display CAD Features and Annotation Based on CAD File's Display Properties		х	х	Х
Display Block Attributes and Tags as CAD Annotation Features		х	х	Х
Display Entire CAD Drawing or Individual CAD Features by Geometric Type and Definition Query		х	х	Х
Override CAD Symbology with Standard ArcGIS Display Tools		х	Х	>
Control CAD Layer Visibility		Х	Х	X
Access CAD Entity Properties and Attributes through a CAD Feature Attribute Table		х	х	>
Directly Use CAD Data for Display, Query, Analysis, or Geoprocessing		х	Х	>
Editing with CAD Data				
Copy and Paste CAD Features Directly into Other GIS Feature Classes		х	х	Х
Snap to CAD Data while Editing		Х	Х	X
CAD Features Save Directly to GIS Feature Classes		Х	Х	X
Coordinate Systems				
Select and Save Coordinate System Definitions with CAD Data		х	х	>
Graphically Align CAD Data with Other GIS Data and Store the Transformation Definition (Georeferencing)		х	х	>

Intersection

Raster Snapping Environment Available to All Editor Sketch Tools

Ignore Holes in Data While Snapping

Ignore Holes in Raster Linear Features

Simultaneously Capture Line and Polygon Vectors

Reduce Vectors (Compression) on Creation

Use Variable Methods for Resolving Intersections

Vectorize Raster Lines Less Than or Equal to Specified

Vectorization Tracing Interactively Trace Raster Lines

Automatic Vectorization Vectorize Entire Raster

Vectorize Specific Raster Area

Vectorization Parameters

Smooth Vectors on Creation

Save and Load Parameters

Vectorization Preview

Jump Gaps (Dashes) within Raster

Use Dynamic Vectorization Preview

Change Preview Symbology

Width

Snap to Raster Linear Feature of Specified Width or Less Snap to Solids within Specified Diameter

х х

х х х х

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ХХ

X X

х х

Create Tables/Feature Classes That Store Custom Objects/Features

ZIP (Compressed Text File with 4 GB File Size Limit)

Z (Compressed Text File with No File Size Limit)

Update RDBMS Statistics for GIS Data

Interchange File Import/Export

XML

х х

X X

х х

X X

Overlay Route Events

Locate Features along Routes

Transform Route Events

X X X

X X X

X X X

Ends

Solid

Application Fran	new	/ork		
Application Customization	ArcReader	ArcView	ArcEditor	ArcInfo
Application Look and Feel				
Dockable/Floating Toolbars		Х	Х	Х
UNICODE Support for Multilanguage Attributes		Х	Х	Х
Complies with Microsoft Windows Display Settings		Х	Х	Х
Customization				
Drag and Drop to Rearrange Tools/Toolbars		Х	Х	Х
Create New Toolbars or Menus without Programming		Х	Х	Х
Create and Save Macros Using Visual Basic for Applications (VBA)		х	х	Х
Extend the Applications with any COM-Compliant Development Environment		х	х	Х
Build New ArcGIS Components with .NET Using Microsoft Visual Studio Add-Ins, Templates, and Code Samples		х	Х	Х

Page Layout and Printing	ArcReader	ArcView	ArcEditor	ArcInfo
Map Elements				
Title		Х	Х	Х
Text		Х	Х	Х
Neatlines		Х	Х	Х
Legend		Х	Х	Х
North Arrows		Х	Х	Х
Scale Bar		Х	Х	Х
Scale Text		Х	Х	Х
Pictures		Х	Х	Х
OLE Objects		Х	Х	Х
Measured Reference Grid		Х	Х	Х
Graticules		Х	Х	Х
Export Formats				
Enhanced Metafile (EMF)		Х	Х	Х
Windows Bitmap (BMP)		Х	Х	Х
Encapsulated PostScript (EPS)		Х	Х	Х
Tagged Image File Format (TIFF)		Х	Х	Х
Portable Document Format (PDF)		Х	Х	Х
Joint Photographics Experts Group (JPEG)		Х	Х	Х
Portable Network Graphics (PNG)		Х	Х	Х
Graphic Interchange Format (GIF)		Х	Х	Х
Scalable Vector Graphics (SVG)		Х	Х	Х
Adobe Illustrator (AI)		Х	Х	Х
PostScript Color Separates (with Page Marks)		Х	Х	Х
Print with the Following Print Drivers				
Windows	Х	Х	Х	Х
PostScript		Х	Х	Х
ArcPress [™] HP RTL (RGB, CMYK, and Monochrome)		Х	Х	Х
ArcPress HP PCL (RGB, CMYK, and Monochrome)		Х	Х	Х
Process Print Jobs on the Local Machine for Faster Printing		Х	Х	Х

Map Text	ArcReader	ArcView	ArcEditor	ArcInfo
Labels				
Creating Dynamic On-the-Fly Labels		Х	Х	Х
Automatic Conflict Detection and Label Placement		Х	Х	Х
Label Placement Rules for Setting Priority between Layers		Х	Х	Х
Placement Rules for Setting Importance of Labels vs. Features		х	х	х
Many Predefined Label Styles (e.g., Highway Shields)		Х	Х	Х
Labels Rotate from an Attribute Field		Х	Х	Х
Multiple Dynamic Labeling Schemes Built for Each Map Layer		х	х	х
Control Which Features in a Layer Display Labels		Х	Х	Х
Advanced Text Formatting Tags for Dynamic Label Symbology		Х	х	х
Annotation				
Use Interactive Label Tools (Callout, Label, Spline, and Paragraph Text)		х	х	х
Create Text Annotation Data from Labels		Х	Х	Х
Annotation Editing				
Interactively Move, Rotate, and Scale Annotation		Х	Х	Х
Add Horizontal or Angled Annotation		Х	Х	Х
Add Annotation with a Leader Line		Х	Х	Х
Create Annotation That Follows a Curved Line or the Shape of an Existing Feature		х	х	х
Dynamically Pull Annotation Values from Layers in the Map		х	х	х
Interactively Manage Annotation That Could Not Be Placed during Initial Annotation Creation		Х	х	х
Edit Each Word in an Annotation String Independently		Х	Х	Х
Interactively Stack and Unstack Annotation		Х	Х	Х
Flip Annotation Strings		Х	Х	Х
Interactively Modify the Curvature and Orientation of a Line		Х	х	х
Edit the Symbology of a Single Annotation Feature or a Group of Annotation Features Simultaneously		Х	х	х
Annotation and Dimensions Management				
Store Annotation in a Geodatabase or a Map Document		Х	Х	Х
Create Annotation Subclasses		Х	Х	Х
Create Aligned Dimensions Displaying the True Distance between Points			х	х
Create Linear Dimensions Displaying Horizontal, Vertical, or an Angled Distance between Points			х	х
Create and Edit Feature-Linked Annotation Feature Classes in a Geodatabase			х	х

Advanced Labeling ¹	ArcReader	ArcView	ArcEditor	ArcInfo
Advanced Label Placement Rule Set				
Street Placement				Х
Customizable Dynamic Stacking				Х
Font Reduction				Х
Customizable Abbreviation				Х
Polygon Boundary Placement				Х
Repeated Labeling				Х
Character Spreading				Х
Word Spreading				Х
Label Overrun on Features				Х
Curved Polygon Placement				Х
Graticule Labeling Alignment				Х
User-Defined Point Label Zones				Х
Background Labeling				Х
Land Parcel Placement				Х
Advanced Feature Weighting				Х
Advanced Label Offsets				Х
Advanced Line Label Positions				Х
Advanced Curved Label Placement				Х
¹ The advanced labeling functionality is available through the can be purchased with ArcView or ArcEditor but is automatic				

Advanced Cartography	ArcReader	ArcView	ArcEditor	ArcInfo
Cartographic Editing Tools				
Store Multiple Representations of GIS Features in a Geodatabase for Use in a Variety of Map Products			х	х
Create Rules That Dynamically Manipulate the Geometry			х	х
and Symbology of a Feature (Representation Rules) Share Representation Rules through Style Files			x	Х
Change the Shape or Symbology for a Single Feature without Changing the GIS Data It Represents			х	х
Define Feature Visibility and Transparency for Each			х	Х
Feature or Based on an Attribute Mask Individual Features or Parts of Features without				
Masking All Features in a Layer			X	X
Dynamically Place Point Symbols along Lines or Polygons Dynamically Modify the Geometry That Is Displayed for a			x	X
Feature (Geometric Effects) Point Geometric Effects			~	Х
Buffer			х	х
Radial from Point			Х	Х
Line Geometric Effects				
Add Control Points Cut Curve			X	X
Dashes			X	X
Offset Curve			Х	Х
Reverse Curve			Х	Х
Simplify			Х	Х
Smooth Curve			X	Х
Buffer Enclosing Polygon			X	X
Polygon Geometric Effects				
Cut Curve			Х	Х
Dashes			Х	Х
Add Control Points			Х	Х
Buffer			X	X
Enclosing Polygon			X	X
Offset Curve			Х	Х
Simplify			Х	Х
Smooth Curve			Х	Х
Interactive Symbol Editing Use the Marker Editor to Edit the Characteristics of a				
Point Symbol Edit the Entire Representation or a Small Portion of One or			X	X
More Representations			X	X
Move an Entire Symbol Move Line Symbols Parallel			X	X
Add, Delete, or Move Symbol Vertices			X	X
Modify the Geometric Effects of a Symbol: Line Width,			х	х
Hatch Size Move Linear Geometries Parallel			X	x
Reshape and Move a Feature to Align One Specified Point				
with Another (Warp)			Х	Х
Erase All or Part of a Symbol Resize a Feature Symbol by Resizing Its Bounding Box			X	X
Resize a Feature and Its Geometric Effects Simultaneously				
Using a Ratio			Х	Х
Rotate Feature Symbols Interactively or by a Specific Angle			X	X
Orient a Symbol to a Specific Angle Reshape Symbols with Bézier Curves			X	X
Specify Locations along a Symbol Where a Pattern Must			x	x
Apply (Control Points) Geoprocessing Graphic Quality			~	~
Detect Graphic Conflict				Х
Geoprocessing Masking Tools				
Cul-de-Sac Masks				Х
Feature Outline Masks				Х
Intersecting Layers Masks				Х
Geoprocessing Representation Management				
Add Representation				X
Calculate Representation Rule Drop Representation				X
Remove Override				X
Select Feature by Override				х
Set Layer Representation				Х
Update Override				Х
Geoprocessing Symbolization Refinement Align Marker to Stroke or Fill				v
Align Marker to Stroke or Fill Calculate Geodesic Angle				X

Calculate Polygon Main Angle Create Overpass Create Underpass

Set Representation Control Point by Angle

Calculate Line Caps

Mapping				
марріну				
Map Interaction	rcReader™	rcView°	rcEditor	rcInfo®
• Map Navigation	4	4	<	4
Pan and Zoom the Map	х	х	х	Х
Find an X,Y (Latitude-Longitude) Location on a Map	Х	Х	Х	Х
Zoom to the Full Study Area of the Map	Х	Х	Х	Х
Zoom to the Extent of a Layer	X	X	X	X
Zoom to the Visible Scale of a Layer Zoom to a Specific Map Scale	X	X	X	X
Use Spatial Bookmarks	X	X	X	X
Access Hyperlinks	Х	Х	Х	Х
Use Dynamic MapTips	Х	Х	Х	Х
Use Magnification Window	X	X	X	X
Interactively Reveal Areas beneath a Specific Layer (Swipe) Save and Manage Locations for Use with Multiple Maps				
(My Places)	Х	Х	Х	Х
Pan and Zoom the Map with the Mouse Wheel		X	X	X
Pan and Zoom to Selected Features Switch Any Tool to a Pan/Zoom Tool Using Hot Keys		X	X	X
Create Hyperlink to External Application, Macro, or URL		X	X	X
Create and Manage Spatial Bookmarks		Х	Х	Х
Use Overview Window		Х	Х	Х
Use Viewer Windows for Displaying Different Parts of a Map		Х	Х	Х
Queries	Х	Х	х	V
Identify Features in the Map Interactively Measure Distances and Areas	X	X	X	X
Find Features in the Map	X	X	X	X
Find Places Using the ESRI Online Place Finder	х	Х	х	Х
Select Data by Location		Х	Х	Х
Select Data by Attribute		Х	Х	Х
Interactively Select/Unselect Features Unselect All, Switch the Selection, or Select All Features		X	X	X
Tables		~	^	~
Flash, Zoom to, Pan to, and Identify Individual Features in a Map Based on a Record in the Attribute Table		х	х	Х
Interactively Highlight Selected Records/Features		Х	Х	Х
Zoom to and Unselect Highlighted Records/Features Interactively Add and Remove Records from a Selection		X	X	X
Copy Selected Records for Pasting into Other Applications		X	X	X
Turn Fields Off and On and Change Field Order and Size		Х	х	Х
Modify a Table's Appearance by Changing Cell and Field Size, Font, and Color		х	х	х
Graphs				
Plot Data from a Variety of Datasets in a Single Graph		х	х	Х
Create 2D and 3D Graphs		Х	Х	Х
Overlay Multiple Graphs in a Single Graph		Х	Х	Х
Selections Automatically Propagate between Map, Table, and Graph Graph Types		Х	Х	Х
Horizontal and Vertical Bar, Line, and Area		Х	х	Х
Histogram Bar		Х	х	Х
Scatter Plot		Х	Х	Х
Box Plot		X	X	X
Pie USA Routing (StreetMap [™] USA)		Х	Х	Х
Use Nationwide USA Point-to-Point Street Routing		Х	х	Х
Add Route Stops from Addresses and Existing Features		х	х	х
and Interactively Add Stops on the Map Add Route Barriers from Addresses and Existing Features and Interactively Add Stops on the Map		Х	Х	Х
Snap Stops to Closest Address Using an Address Locator		Х	Х	Х
Customize the Route for Quickest or Shortest Route		Х	Х	Х
Reorder the Stops to Find the Fastest Route between Unordered Stops Modify Speed and Restriction Attributes of the Routing		Х	Х	Х
Service Specify Trip Planning Timing (Start, Stop, Breaks, etc.)		X X	X X	X X
Generate HTML Directions Using an Overview Map, Turn-by-Turn Maps, and Vicinity Maps		х	х	х
ArcWeb [™] Services				
Manage ArcWeb Services Account	Х	Х	Х	Х
		Х	Х	Х
Add Data from ArcWeb Services				
Find Route (Streets)	Х	Х	Х	Х
	x x x	x x x	x x x	x x x

X X X X

Export Routes and Stops to Shapefile X X X

Find Nearby Places Report

Map Display	ArcReader	ArcView	ArcEditor	∆rcInfo
General Mapping Visualize the Map Page or a Specific Set of Data	х	X	х	Х
Perform On-the-Fly Projection of All Data	Х	Х	Х	Х
Enable Full Cartographic Visualization of Any PMF File	X X	X X	X X	X
Interactively Set Percent Transparency for All Data Layers Set a Minimum and Maximum Scale to Display Data	^	X	X	X
Clip the Map Display to a Feature or Graphic		Х	Х	Х
Create Graticules, Measured Grids, and Reference Grids Create Extent Rectangles for Other Data (Reference and		X	X	Х
Overview Maps)		X	X	X
Create Variable Depth Layer Masking Tabular Data		Х	Х	Х
Create On-the-Fly Dynamic Joins between Different Databases		х	х	х
Create and Use Many-to-One and One-to-Many		Х	х	х
Relationships Create Statistics		X	X	x
Summarize Data		X	X	X
Interactively Change the Visibility of Fields		Х	Х	Х
Simplify Field Names with Field Aliases		X	X	X
Create Charts and Reports Build Detailed Reports Using Crystal Reports		x	X	X
Sort by Multiple Attributes		Х	Х	Х
Connect to and Use Remote Database Tables Display Tabular X,Y Point Data from a File or Table on a Map		X	X X	X
Vector Data Display		~	^	~
Control Selection Color for Each Dataset		х	Х	Х
Create MapTips		Х	Х	Х
Fix Symbology to a Specific Map Scale Interactively Exclude Specific Features from the Display		X	X	X
Control Which Features to Display Using a SQL Query		Х	Х	Х
Control Which Data Fields Are Accessible from the Map		Х	Х	Х
Thematic Vector Data Classifications Single Symbol		Х	Х	х
Unique Value		X	X	X
Match to Predefined Style		Х	Х	Х
Graduated Colors or Symbols Proportional Symbols		X	X X	X
Dot Density Mapping		X	X	X
Chart Mapping Including Pie and Bar Chart		Х	Х	Х
Bivariate and Multivariate Data Rendering		X	X	Х
Interactive Histogram for Data Classification Symbology		Х	Х	Х
Use Interactive Symbol Composer		х	Х	Х
Control Symbol Draw Order		Х	Х	Х
Access More Than 18,000 Predefined Symbols Use Halos and Advanced Background Symbols		X	X	X
Define Symbols for Fill, Lines, Outlines, and Points		X	X	Х
Support User-Imported Graphic Fill Patterns		Х	Х	Х
Surface Display		v	v	х
Faces, Nodes, and Triangles Slope		X X	X X	X
Hillshade		х	Х	Х
Aspect		X	X	Х
Elevation Sun Position		X X	X X	X
Raster Data Display				
Display Multiband Images by Assigning Color Values to the Bands		х	Х	Х
Use Individual Band Settings		Х	Х	Х
Display Each Unique Value with a Discrete Color Display Image Values Using a Color Map		X	X	X
Display Multiband Raster Data Using Color Values		X	X	X
Save Current Display Statistics		Х	Х	Х
Control Raster Display Contrast and Brightness		X	X	Х
Orthorectify On the Fly On-the-Fly Panchromatic Sharpening		X X	X X	X
On-the-Fly Hillshade Effect for Elevation Data		Х	Х	Х
Display Raster Catalog Tiles as a Time Series		Х	X	Х
Import Renderer or Statistics from Another Layer Display Raster Values while Navigating the Map with		X	X	X
MapTips		X	X	X
Display Raster Resolution in Map Table of Contents Raster Display: Gradual Color Ramp Data-Strete	china /	× Alaoritl	X hms	Х
Standard Deviations		x	Х	Х
Histogram Equalize		X	X	Х
Minimum-Maximum Custom		X X	X X	X
None		Х	Х	Х
Raster Display Statistics				
Based on the Entire Raster Dataset Based on the Display Extent		X	X	X
Based on a Custom Extent		X	X	Х
Raster Display Resample Methods				
Nearest Neighbor		X	X	X
Bilinear Interpolation Cubic Convolution		X	X	X
Majority		Х	Х	Х
Raster Display Classification Methods		N.	v	
Equal Interval Define Interval		X X	X X	X
Quantile		X	X	X
Natural Breaks (Jenks)		Х	Х	Х
Standard Deviation Rester Catalog Footprint Display		Х	Х	Х
Raster Catalog Footprint Display Footprints Only		Х	Х	Х
Selected Footprints		X	X	x
Raster Tools				
Pixel Inspector Animation		Х	Х	Х
Create Time Series, Layer Transition, or Map Navigation		х	х	х
Animation Animate Data Change with Tabular (Charts), Vector,				
Animate Data Change with Tabular (Charts), Vector, Raster Catalog, and netCDF Data		Х	Х	Х

	Reader	View	Editor	nfo
Data Editing General Editing	ArcR	ArcV	ArcE	Arch
Simultaneously Edit Multiple Layers Perform Unlimited Undo/Redo Operations		X X	X X	X X
Integrate with ArcPad" for Field Editing Provide Digitizer Support for Devices with Wintab Compliant Drivers		X X	X X	X X
Make Measurements Using Any Units Optionally Scale Features When Individual Vertices Are		X X	X X	x
Moved Automatically Correct Ground Measures Appropriately in the GIS		x	x	x
Snap Tips Indicating What Is Being Snapped To Dockable Snapping Dialog Makes It Quick and Easy to		X X	X X	X X
Change Snapping While Editing Simple Editing of Multipatch (3D) Features Snapping by Layer		X	X	X
Vertex Edge		X X	X X	X X
Endpoint Snapping to New Geometry		Х	Х	Х
Edges Vertices		X X	X X	X X
Perpendicular Snapping to Topology Elements		Х	Х	Х
Topology Nodes Snapping Tolerance		Х	Х	Х
By Pixels By Map Units Later stickle		X X	X X	X
Interactively Geometry Construction Options Constrain the Next Segment by Direction		X	X	X
Constrain the Next Segment with a Deflection Angle from Last Segment		X	x	x
Constrain the Next Segment by Length Specify an Exact X,Y Location		X X	X X	X X
Specify an X,Y Difference from the Last Vertex Constrain the Next Segment to Be Parallel to the Last Segment		x x	x x	X X
Constrain the Next Segment to Be Perpendicular to the Last Segment		Х	х	Х
Constrain the Next Segment Based on an Angle from an Existing Feature Segment in the Map Create Geometry from Existing Features in the Map		X X	X X	X X
Create a Curve Tangent to the Last Segment Finish a Polygon by Generating Perpendicular Segments from the First and Last Segment		x x	x x	X X
Flip the Orientation of the Geometry Trim Geometry to a Specific Length		X X	X X	X X
Geometry Creation Tools Point and Click On-Screen Digitizing		Х	Х	Х
Use Stream Digitizing Add a Coordinate Based on an Angle from One Location and a Distance from Another		X X	x x	X X
Add a Coordinate Based on the Implied Intersection of Two Segments		Х	х	х
Construct a True Curve Construct a Tangent Curve		X X	X X	X
Construct Rectangles and Circles Add a Coordinate Based on a Distance from Two Known Locations		x	x	x
Add a Coordinate at the Midpoint between Two Known Locations		X	X	X
Add Coordinates along Existing Coordinates Create a Curved Line at the Intersection of Two Existing Lines (Fillet)		x x	x	X X
Feature Manipulation Tasks Create Features Using New Geometry		Х	Х	Х
Create New Polygons Using the Geometry of Existing Features (Autocomplete Polygons) Reshape Existing Features		X X	X X	X X
Cut Polygon Features Create Mirror Copies of Existing Features		X X	X X	X X
Extend or Trim Existing Features Split Existing Lines at Their Explicit or Implicit Intersection		X X	X X	X X
Add, Delete, Interactively Move, or Modify the Coordinate Values for Vertex Locations of Existing Features Feature Editing Tools		Х	Х	Х
Move, Rotate, Delete, Copy, and Paste Split a Line at a Distance or Percentage		X X	X X	X X
Divide a Line Based on a Distance, a Number of Segments, or a Measure Value (M-Coordinate)		X	X	X
Buffer Features Copy Lines Parallel to Their Existing Location Merge Existing Features		X X X	X X X	X X X
Create New Features by Merging Features in the Same or Another Layer (Union)		Х	Х	х
Create New Features from the Buffer of Existing Features Create New Polygons by Intersecting Existing Feature Classes		x	x	x
Clip One or More Polygons with Another Polygon Extend and Trim Lines with Other Features in the Map		X X	X X	X X
Attribute Editing Modify Each Selected Row Individually or as a Group (Attributes Dialog)		Х	х	х
Copy Attributes to One or More Rows Simultaneously Calculate Attribute Values Using Scripts (Field Calculator)		X X	X X	X X
Calculate Attribute Values from a Feature's Geometric Properties (Calculate Geometry)		Х	Х	Х
Validate Attribute Values Using Rules Defining Valid Values (Domains) Enter Attributes for New Features as They Are Created		X X	X X	X X
Multipart Features (Point, Line, and Polygon) Add and Delete Parts		Х	Х	Х
Zoom to Parts Add, Delete, and Edit Vertex Locations		X X	X X	X
Create Separate Features from Each Part (Explode) Map Navigation While Editing Zoom to Feature Vertices		X	X	X
Zoom to Feature Ventes Zoom to Feature Parts Pan and Zoom to Unplaced Annotation or the Feature		X X	X X	X
Associated with the Unplaced Annotation Vector Data Transformations		Х	X	X
Rubber Sheeting Transformation Affine Transformation		X X	X X	X
Similarity Transformation Projective Transformation Edgematching Transformation		X X X	X X X	X X X
Transfer Accurate Attributes from Features with Inaccurate Geometry to Features with Accurate Geometry (Conflation)		x	x	x
Commandin/ Copy Feature Geometry from One Location/Layer to a New Location/Layer		Х	х	х
Generalization Smooth Line Features		Х	Х	Х
Simplify the Shape of Line Features (Generalize) Coordinate Geometry (COGO) Automatically Modify Field Managing to the GIS (Ground		Х	X	Х
Automatically Modify Field Measures to the GIS (Ground to Grid) with Interactive Tools or by Specifying an Offset and Scale			X	X
Create Fields to Store COGO Measurements Add New Features by Specifying Courses along a Traverse Create Two-Point Line Features with a Variety of Curve			X X	X
Create Two-Point Line Features with a Variety of Curve and Straight-Line Construction Methods Create New Lines from a Strip Description (Offset Line)			X X	X X
Construct Symmetrical or Asymmetrical Cul-de-Sacs from a Street Centerline Split a Line at Specific Intervals (Proportion)			x x	X X
Merge Multiple Straight Lines into a Single Two-Point Line with Updated COGO Attributes			x	x
Populate COGO Measurements from the Geometry of a Feature (Inverse) Examine COGO Characteristics of Existing Features (COGO			X	x
Report) Calculate All Missing Measurements of a Curve from Any			x x	x x
Two Measurements			х	х
Compare Measured Polygon Area with Legal Polygon Area (COGO Area)			Х	Х
Compare Measured Polygon Area with Legal Polygon Area				
Compare Measured Polygon Area with Legal Polygon Area (COGO Area) Split Existing Lines into COGO Lines Raster Editing and	teader	/iew	dito	ofu
Compare Measured Polygon Area with Legal Polygon Area (COGO Area) Split Existing Lines into COGO Lines Raster Editing and Vectorization ⁵	R ArcReader	ArcView	ArcEdito	ArcInfo
Compare Measured Polygon Area with Legal Polygon Area (COGO Area) Split Existing Lines into COGO Lines Raster Editing and	S: ArcReader	ArcView	x x ArcEdito	x x ArcInfo
Compare Measured Polygon Area with Legal Polygon Area (COGO Area) Split Existing Lines into COGO Lines Raster Editing and Vectorization ⁵ Vectorize All Raster Formats Supported in ArcG 1 Bit Raster Data	Si ArcReader	ArcView		

Raster Editing and /ectorization ⁵ (continued)	ArcReade	ArcView	ArcEdito	ArcInfo
aster Cell Selection Select Foreground or Background Cells Select Connected Cells Internetingly			X	X
Select Connected Cells Interactively Select Connected Cells by Count Select Connected Cells by Diagonal Area			X X X	X X X
aster Cleanup Environment Undo/Redo Raster Cleanup Operations			X	X
Erase or Fill Selected Cells Save Selected Cells to New Raster			X	X
aster Cleanup Painting Tools Brush			Х	Х
Erase Basic Shapes (Line, Square, Ellipse, and Polygon)			X X	X X
Erase Connected Cells upport Tools			X	X
Discover Raster Line Width Discover Raster Solid Diameter		010	X	X
⁵ The vectorization functionality is available through the ArcSc be purchased with ArcView but is automatically included wit				
A-1-1-	Reader	View	Editor	Info
Mobile IPS Support	Arc	Arc	Arc	Are
Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point		X X	X X	X X
Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection		X X	X X	X X
Support Windows XP Tablet PC Edition		X X	X X	X
Edit Features or Graphics with a Stylus Use Ink Gestures to Perform Common Mapping Tasks Annotate the Map with Redlining and Highlighting Tools		X X	X	X
Find Handwritten Notes within the Map Convert Redlining Handwriting to Text		X X	X X	X X
Aultiuser Geodatabase	ader	8	tor	0
diting	ArcRe	ArcVie	ArcEdi	ArcInf
eneral Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase			х	х
Isolate Editing Projects in Separate Versions (Create Version) Enabling a Variety of Workflows			Х	Х
Merge Versions (Reconcile and Post) Manage Conflicts between Editors by Row or Column			X X	X X
Manage Conflicts between Editors Interactively or Automatically Delete Versions			x x	X X
Simultaneously View and Edit Versioned GIS Data in ArcGIS and Non-ArcGIS Applications			X	X
dministration Geoprocessing Modify Data Privileges for Data in a Multiuser Geodatabase			х	Х
Register SDE" Data with the Geodatabase Clean Up Versioning Tables (Compress)			X X	X X
Add and Remove Tables and Feature Class from the Versioning Environment (Register and Unregister as Versioned)			х	х
ersioning Geoprocessing Alter Version			Х	Х
Create Version Delete Version			X X	X X
Post Version Reconcile Version Register as Versioned			X X X	X X X
Register as Versioned Unregister as Versioned hort Transaction Editing			X	X
Edit Nonversioned Simple Features Create Features and Enter Attributes for That Feature within a Single Database Transaction			X X	x x
	La la			
Multiuser Geodatabase Archiving	ArcRead	ArcView	ArcEdito	ArcInfo
isplay and Query View the Geodatabase at a Specific Point in Time		x	X	X
Query Archived Data Directly Ianage		Х	Х	Х
Enable and Disable Archiving for a Table or Feature Class Create Saved Views of the Geodatabase at a Specific Point in Time			x	x
	ıder	3	tor	
Distributed Geodatabases	ArcRe	ArcVie	ArcEdi	ArcInf
Ianage Replicas Create Replicas of Vector and Raster Data Using a Filter			Х	Х
Create and Manage Checkout/Check-In, One-Way, or Two-Way Geodatabase Replicas Synchronize Connected Replicas			X X	X X
Exchange Edits between Disconnected Replicas with an XML, ZIP, Z, or Geodatabase Delta File			X	X
Compare Schemas between Replicas Exchange Schema Changes between Replicas Generate a Feature Class Containing the Rectangular			X	X
Extent of a Replica isconnected Editing Geoprocessing			X	X
Check In Check Out Check In from Delta		X X	X X X	X X X
Export to Delta istributed Geodatabases Geoprocessing			х	
Add Global IDs Compare Replica Schema			~	Х
Create Replica			X X X	X X X
Create Replica from Server			X X X X X	X X X X X
Create Replica Footprints Export Acknowledgment Message			X X X X X X X	X X X X X X X X
Create Replica Footprints			X X X X X X	X X X X X X
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Create Replica Footprints Export Acknowledgment Message Export Replica Schema Import Message Import Message Import Message Import Message Synchronize Changes Spatial Referencing Image Spatial Referencing Image Solution (Geooreferencing) Solution Shift, Flip, Rotate, or Fit Image to Display Interactively Specify from and to Control Points Save and Load Control Points with Error and Accuracy Information Import Spatial Reference Information Create an New Dataset (Rectify) Save Reference Information with the Image Data Manage Gis Data and All Associated Files from a Single Tree View Application (ArcCatalog") Manage Raster Datasets and Raster Catalogs in a Personal Create Single-User (Personal or File) Geodatabase Feature Classes Create Single-User (Personal or File) Geodatabase Feature Classes Create Shapefiles Administer ArcGIS Server Connect to Mathase Authentication Type Location Date Add/Modify Tic Locations Set Coordinate System Change Relationship Classes Create A New Overage Create A New Coverage Data Add/Modify Tic Locations Set Coordinate System Change Toler ances ML/CASE Tool Integration Create A New Overage Create A New NIPO File Modify Coverage Tolerances	Arc	x x x x x x x x x x x x x x x x x x x	ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING ACCEDING 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Attribute Validation	ArcRead	ArcView	ArcEdito	ArcInfo
ubtypes Geoprocessing Add Subtype Remove Subtype		X X	X X	X
Set Default Subtype Set Subtype Field		X X X	X X X	X X X
omains Geoprocessing Add Coded Value to Domain Assign Domain to Field		X X	X X	X X
Create Domain Delete Coded Value from Domain		X X	X X	X X
Delete Domain Domain to Table Remove Domain from Field		X X X	X X X	X X X
Set Value for Range Domain Table to Domain		X X	X X	X X
reate and Edit Relationships between Featur One-to-One One-to-Many	es		X X	X X
Many-to-Many Specify Cardinality Rules for Relationships			X X	X X
Store Attributes for Relationships eodatabase Relationship Behavior Moving a Feature Moves the Related Feature			X	X X
Deleting One Feature Deletes the Related Feature elationship Class Geoprocessing Create Relationship Class			X	X
Table to Relationship Class			X	X
opology	ArcReader	ArcView	ArcEditor	ArcInfo
lap Display Display a Summary of the Errors and Exceptions in the Topology		х	х	х
Display the Feature Classes and Rules in the Topology Display Errors, Exceptions, and Dirty Areas in the Map		X X	X X	X X
diting Construct and Edit Topologies Created from Layers in the Map		Xe	х	х
Move Topological Edges and Nodes Show or Select Adjacent or Connected Features Reshape Shared Edges between Features		Xe Xe Xe	X X X	X X X
Modify the Coordinates of Shared Edges or Nodes Split Shared Edges at a Specific Point, Distance, or Percentage along the Edge		X ₆	x x	x x
Move Edges and Nodes to a Specific Location Shift Edges and Nodes Based on an Offset from Their Current Location		X ₆	x x	X X
Merge Connected Edges Control Which Adjacent or Connected Features Move		Х ₆	X X	X X
When a Shared Edge or Node Is Moved Create/Split Polygons from Lines or Create Lines from Polygons			X	X
Split Lines Where They Intersect Validate a Specific Area or the Entire Topology Search for Errors of a Specific Type within One Area or the			X X X	X X X
Entire Topology Inspect Errors by Zooming, Panning, or Selecting the Features			x	x
eodatabase Topology Rule Violation Fix Ope Delete Features Subtract Features	rations		X X	X X
Create Features Merge Features			X X X	X X X
Snap Features Extend Lines Trim Lines			X X X	X X X
Split Lines Explode Features			X X	X X
Simplify Features eodatabase Topology Management Create and Manage Geodatabase Topology			x	x
Specify a Hierarchy for Vertex Snapping During Topology Creation			х	х
Polygons Contain Points Polygons Must Not Overlap			X X	X X
Polygons Must Not Have Gaps Polygons Must Not Overlap with Polygons in Another Feature Class			x x	x x
Polygons Must Be Covered by One Polygon in Another Feature Class Polygons Must be Covered by One or More Polygons in			x x	x x
Another Feature Class Polygons from Two Feature Classes Must Cover Each Other			x	X
Polygon Boundaries Must Be Covered by Lines of Another Feature Class Polygon Boundaries Must Be Covered by the Boundaries of Polygons in Another Feature Class			x x	x x
Lines Must Not Overlap Lines Must Be Single Part			X X	X X
Lines Must Not Self-Overlap Lines Must Not Overlap with Lines in Another Feature Class			x x	x x
Lines Must Not Have Dangles Lines Must Not Have Pseudonodes Lines Must Not Intersect			X X X	X X X
Lines Must Not Self-Intersect Line Endpoints Must Be Covered by Points of Another Feature Class			x	x
Lines Must Be Covered By Polygon Boundaries of Another Feature Class Lines Must Not Intersect or Touch Interior			x	x
Lines Must Not intersect of Four Internal Lines Must Be Covered by Lines of Another Feature Class Points Must Be Covered by Lines of Another Feature Class			X X	X X
Points Must Be Inside Polygons Points Must Be Covered by the Endpoints of Lines Points Must Be Covered by the Boundary of Polygons of			X X	X X
Another Feature Class eoprocessing			X	X
Add Feature Class to Topology Add Rule to Topology Create Topology			X X X	X X X
Remove Feature Class from Topology Remove Rule from Topology Set Cluster Tolerance			X X X	X X X
Validate Topology Only available with Simple Features in map-based topologie	s		X	X
Laturalia	Reader	View	Editor	linfo
letworks tility Network Analysis	Arc	Arc	Arc	Arc
Trace Upstream Trace Downstream Find Common Ancestors		X X X	X X X	X X X
Find Connected Network Features Find Loops in Network		X X	X X	X X
Find Disconnected Network Features Find Path Find Path Upstream		X X X	X X X	X X X
Find Upstream Accumulation Isolate a Point on the Network ata Management		X X	X X	X X
Create and Manage Utility Networks Create Complex Edge Features that Maintain Connectivity			x x	X X
Without Splitting the Feature eometric Network Connectivity Rules Edge—Junction			Х	Х
Edge—Edge via Junction eometric Network Editing Connect and Disconnect Network Features			X	X
Enable and Disable Network Features Set Flow Direction for a Network			X X	X X
Verify, Repair, and Rebuild Connectivity in a Network Verify the Geometry of Network Features Review and Repair Network Creation Errors			X X X	X X X
inear Referencing	Reader	/iew	Editor	nfo
Routes) isplay Find and Display Dynamic Segmentation Events (Point,	Arc	Arc	Arch	Arc
Linear, and Continuous) on Routes diting Interactively Modify M-Coordinate Values		X	x	X
Interactively Moony M-Coordinates Interactively Drop M-Coordinates Create Routes for Selected Lines Using the Length of the Features, a Field Value, or Specific From and To Measures		X X X	X X X	X X X
Edit a Portion of a Line Without Affecting the Measures on the Rest of the Line Adjust One Route Using Points along the Routes		X	X	X
Adjust One Koute Using Points along the Koutes (Calibrate) Calculate Measures Using From and To Measures for a Line		x x	x x	x x
Set the Digitized Direction of the Line to Match Measure Values Calculate Measures Based on Length of Line		X X	X X	X X
Drop All the Measures for a Line Calculate Unknown Measures Using Interpolation Based on Existing Measures		X X	X X	X X
Add a Value to All Measures on a Line Multiply All Measures on a Line by a Factor		X X	X X	X X X
Add a Vertex at a Specific Measure eoprocessing Make Route Event Layer		X	X X	X X
Create Routes Calibrate Routes (Adjust All Route Measures Using Points along the Routes)		X X	X X	X X
Dissolve Route Events		X X	X X	X X

Metadata	ArcReader	ArcView
General		
Automatically or Manually Generate Metadata for Data Files		Х
Import/Export Metadata		Х
Export Metadata to ISO 19139		Х
Create XML Files for Metadata Templates		Х
View Metadata Using a Variety of Styles		
Federal Geographic Data Committee (FGDC)		Х
FGDC Classic		Х
FGDC ESRI		Х
FGDC FAQ		Х
FGDC Geography Network		Х
ISO		Х
ISO Geography Network		Х
Raw XML		Х
Geoprocessing		
Metadata Publisher		Х
ESRI Metadata Translator		Х
USGS MP Metadata Translator		Х
XSLT Transformation		Х

Data Manipulation and Ana

Coverage Geoprocessing	ArcReader	ArcView	ArcEditor	ArcInfo
pplication Framework Full-Featured Management and Analysis Environment for ArcInfo Coverage Data Format				Х
ARC Macro Language (AML [®]) Scripting Environment Operates on Both Windows and UNIX				X X
nalysis ^{Clip}				х
Select Split				X X
Erase Identity				X X
Intersect Union				X X
Update Buffer				X X
Near Point Distance				X X
Point Node Thiessen				X X
onversion Export to DLG				Х
Export to Interchange File Export to S57				X X
Export to SDTS Export to VPF				X X
Ungenerate Advanced TIGER Conversion				X X
Basic TIGER Conversion Generate				X X
Import from DLG Import from Interchange File				X X
Import from S57 Import from SDTS				X X
Import from VPF ggregation				Х
Append omposite Features				Х
Line Coverage to Region Line Coverage to Route				X X
Polygon Coverage to Region Region to Polygon Coverage				X X
eneralization Aggregate Polygons				Х
Simplify Building Collapse Dual Lines to Centerline				X X
Dissolve Eliminate				X X
Find Conflicts Simplify Line or Polygon				X X
able Management Drop Index				Х
Index Item Add Item				X X
Drop Item Join Information Tables				X X
Add X,Y Coordinates Renumber Nodes				X X
Update IDs rojections				Х
Define Projection Project				X X
Transform opology				X
Build Clean				X X
Create Labels				X
VPE File Topology				х
VPF File Topology ieneral Create Coverance				X
,				X X X
create Coverage	ader		tor	X X
create Coverage	ArcReader	ArcView	ArcEditor	Х
ieneral Create Coverage Tolerance Geoprocessing nvironment String Together Geoprocessing Tools Using a Visual	ArcReader	ArcVi	< ArcEditor	ArcInfo x
Create Coverage Tolerance Geoprocessing nvironment String Together Geoprocessing Tools Using a Visual Modeling Environment (ModelBuilder") Use Contents Geoprocessing Tool View	ArcReader	x ArcVi	x x ArcEditor	x x x
Create Coverage Tolerance	ArcReader	X X ArcVi	X X X	x x x x x x
	ArcReader	ArcVi x	X X	x ArcInfo x x
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Create Coverage Tolerance Geoprocessing Nvironment String Together Geoprocessing Tools Using a Visual Modeling Environment (ModelBuilder") Use Contents Geoprocessing Tool View Use Index Geoprocessing Tool View Use Index Geoprocessing Tool View Use Favorite Tools Geoprocessing Tool View Create and Share New Geoprocessing Tools Using Models or Scripts Save Tools in a Geodatabase or on the File System Use Shortcuts to Geoprocessing Tools through a Command Line Display the Results and Intermediate Data from a Model in a Map Using Tool Layers Execute Tools, Models, and Scripts Multiple Times with Different Inputs in One Operation (Batch Processing) Build Looping Models for a Specific Number of Times, a List of Inputs, a Series of Values, or Until a Condition Is False upported Scripting Environments C++ JavaScript	ArcReader	YCANA SALES AND	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
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Add X,Y Coordinates	ArcRea	ArcViev	ArcEdit	ArcInfo
Adjust 3D Z		X X	X X	X X
Check Geometry Copy Features		X X	X X	X X
Delete Features Multipart to Single Part		X X	x x	X X
Repair Geometry		X	X	Х
Feature Envelope to Polygon Feature to Line				X X
Feature to Point Feature to Polygon				X X
Feature Vertices to Points Polygon to Line				X X
Split Line at Vertices				X
ile Geodatabase Compress File Geodatabase Data		Х	х	Х
Uncompress File Geodatabase Data		Х	Х	Х
Dissolve		х	х	Х
Simplify Line Smooth Line			X X	X X
Aggregate Polygons Collapse Dual Lines to Centerline				X X
Eliminate Simplify Building				X X
Simplify Polygon				X
Projections and Transformations Create Custom Geographic Transformation		Х	Х	Х
Define Projection (Single Input) /ector Data Projection		Х	Х	Х
Batch Project		Х	Х	Х
Create Spatial Reference Project		X X	X X	X X
Add Color Map		х	х	х
Batch Build Pyramids		Х	Х	Х
Batch Calculate Statistics Build Pyramids		X X	X X	X X
Build Raster Attribute Table Calculate Statistics		X X	X X	X X
Clip		X	X	X
Composite Bands Copy Raster		X X	X X	X
Copy Raster Catalog Items Create Ortho-Corrected Raster Dataset		X X	x x	X X
Create Pan-Sharpened Raster Dataset		Х	Х	Х
Create Raster Catalog Create Raster Dataset		X X	X X	X X
Delete Color Map Delete Raster Attribute Table		X X	X X	X X
Delete Raster Catalog Items		Х	Х	Х
Get Raster Properties Mosaic		X X	X X	X X
Mosaic to New Raster Resample		X X	X X	X X
Workspace to Raster Catalog		Х	Х	Х
Workspace to Raster Dataset Create Random Raster		Х	Х	Х Х ⁷
Aster Conversion ASCII to Raster		х	х	х
DEM to Raster		Х	Х	Х
Feature to Raster Float to Raster		X X	X X	X X
Raster to ASCII Raster to Float		X X	X X	X X
Raster to Other Format (Multiple)		Х	Х	Х
Raster to Point Raster to Polygon		X X	X X	X X
Raster to Polyline Point to Raster		Х	Х	Х Х ⁸
Polygon to Raster				X ⁸ X ⁸
Polyline to Raster Raster Transformation/Projection				X
Flip Mirror		X X	X X	X
Project Raster (Single Input)		Х	Х	Х
Rescale Rotate		X X	X X	X X
Shift Wrap		X X	X X	X
Conversion				
Feature Class to Feature Class Feature Class to Geodatabase (Multiple)		X X	X X	X
Feature Class to Shapefile (Multiple) Import CAD Annotation to Geodatabase		X X	X X	X X
Import Coverage Annotation to Geodatabase		Х	Х	Х
Import from CAD to Geodatabase Raster to Geodatabase (Multiple)		X X	X X	X
Table to dBASE (Multiple) Table to Geodatabase (Multiple)		X X	X X	X X
Table to Table		X	X	X
Add CAD Fields Create CAD XData				X X
Export to CAD Feature Class to Coverage				X X
Set CAD Alias				X
ayers and Table Views Make Feature Layer		Х	х	Х
Make Query Layer Make Raster Catalog Layer		X X	X X	X X
Make Raster Layer Make Table View		X X	X X	X X
Make X,Y Event Layer		X	X	X
Save to Layer File Select Layer by Attribute		X X	X X	X
Select Layer by Location		Х	Х	Х
Buffer		Х	Х	Х
Clip Intersect		X X	X X	X X
Multiple Ring Buffer Select		X X	X X	X X
Spatial Join		Х	Х	Х
Summary Statistics Table Select		X X	X X	X X
Union Create Thiessen Polygons		Х	Х	X X
Erase				Х
Frequency Identity				X X
Near Point Distance				X X
Split				Х
Symmetrical Difference Update				X
patial Statistics Analysis—Patterns Average Nearest Neighbor		Х	Х	Х
High/Low Clustering (Getis_Ord General G)		Х	Х	Х
Multidistance Spatial Cluster Analysis (Ripley's K Function) Spatial Autocorrelation (Moran's I)		X X	X X	X X
patial Statistics Analysis—Clusters		Х	Х	Х
Cluster/Outlier Analysis (Anselin Local Moran's I)		Х	Х	Х
Cluster/Outlier Analysis with Rendering		Х	X X	X X
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Cluster/Outlier Analysis with Rendering Hot Spot Analysis (Getis_Ord Gi*) Hot Spot Analysis with Rendering	ibutions		~	Х
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Data					
Data and Maps	ArcReader	ArcView	ArcEditor	ArcInfo	
Jnited States States States (Generalized)		X X	X X	X X	
State Boundaries Counties		X X	X X	X X	
Counties (Generalized) County Boundaries		X X	X X	X	
Cities Populated Places Points Populated Places Areas		X X X	X X X	X X X	
ZIP Code Points ZIP Code Areas (Three Digit)		x	X X X	X	
ZIP Code Areas (Five Digit) Census Urbanized Areas		X X	x x	X X	
Census Tracts Census Block Groups		X X	X X	X X	
Census Block Centroid Populations 108th Congressional Districts		X X	X X	X X	
109th Congressional Districts Core-Based Statistical Areas		X X	X X	X X	
Telephone Area Code Boundaries County Population Estimates 1900 (Table)		X	X	X	
County Population Estimates 2000 (Table) Census Feature Class Codes (Table) Detailed Streets (StreetMap USA)		X X X	X X X	X X X	
Major Roads Major Highways		X	X	X	
Highways Drainage Systems (Generalized)		X X	X X	X X	
Lakes (Generalized) Rivers (Generalized)		X X	X X	X X	
Rivers and Streams Water Bodies		X X	X X	X X	
Major Parks Hospitals		X X	X X	X	
Airports Institutions		X X	X X	X	
Large Area Landmarks Parks Perreation Areas		X X X	X X X	X X	
Recreation Areas Transportation Terminals GNIS Cultural Points—Buildings		X X X	X X X	X X X	
GNIS Cultural Points—Buildings GNIS Cultural Points—Cemeteries GNIS Cultural Points—Churches		X X X	X X X	X X X	
GNIS Cultural Points—Golf Courses GNIS Cultural Points—Golf Courses		X X	X X	X X X	
GNIS Cultural Points—Locales GNIS Cultural Points—Populated Places		X X	X X	X X	
GNIS Cultural Points—Schools GNIS Cultural Points—Summits		X X	X X	X X	
National Transportation Atlas Interstate Highways National Transportation Atlas Railroads		X X	X X	X X	
National Atlas of the United States Airports National Atlas of the United States Cities National Atlas of the United States Cities		X X	X X	X X	
National Atlas of the United States Urbanized Areas National Atlas of the United States Federal and Indian Land Areas		x	x	X	
National Atlas of the United States Federal Land Lines National Atlas of the United States Water Feature Areas		X X	X X	X X	
National Atlas of the United States Water Feature Lines National Atlas of the United States Public Land Survey		X X	X X	X X	
National Atlas of the United States Historic Earthquakes National Atlas of the United States Volcanoes		X X	X X	X X	
State Plane Zones for NAD 1927 State Plane Zones for NAD 1983		X X	X X	X X	
USGS Topographic 1:24,000 Quadrangle Series Indexes USGS Topographic 1:100,000 Quadrangle Series Indexes		X X	X X	X	
USGS Topographic 1:250,000 Quadrangle Series Indexes		Х	Х	Х	
Countries (Generalized) Country Boundaries (Generalized) Countries 2006		X X X	X X X	X X X	
Countries 2006 Country Boundaries Administrative Units		X	X X	X	
Administrative Boundaries Continents		X	x	X	
Regions Country Watch Demographics (Table)		X	X	X	
Country Memberships of Political Organizations (Table) Cities		X X	X X	X X	
Gazetteer Drainage Systems		X X	X X	X X	
Lakes Rivers		X X	X X	X X	
World Wildlife Fund Terrestrial Ecoregions World Wildlife Fund Marine Ecoregions		X X	X X	X	
UTM Zones Time Zones		X	x	X	
Latitude and Longitude Grids Named Latitudes and Longitudes World Map Packground		X X X	X X X	X X X	
World Map Background urope Countries		X	X	X	
Level 1 Provinces		x	x	X	
Level 3 Provinces Cities		x	x	X	
Places Urbanized Areas		X X	X X	x	
Major Roads Roads		X X	X X	X X	
Railroads Railroad Stations		X X	X X	X X	
Major Lakes Major Rivers		X X	X X	X X	
Water Bodies Ferries NUTS 0 Demographics		X X X	X X X	X X X	
NUTS 0 Demographics NUTS 1 Demographics NUTS 2 Demographics		X X X	X X X	X X X	
NUTS 2 Demographics NUTS 3 Demographics anada		X	X	X	
Provinces Major Cities		X X	X X	X X	
Urban Cities Rural Cities		X X X	X X X	X X X	
Municipalities Regional Municipalities		X X	X X	X X	
Indian Reserves Highways		X X	X X	X X	
Railways FSA Postal Centroids		X X	X X	X X	
Telephone Area Code Boundaries National Parks		X X	X X	X X	
Provincial Parks Water Bodies Revice		X	X X	X X	
lexico States		X	X	X	
Cities Municipalities Urban Areas		X X X	X X X	X X X	
Urban Areas Roads Railroads		X X X	X X X	X X X	
Railroads Contours Water Bodies		X X X	X X X	X X X	
Rivers and Streams		X	X	X	
nage Data Global Digital Elevation Model (SRTM) Global Digital Elevation Model (ETOPO2)		X X	X X	X X	
Global Digital Elevation Model (GTOPO2) Global Digital Elevation Model (GTOPO30) Global Shaded Relief		X X X	X X X	X X X	
Global Imagery 150-Meter Resolution World Topography and Bathymetry		X X X	X X X	X X X	
World Sat Color-Shaded Relief Image World Cloud Free		X X X	X X X	X X X	
World at Night World with Clouds		X X	X	X	
		X	X	X	

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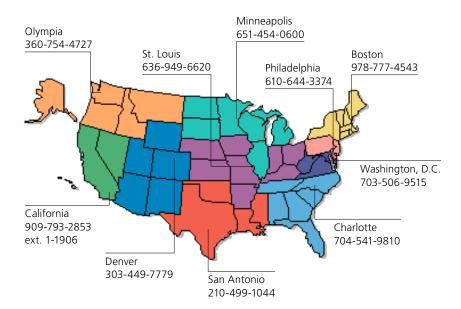
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