

Table of Contents

Introduction.....	4	Exercises.....	51
About This Course.....	5	Interactive Maps.....	52
Deploying UMN MapServer.....	6	Understanding Ka-Map!.....	53
About MapServer.....	7	Configuring Ka-Map!.....	54
Creating Map files.....	8	Legends in Ka-Map!.....	56
Map File Format.....	9	Ka-Map! Caching.....	57
Setting Web Display Parameters.....	12	Ka-Map Meta Data.....	58
Determining Map Information.....	14	Exercises.....	59
General MAP File Format.....	17	Layer Subclassing.....	60
Exercises.....	18	Specifying Class Information.....	61
Generating & Displaying Basic Map Data.....	19	Feature Sizing.....	65
Defining Map Layers.....	20	Limiting Displayed Features.....	67
Layer Examples.....	25	Performing Joins (SDE, Oracle Spatial, PostGIS).....	68
Choosing Output Image Formats.....	26	Layer Display Settings.....	70
Filtering Layer Data.....	28	Styles.....	71
Data Source Connections.....	30	Using True Type Fonts.....	72
Using a Web Map Service Server (WMS).....	32	Labels.....	74
Using a Web Feature Service (WFS).....	34	Labels and Annotation.....	76
Projections.....	36	Exercises.....	77
Sample MAP File with Layer.....	38	Adding Raster Layers.....	78
Notes about Layers.....	42	Symbols & Legends.....	80
Exercises.....	45	Symbols.....	81
Sample Map.....	47	Adding Symbols.....	83
Adding Scale Information.....	48	Using True Type Symbols.....	85



Introduction to UMN MapServer

Adding Symbols to Classes.....	87	Sample MAP Layer Meta-Data.....	107
Generating the Legend.....	88	Setting Layer Level Meta Data.....	109
Exercises.....	90	Testing your WMS Service.....	111
Providing Web Services with MapServer.....	91	Exercises.....	112
MapServer as a WFS Provider.....	92	MapServer as a WCS Provider.....	113
WEB Level Meta-Data.....	93	Next Steps.....	114
WEB Meta-Data Example.....	95	Image Caching.....	115
Setting Layer Meta-Data.....	97	ADA Issues.....	116
Layer Meta-Data Example.....	99	Ka-Map! Customization.....	117
Testing your WFS Service.....	101	MapServer Documentation.....	118
Exercises.....	102	Questions?.....	119
MapServer as a WMS Provider.....	103	Where to Find Answers.....	120
Configuring MapServer MAP Section for WMS.....	104		