

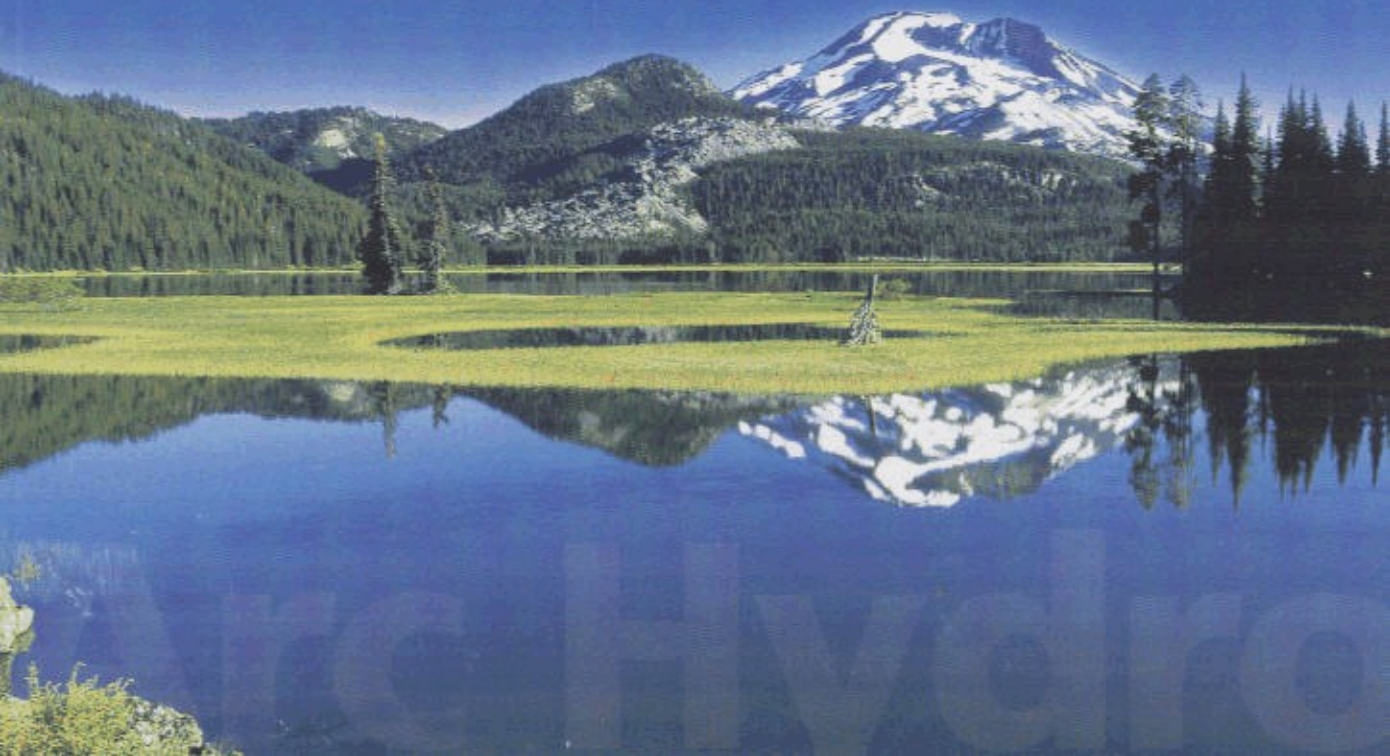
Includes the latest Arc Hydro  
data model and sample data



# Arc Hydro

**GIS for Water Resources**

David R. Maidment, editor



# Contents

*Acknowledgments [ vii ]*

*Preface [ ix ]*

1 Why Arc Hydro? [ 1 ]

*David Maidment*

2 Arc Hydro framework [ 13 ]

*David Maidment, Scott Morehouse, Steve Grise*

3 Hydro networks [ 33 ]

*Francisco Olivera, David Maidment, Dale Honeycutt*

4 Drainage systems [ 55 ]

*Francisco Olivera, Jordan Furnans, David Maidment, Dean Djokic, Zichuan Ye*

5 River channels [ 87 ]

*Nawajish Noman, James Nelson*

6 Hydrography [ 117 ]

*Kim Davis, Jordan Furnans, David Maidment, Victoria Samuels, Kristina Schneider*

7 Time series [ 141 ]

*David Maidment, Venkatesh Merwade, Tim Whiteaker, Michael Blongewicz, David Arctur*

8 Hydrologic modeling [ 167 ]

*Venkatesh Merwade, David Maidment*

9 Implementing Arc Hydro [ 177 ]

*Steve Grise, David Arctur, Bob Booth*

*Glossary [ 189 ]*

*References and resources [ 201 ]*