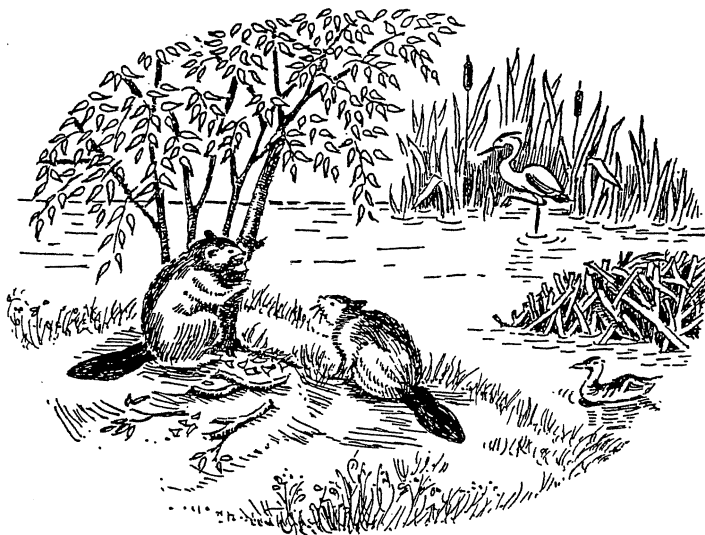


ARIZONA'S CHANGING RIVERS:

HOW PEOPLE HAVE AFFECTED THE RIVERS



Barbara Tellman
Richard Yarde
Mary G. Wallace

Water Resources Research Center
College of Agriculture
The University of Arizona
Issue Paper # 19

ARIZONA'S CHANGING RIVERS:

HOW PEOPLE HAVE AFFECTED THE RIVERS



Barbara Tellman
Richard Yarde
Mary G. Wallace

Water Resources Research Center
College of Agriculture
The University of Arizona
March 1997

TABLE OF CONTENTS

Feature Sections, Maps, Graphs and Illustrations	iv
<i>Suggestions for reading this book</i>	vi
Changing Rivers	1
<i>Changing River Names</i>	5
Changing Landscape and People	7
<i>Santa Cruz River</i>	17
A Time of Change—1500 - 1850	25
<i>San Pedro River</i>	29
Anglo-Americans Arrive	39
<i>Verde River</i>	43
Miners, Ranchers and Farmers Settle Arizona	51
<i>Salt River</i>	59
Woodcutting and Timber Harvesting	71
<i>Five Tributaries</i>	77
<i>Agua Fria</i>	77
<i>Hassayampa</i>	79
<i>Aravaipa Creek</i>	82
<i>Bonita Creek</i>	84
<i>San Simon River</i>	86
Growth of Towns	91
<i>Gila River</i>	97
Farm, Cities and Industry Compete for Water	105
<i>Little Colorado River</i>	109
Engineers Control the Rivers	119
<i>Bill Williams River</i>	123
Riparian Areas, Cienegas, and Wildlife	129
<i>Colorado River</i>	139
Some Rivers are Protected or Restored	151
<i>Changed Rivers — Some Conclusions</i>	159
Color Maps and Charts	165
Glossary	171
For Further Reading	175

ACKNOWLEDGEMENTS

This book is a synthesis of the works of hundreds of scholars who have studied Arizona history, archaeology, water law, hydrology, ecology and other topics. The most valuable sources are recognized in the "For Further Reading" section. This book is only a beginning. We welcome information from historians, from people who live along the rivers, people whose ancestors pioneered along rivers, and from experts in related fields.

Many thanks to the staff at the Arizona Historical Society and the University of Arizona Special Collections in Tucson, the Arizona Historical Foundation and Arizona Collection at Arizona State University in Tempe. We also thank Joe Gelt, Margaret A. Moote, Ana Rodriguez and Gary Woodard for helpful editorial reviews. Thanks to Patricia Oogjen, Tempe artist, for the cover drawings and other drawings throughout the book.



GB

1225

AG

T455

1997

c.2

SPECIAL THANKS TO

Neil Carmony, Historian

Tom Carr, Water Resources Planner, Arizona Department of Water Resources

Henry Dobyns, Ethnohistorian

Diana Hadley, Ethnohistorian, Arizona State Museum

Philip Halpenny, Water Development Corporation

V. Ottozawa-Chatupron, P.E., Arizona State Land Department

Duncan Patten, Ecologist, Arizona State University

FOR THEIR CAREFUL REVIEW OF THE MANUSCRIPT

AND MANY HELPFUL SUGGESTIONS