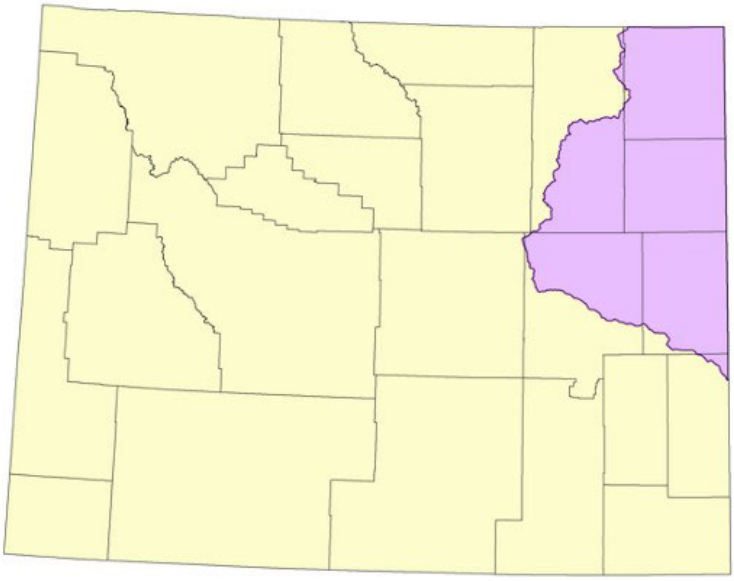
Northeast Wyoming River Basin Plan
Final Report



Prepared for:

Wyoming Water Development Commission
Basin Planning Program

Prepared by:

HKM Engineering Inc.
Lord Consulting
Watts and Associates

February 2002

CHAPTER CONTENTS

(Individual Chapters have page number listings)

I. INTRODUCTION

A. Introduction
B. Description
C. Water-Related History of the Basin
D. Wyoming Water Law
E. Interstate Compacts

II. BASIN WATER USE PROFILE

A. Overview
B. Agricultural Water Use
C. Municipal and Domestic Use
D. Industrial Use
E. Recreational Use
F. Environmental Use
G. Reservoir Evaporation
H. Basin Water Use Summary

III. AVAILABLE SURFACE WATER AND GROUND WATER DETERMINATION

A. Surface Water
B. Ground Water

IV. DEMAND PROJECTIONS

A. Agricultural Demand Projections
B. Municipal and Domestic Demand Projections
C. Industrial Demand Projects
D. Recreation Demand Projections
E. Future Environmental Water Requirements
F. Summary of Projected Water Demands
G. Future Uses as Related to Compact Allocation

V. FUTURE WATER USE OPPORTUNITIES

A. Introduction
B. Screening Criteria
C. Long-List of Future Water Use Opportunities
D. Short-List of Future Water Use Opportunities
E. Short-List Evaluation Methodology
F. Legal and Institutional Constraints
G. Water Quality Issues