Maps & Figures for the

CONSERVATION AGREEMENT

AND

CONSERVATION STRATEGY

COLUMBIA SPOTTED FROG (*RANA LUTEIVENTRIS*)
TOIYABE
GREAT BASIN SUBPOPULATION
NEVADA

SEPTEMBER 2003

TABLE OF CONTENTS

Page

Glossary of Terms iii
Acknowledgments vi

CONSERVATION AGREEMENT
FOR THE
TOIYABE SUBPOPULATION OF THE
COLUMBIA SPOTTED FROG

Purpose A-1
Conservation Goals of the Agreement A-1
Conservation Objectives A-2
Other Species Involved A-4
Signatory Parties A-4
Additional Participants/Cooperators A-4
Authorities A-5
Required Conservation Tasks and Responsibilities by Cooperator A-6
Conservation Schedule and Assessment A-7
Coordinating Conservation Activities A-7
Implementing Conservation Activities A-7
Funding Conservation Activities A-8
Duration of Agreement A-8
National Environmental Policy Act (NEPA) Compliance A-8
Federal Agency Compliance A-8
Signatures A-10

CONSERVATION STRATEGY
FOR THE
TOIYABE SUBPOPULATION OF THE
COLUMBIA SPOTTED FROG

Introduction S-1
Purpose S-1
Description and Ecology S-2
Species Distribution and Subpopulations S-3
Potential Threats to the Continued Existence of Toiyabe Spotted Frogs S-9
Habitat Degradation S-9
Overutilization S-10
Disease and Predation S-10
Inadequate Regulatory Mechanisms S-11
Other Factors S-12

Adaptive Management S-13
Conservation Goals, Objectives, Strategies, and Actions S-15
Conservation Goals S-15
Conservation Objectives, Strategies, and Actions S-15
Bibliography S-30

List of Tables

Table A-1. Tasks and Responsibilities by Cooperator A-9
Table S-1. Conservation Strategy Implementation Schedule S-23

List of Figures

Figure 1. Distribution of the Columbia and the Oregon spotted frog in North America . S-5
Figure 2. Distribution of Great Basin and West Desert populations in Nevada S-6
Figure 3. Survey sites of Great Basin spotted frogs in Nevada showing historic and current distributions S-7
Figure 4. Current and historic distributions of Great Basin spotted frogs in the Toiyabe Range subpopulation area S-8
Figure 5. Adaptive management flow chart S-14

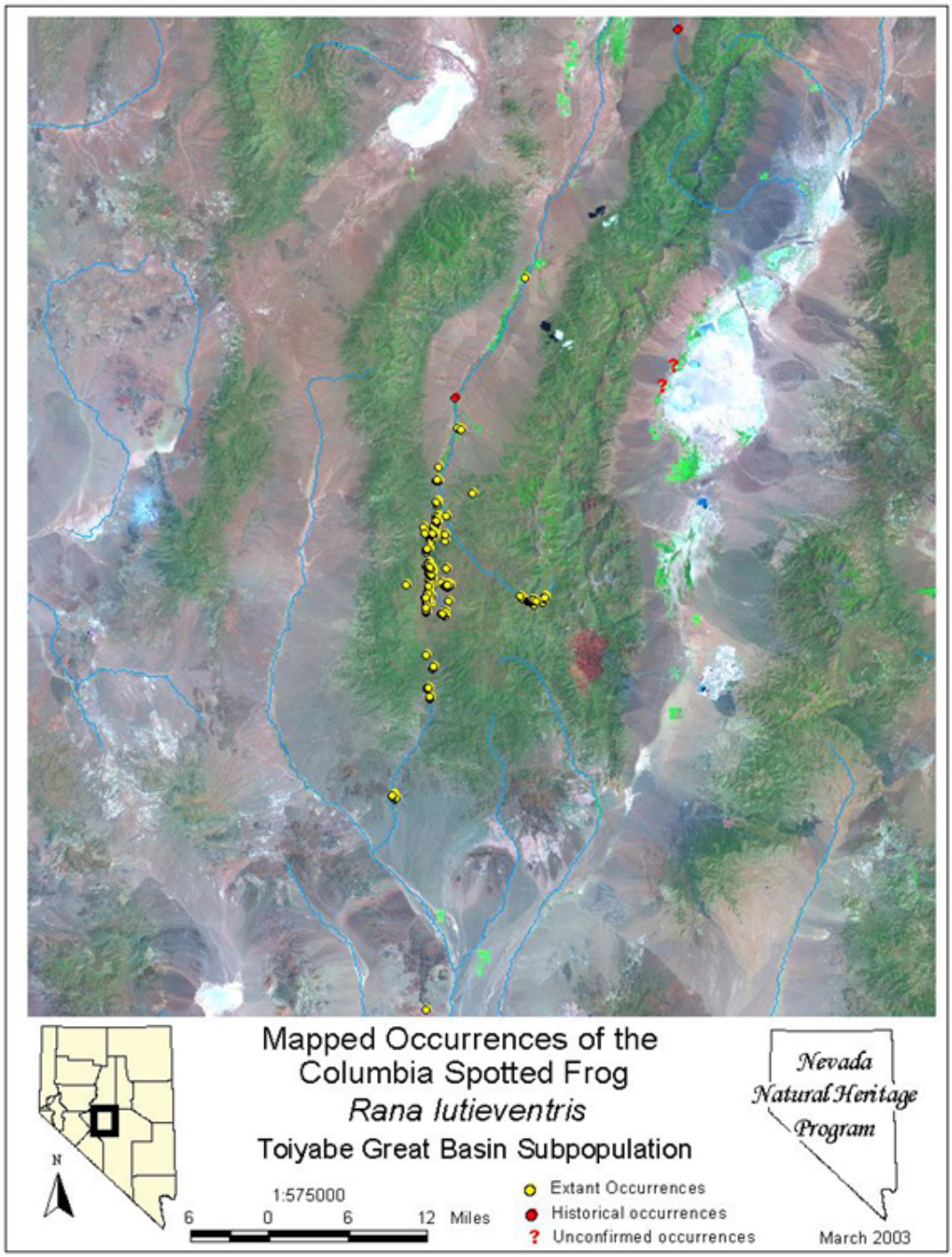

Figure 4. Current and historic distributions of Great Basin spotted frogs in the Toiyabe Range subpopulation area (Toiyabe spotted frog).