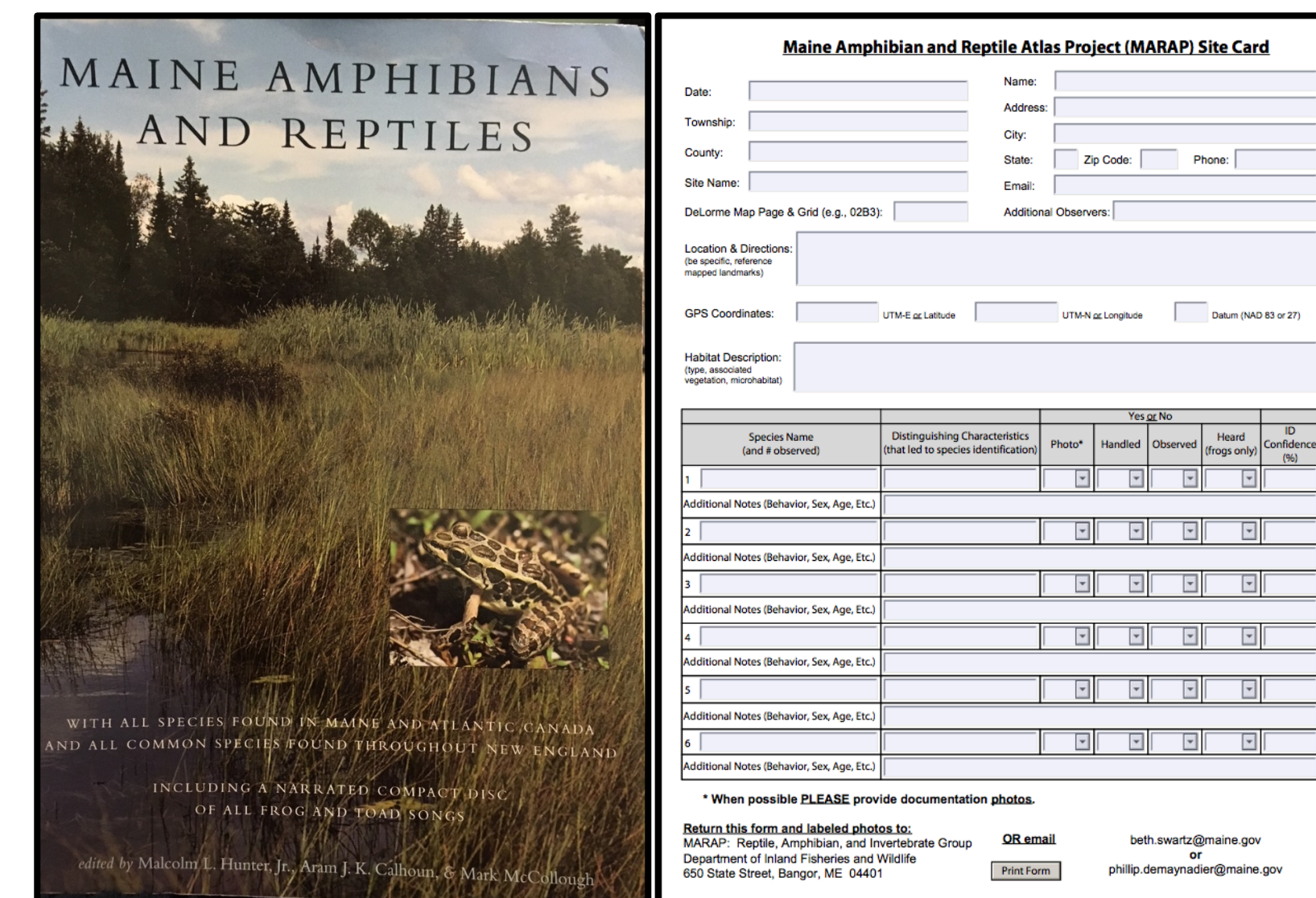


# Maine Amphibian and Reptile Atlas Project 2018: Examining Idiosyncrasies in Species' Ranges to Power Conservation

Scott Lindemann; Dr. Malcolm L. Hunter, Jr; and Dr. Aram J.K. Calhoun  
Department of Wildlife, Fisheries, and Conservation Biology; University of Maine, Orono

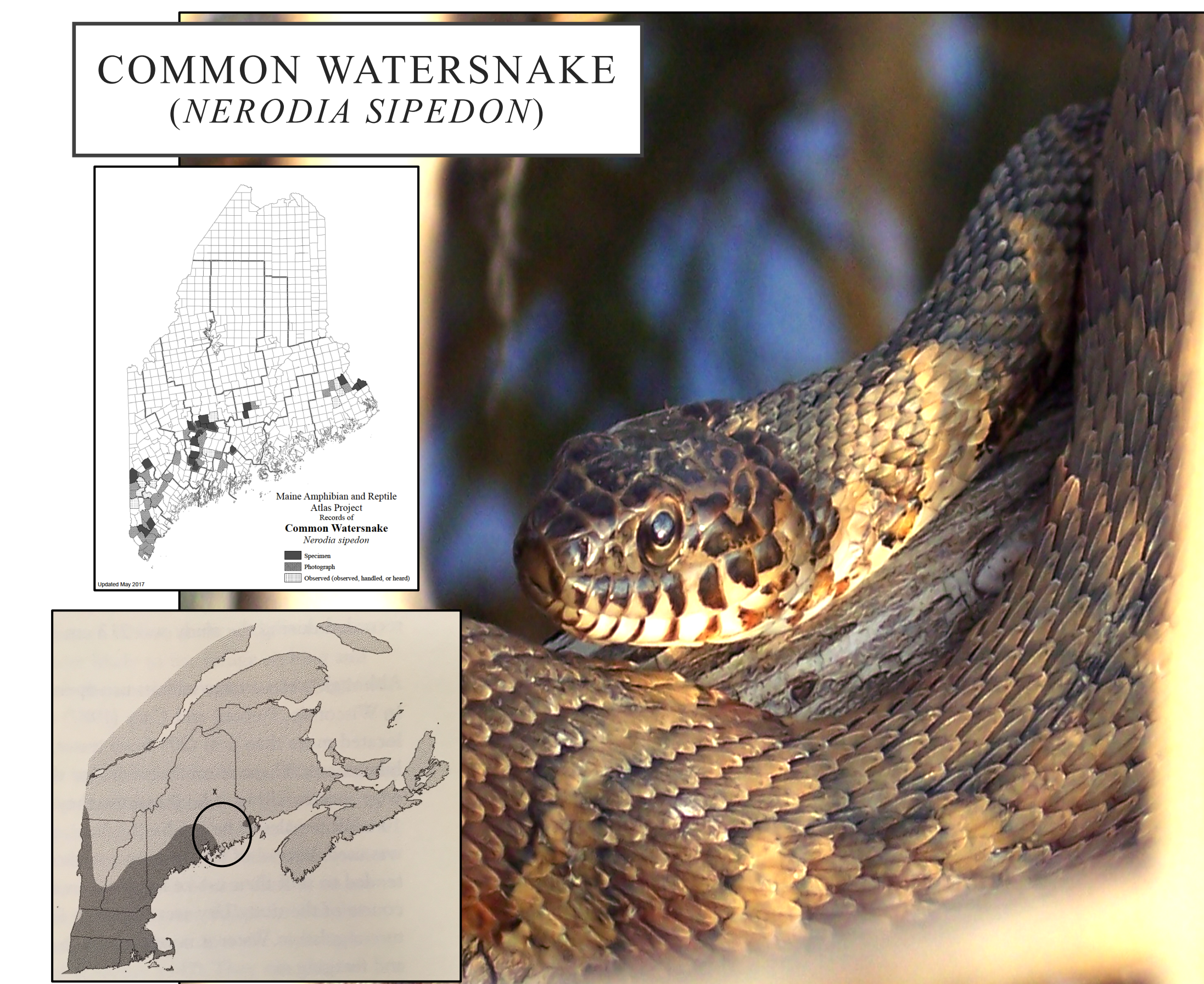
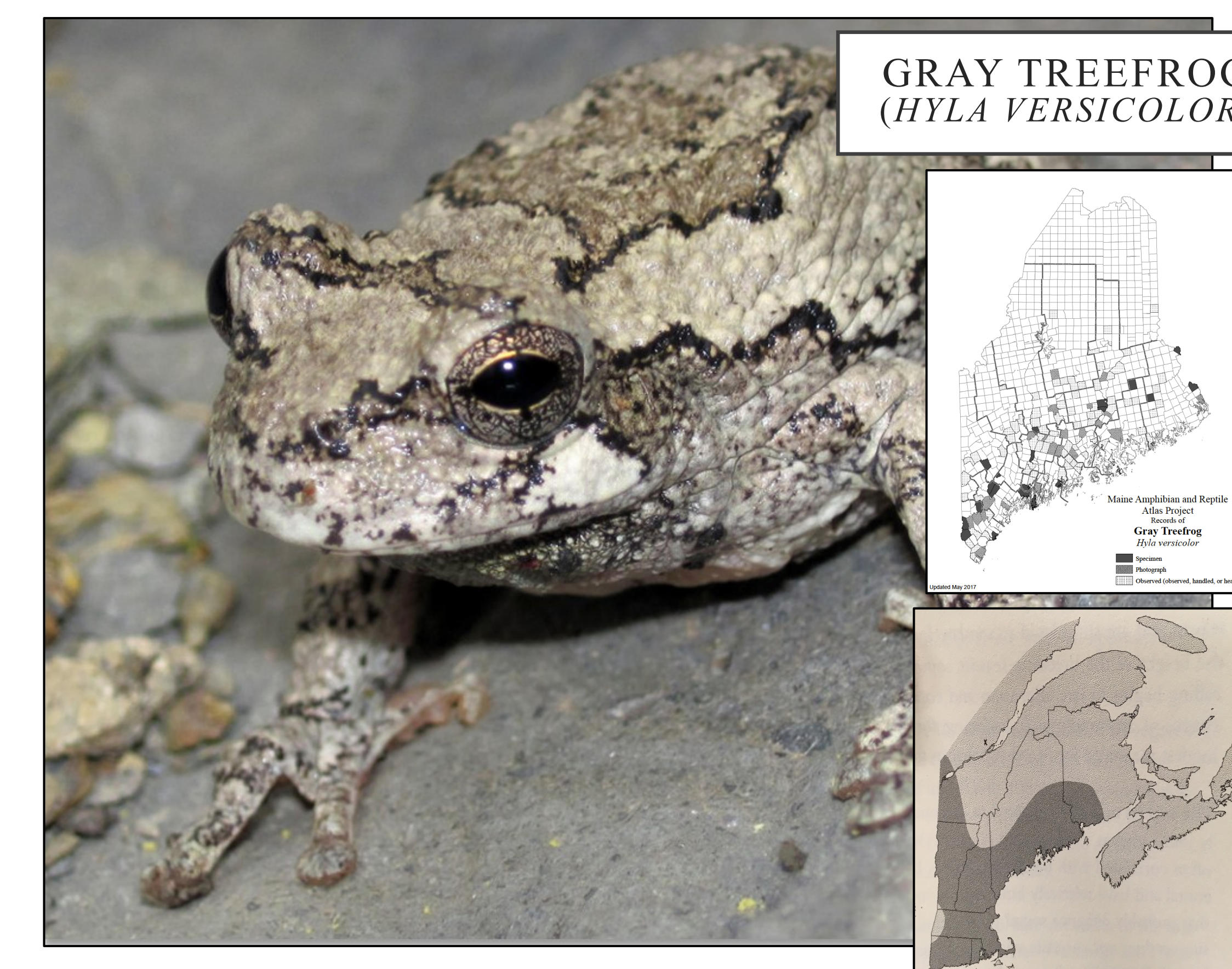
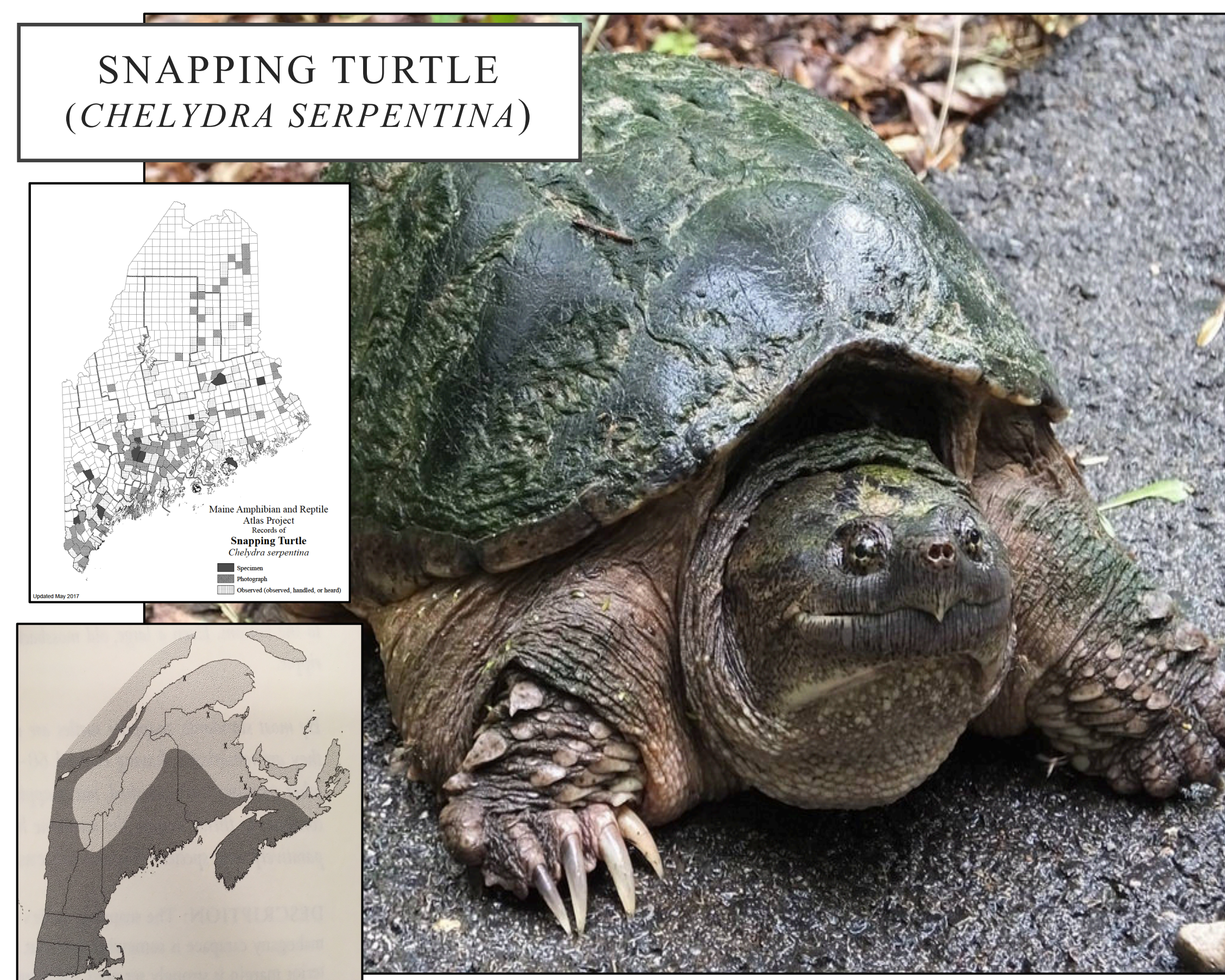
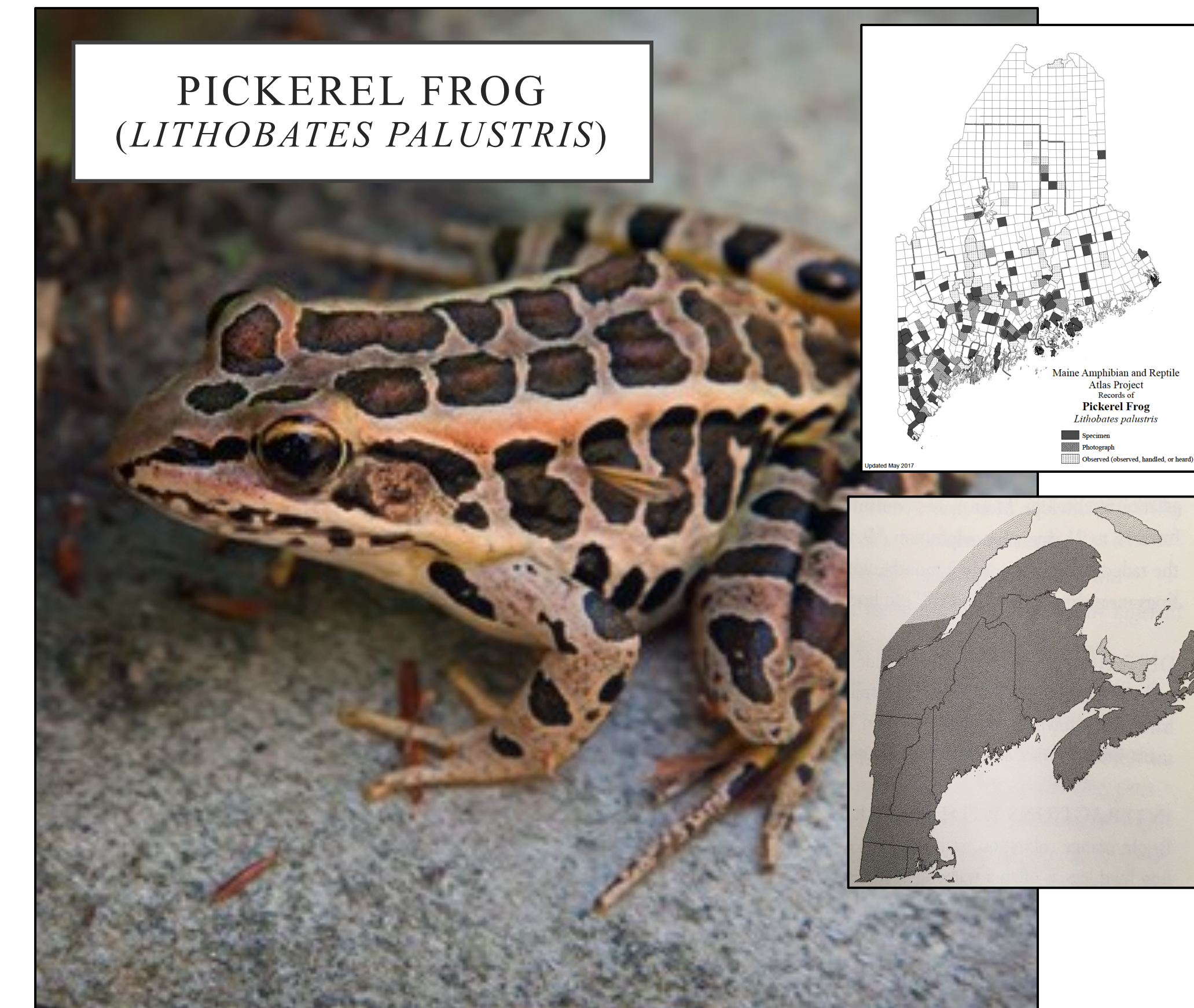
## Introduction

- I will collect occurrence data on several species of interest this summer in an effort to better understand their current range.
- Species that we are investigating are of high scientific interest because their ranges exhibit idiosyncrasies.
- This work is part of an overall effort to update the Maine Amphibian and Reptile Atlas Project (MARAP).
- It is important to understand the geographic distribution of reptiles and amphibians to power conservation and monitoring.

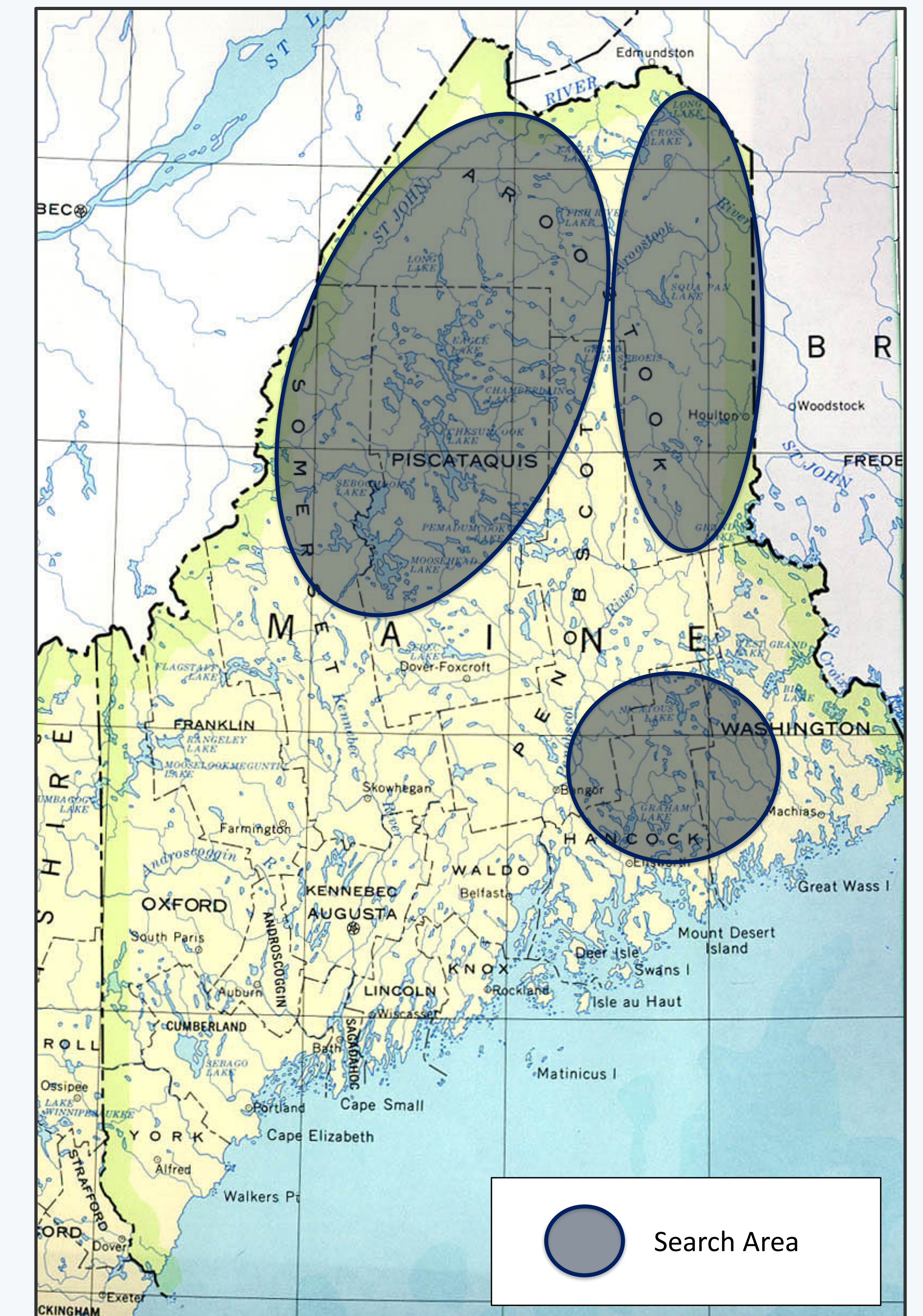


## Field Surveys

- I will utilize visual encounter searches, as well as acoustic recording devices for frog calls. Animals will be hand captured and photographed.
- Key info to be gathered:
  - Photographic records for all encountered reptiles and amphibians
  - Ecological notes for each occurrence
  - Voucher specimens in areas with poor documentation



- Pickerel Frog: Do they really occur north of Moosehead Lake?
- Gray Treefrog: How far north do they occur?
- Snapping Turtle: Do they occur in Northwest Maine?
- Common Watersnake: What are the exact edges of the disjunct range?



## Acknowledgments

- Financial and logistical support: Maine Department of Inland Fisheries and Wildlife and the University of Maine
- Advice: Dr. Phillip deMaynadier; Derek Yorks; Trevor Persons; Dr. Aram Calhoun; Dr. Malcolm Hunter, Jr.; Dr. Kris Hoffmann
- Photographs: Labelled for noncommercial reuse
- MARAP data maps: Maine Department of Inland Fisheries and Wildlife
- Species range maps: Maine Amphibians and Reptiles, 2nd edition, 1999

## Scott Lindemann can be reached at:

[Scott.Lindemann@maine.edu](mailto:Scott.Lindemann@maine.edu)

Nutting Hall, Room 244  
Orono, ME 04469

All questions and comments are welcome!

