

LECTU		

Amphibian Sampling

- I. What is your Objective?
- II. Sampling Methods
- III. Sampling Designs
- IV. Measuring & Marking



WHAT IS YOUR OBJECTIVE?

(1) Species Occurrence

Post-metamorphs:

- Call Surveys Cover Boards
- PVC Tubes
- Area Searches

Larvae: **Minnow Traps**

- Dip Netting -Seines, etc.
- eDNA

(2) Relative Abundance, Recruitment, Movement

Post-metamorphs:

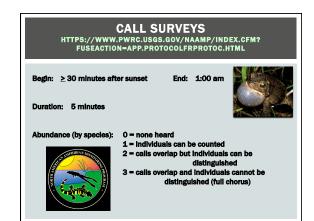
- Above PLUS
- Pitfall Sampling
- Larvae:

 Above PLUS

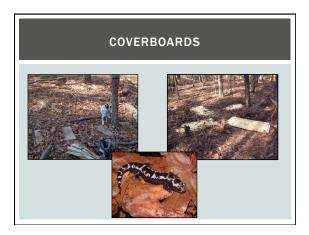
 Selne Netting

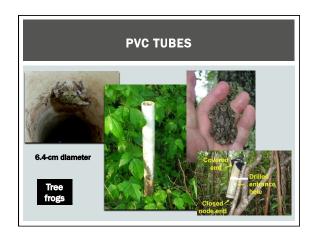
 Enclosure Sampling

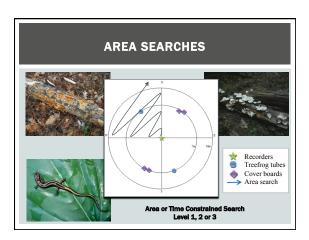
Mark-recapture

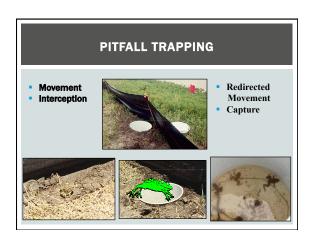


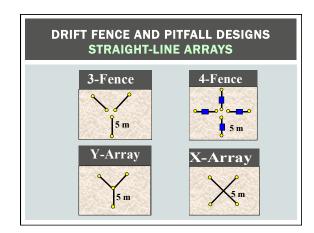




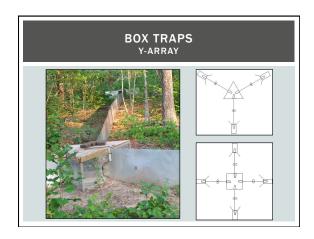


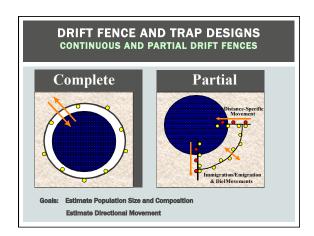
















AMPHIBIAN MARKING TECHNIQUES

Amphibian Marking Techniques

General Biological Information

- Species, Age, and Gender
- Snout-vent Length (SVL)
- Weight
- Abnormalities
- · Malformations, Tumors, Lesions, Parasites
- Batch or individual mark





Florescent Elastomers Injectable Liquid Elastomer (4 colors) \$1000 Kit (1000 Individuals) Florescent Dyes Water resistant Dyes Powder and Shake-and-Bake Ultraviolet Light Sensitive

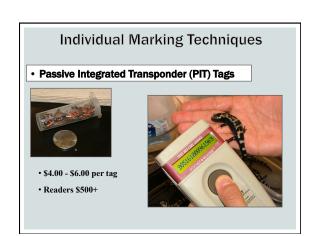
• \$12/lb (1lb/100 individuals)

- Toe-Clipping

 Mass-mark or uniquely ca. 2,000 individuals
- Rapid and inexpensive

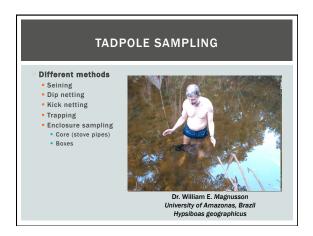


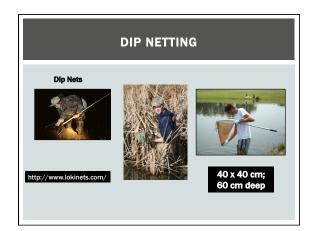




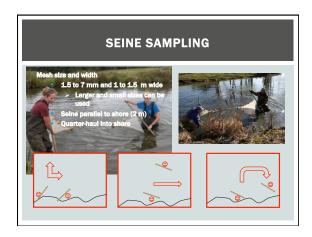
PIT Tags • New Antennae Technology 98361000966081 1/4

Individual Marking Techniques • Transmitters • \$160 each • Limited batteries life









Top Exposed





