Element 3

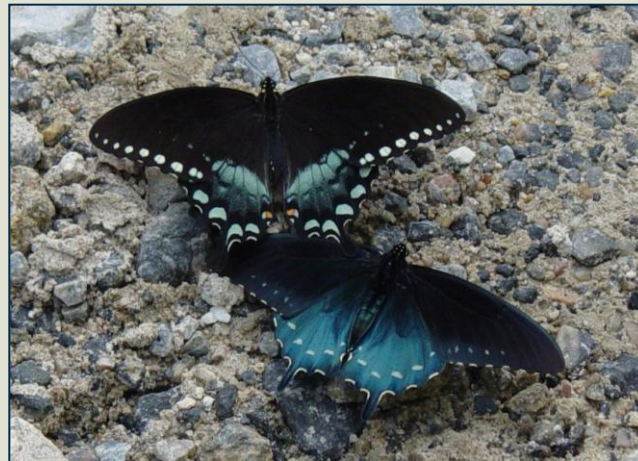2015 State of Maine Wildlife Action Plan

Element 3: 'Stressors'

Action Plans must include descriptions of problems facing SGCN or their habitats

IUCN Classification System

- International Union for the Conservation of Nature
  - http://www.iucnredlist.org/technical-documents/classification-schemes/threats-classification-scheme
- Recommended by both the Northeast Lexicon & Best Practices Report
- Used by all states in the NE

IUCN Classification System

1. Residential and commercial development
2. Agriculture and aquaculture
3. Energy production and mining
4. Transportation & service corridors
5. Biological resource use
6. Human intrusions & disturbance
7. Natural system modifications
8. Invasive species & disease
9. Pollution
10. Geological events
11. Climate change & severe weather

'Greater Prioritization'

- Impossible to conserve 300+ SGCN independently
- Conservation Actions should address many SGCN simultaneously
- Possible Solution: Focus Conservation Actions on Priority Habitats
  - Example: 'Improve water quality in XX watershed'
  - Some SGCN may have specific needs, or stressors that are not habitat-related.

Proposed Approach

1. Assign SGCN to Habitats √
2. Identify Priority Habitats
3. Assign Stressors to the Priority Habitats

Conservation Actions

↑

Threats

↑

Habitats

↑

SGCN

Proposed Approach

4. Identify Priority Stressors using NatureServe Rank Calculator
   – Based on Severity, Immediacy, and Reversibility
5. Develop Conservation Actions to address Priority Stressors

Exception: Assign non-habitat related species-specific stressors for Priority 1 & 2 SGCN

Conservation Actions

↑

Threats

↑

Habitats

↑

SGCN

Summary

- Stressors identified for Priority Habitats & SGCN of greatest concern
- Conservation Actions
  - Focused & Prioritized
  - Benefit the largest # of SGCN possible
  - Species-specific Actions where needed

Maine's Action Plan

Questions & Discussion