

Measuring the Effectiveness of State Wildlife Grants and Wildlife Action Plans

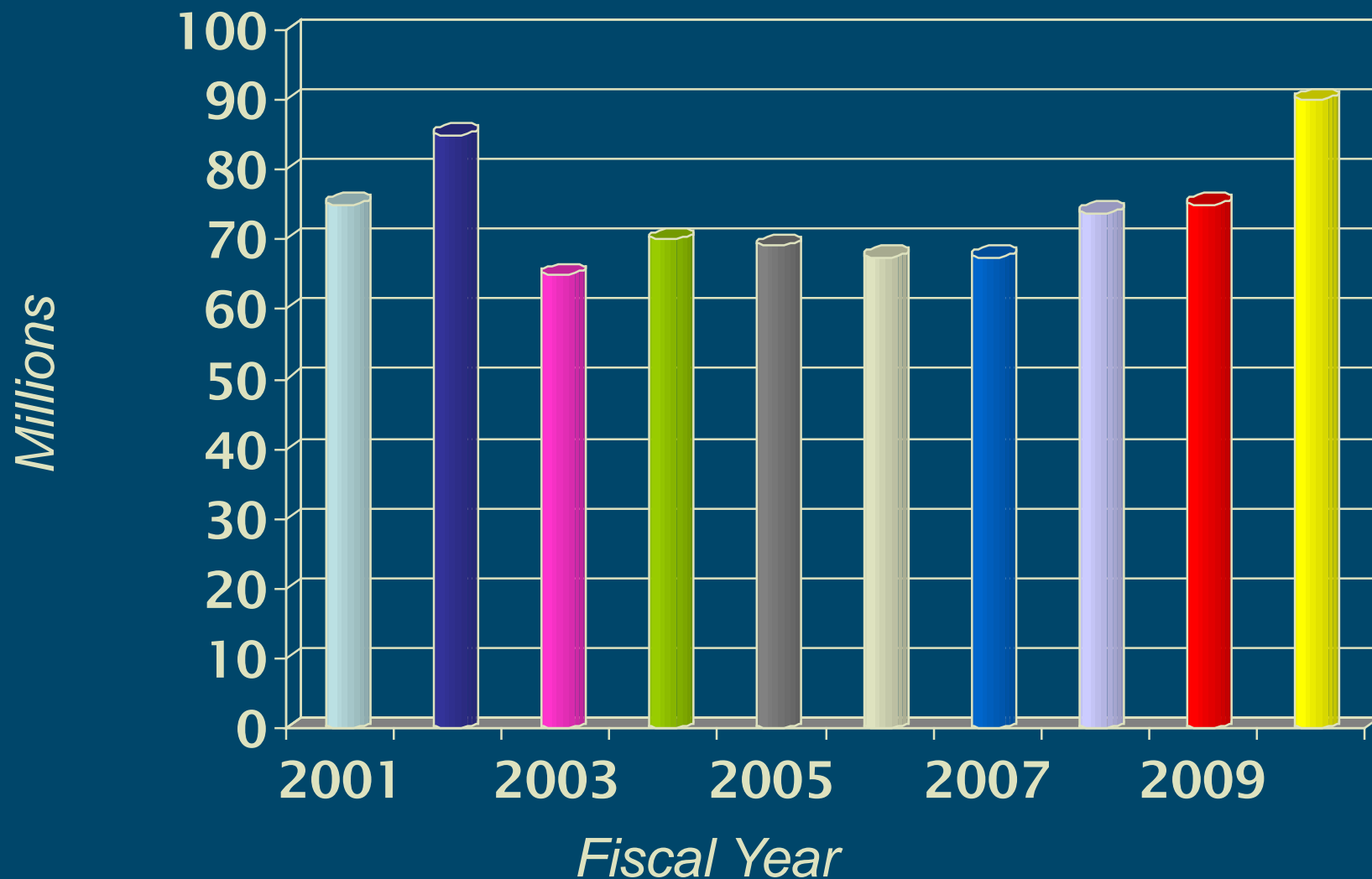


Mark Humpert

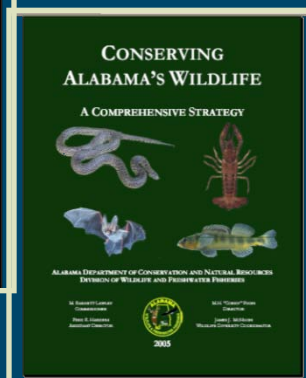
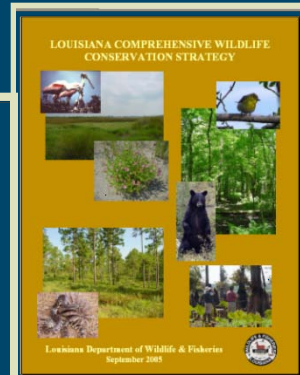
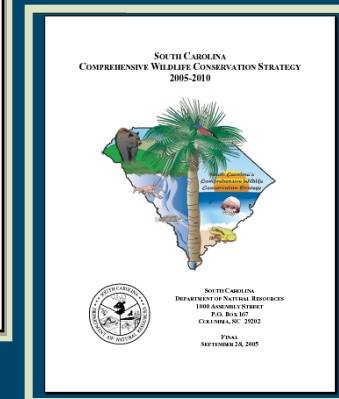
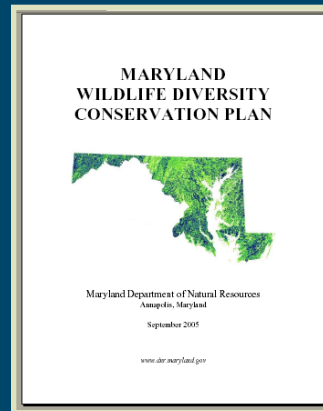
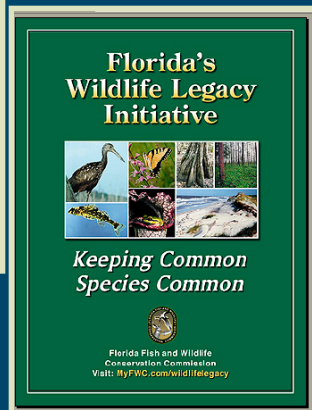
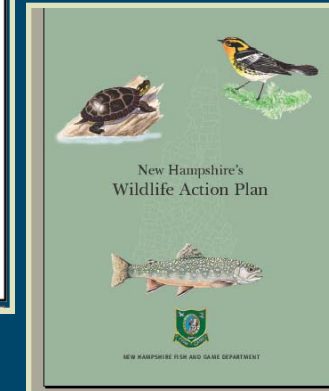
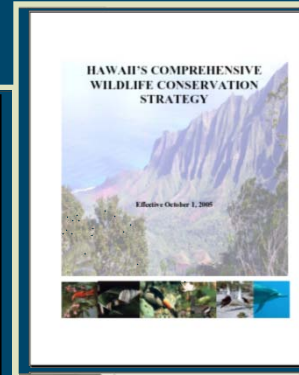
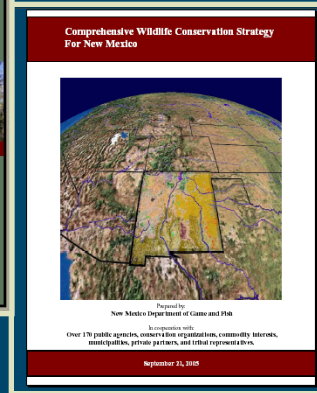
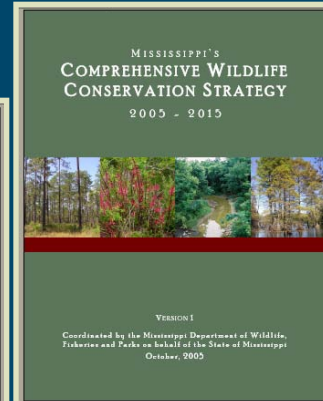
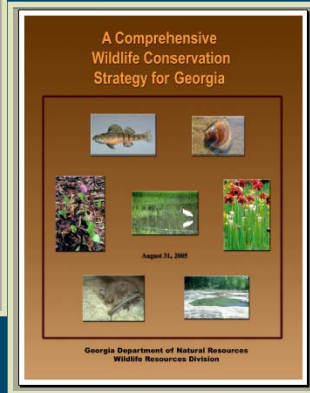
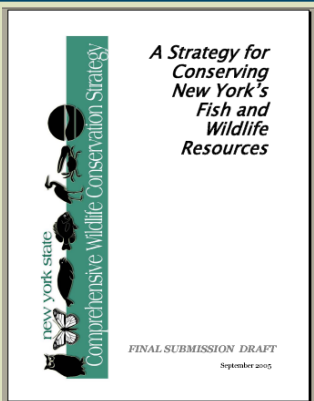
Association of Fish & Wildlife Agencies



SWG & WCRP Funding



Wildlife Action Plans for All 56 States & Territories





Our Challenge

If we can't prove our conservation actions are effective...



... then Society will allocate scarce resources elsewhere.



Need for Measures

- ❖ Improve Conservation Effectiveness
- ❖ Demonstrate Success to Administration & Congress
- ❖ Maintain/Enhance Public Support



Working Group



- ❖ Tara Bergeson (WIDNR)
- ❖ Chris Burkett (VDGIF)
- ❖ Wendy Connally (TPWD)
- ❖ Faith Balch (MNDNR)
- ❖ Tracey Tomajer (NYDEC)
- ❖ Eric Rickerson (ODFW)
- ❖ Mark Humpert (AFWA)
- ❖ Terra Rentz (AFWA)
- ❖ Karl Hess (USFWS)
- ❖ Amielle DeWan (DOW)
- ❖ Tess Present (NAS)
- ❖ Shelley Green (TNC)
- ❖ Mary Klein (NatureServe)
- ❖ Mathew Birnbaum (NFWF)
- ❖ Bob Berg (Consultant)
- ❖ Nick Salafsky (FOS)
- ❖ Caroline Stem (FOS)



Timeline

- ❖ **Sept '09 – Working Group Formed**
- ❖ **Dec'09 – Workshop 1**
- ❖ **Jan'10 – Sub-committees Formed**
- ❖ **Mar'10-Interim Report at NA**
- ❖ **Apr'10 – Workshop 2**
- ❖ **June'10 – Piloting in States**
- ❖ **July'10 – Workshop 3**
- ❖ **Sept'10 – Report to TWW Committee**



Work Group Purpose

Develop and test a measures framework for assessing the effectiveness of conservation actions funded through the State and Tribal Wildlife Grants and potentially Wildlife Action Plans.





Guiding Principle



“will not impose an effectiveness measurement system on the states, but rather make best practice recommendations that states can choose to use if desired”
(aka voluntary)






Subcommittees

Measures

-  Identify a process for assessing the effectiveness of conservation actions using results chains
-  Develop results and measures for common actions used by States

Rollout

-  Pilot test these measures
-  Develop an outreach plan to key stakeholders




Subcommittees

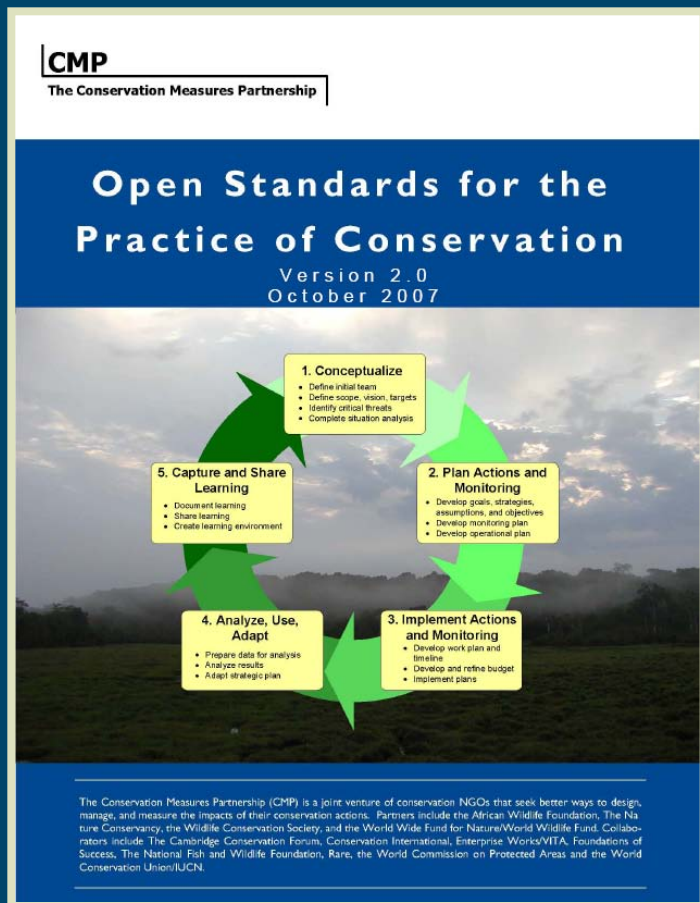
IT Systems

-  Review and make recommendations for IT systems that can be used to track measures

Wildlife Action Plans

-  Develop a framework / measures for assessing the overall effectiveness of SWAPs

Conservation Measures Partnership's *Open Standards for the Practice of Conservation*



- Developed by leading orgs & agencies
- Draws on many fields
- Open source & common language
- Used around the world
 - Lakes Ontario & Huron
 - TNC Preserves
 - Swedish National Parks
 - Donor Funding Programs
 - Academic Training



Changing the Question

*Effectiveness
Question*

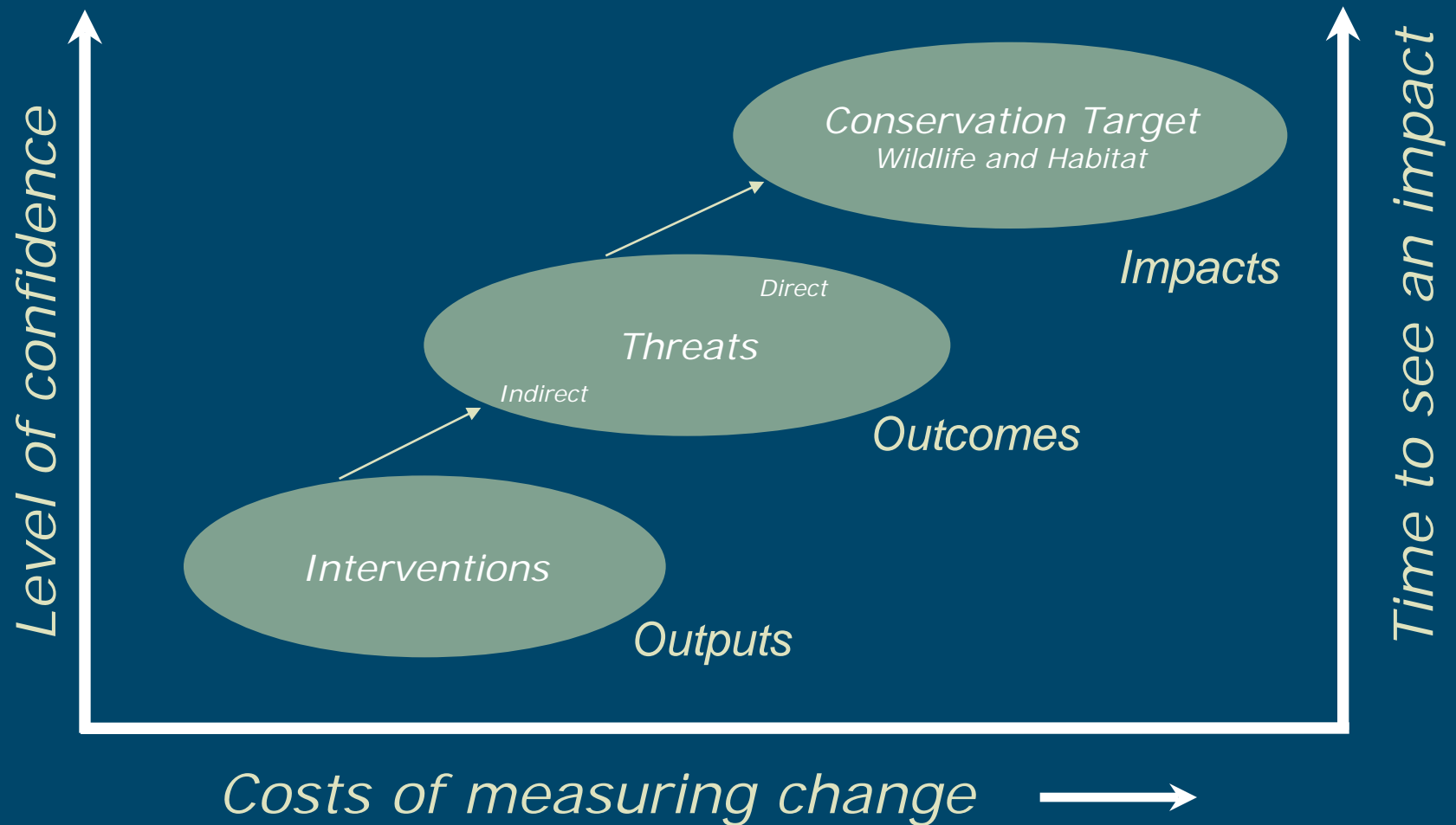


Status Question



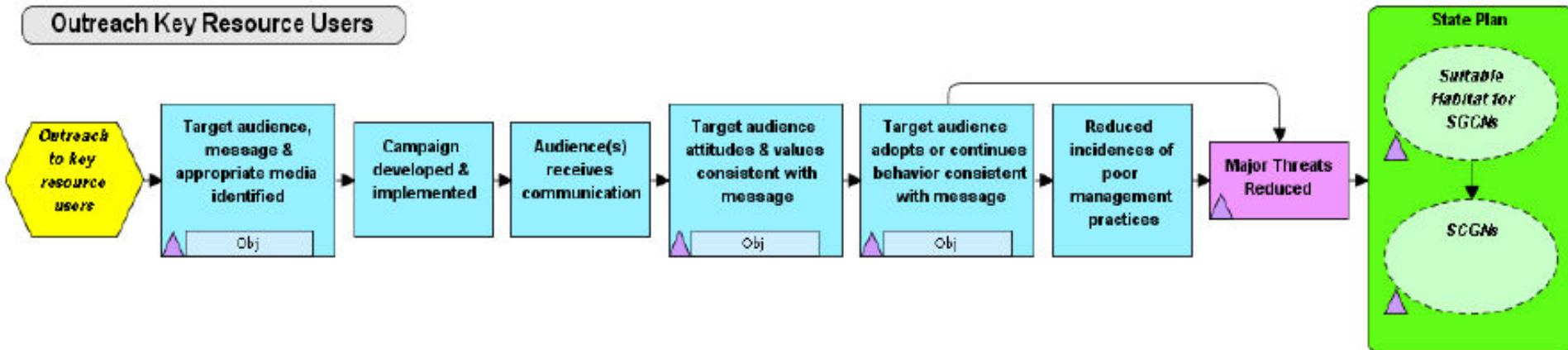
Effectiveness Measures

Linking Actions to Impacts



Outreach Results Chain

Outreach Key Resource Users



Legend Table

Results Chain	Intermediate Result	Indicator
Strategy	Threat Reduction Result	Target

Mockup of Report

Effectiveness of Outreach Efforts to Resource Users

What Does This Include?

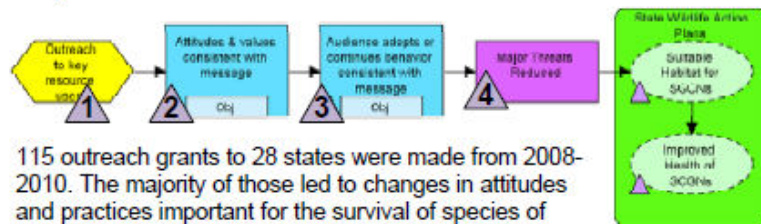
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How Do We Measure Effectiveness?

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Progress to Date



115 outreach grants to 28 states were made from 2008-2010. The majority of those led to changes in attitudes and practices important for the survival of species of greatest conservation need.

Internal Management Measures

- 1 85% of outreach efforts explicitly identified target audience, message, & appropriate media
45% of outreach efforts involved a formal audience analysis

Effectiveness of Outreach Efforts

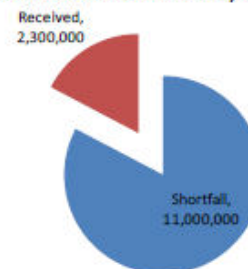
- 2 77% of those reached have attitudes/values desired
- 3 63% of those reached are taking actions to decrease threats to species of greatest conservation need
- 4 60% of projects show a marked reduction in key threats being addressed by outreach efforts

For more info: www.swgdb.org/outreach-key-resource-users/

Where Do We Go From Here?

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Funding Needs for Outreach to Key Resource Users



Stories from the Field



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Questions

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State Pilots

- 5 Pilots (MN, WI, TX, VA, NY) & 5 Micro-pilots (FL, MO, NE, AK, GA)
- Test 4 Results Chains
- Data Period 2005-2010
- Survey Monkey
- Data Synthesis & Analysis



Results Chain Example

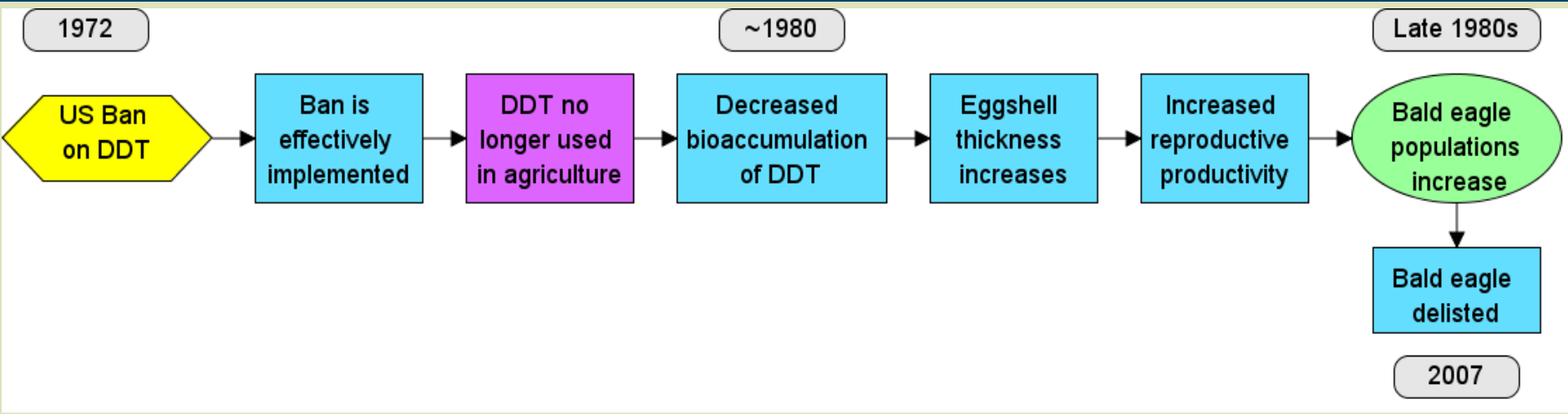
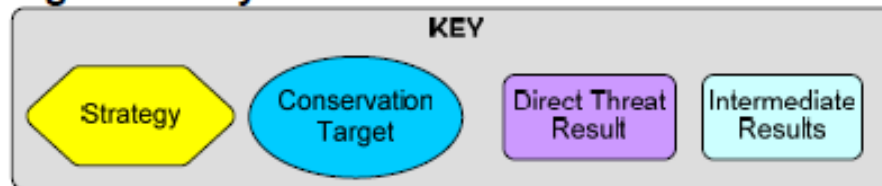
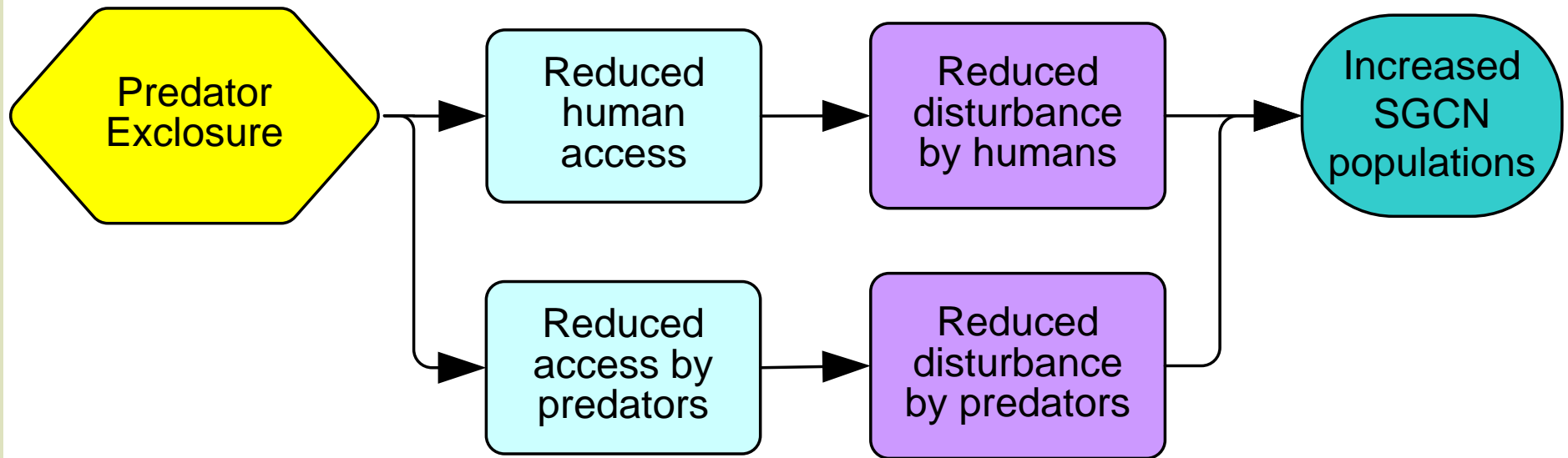


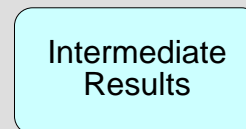
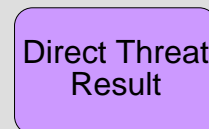
Figure 1. Key to results chains



Generic Results Chain



KEY





Mockup of Report

Assessing the Effectiveness of State Wildlife Grants

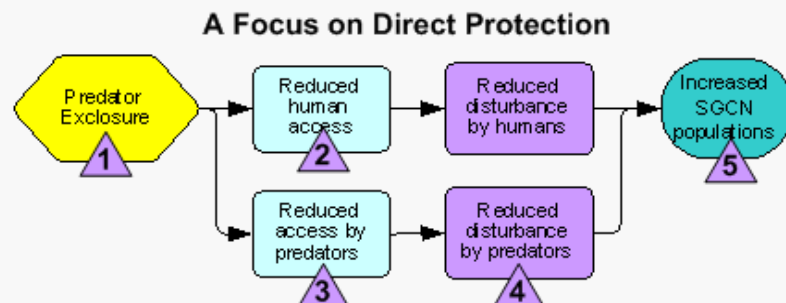
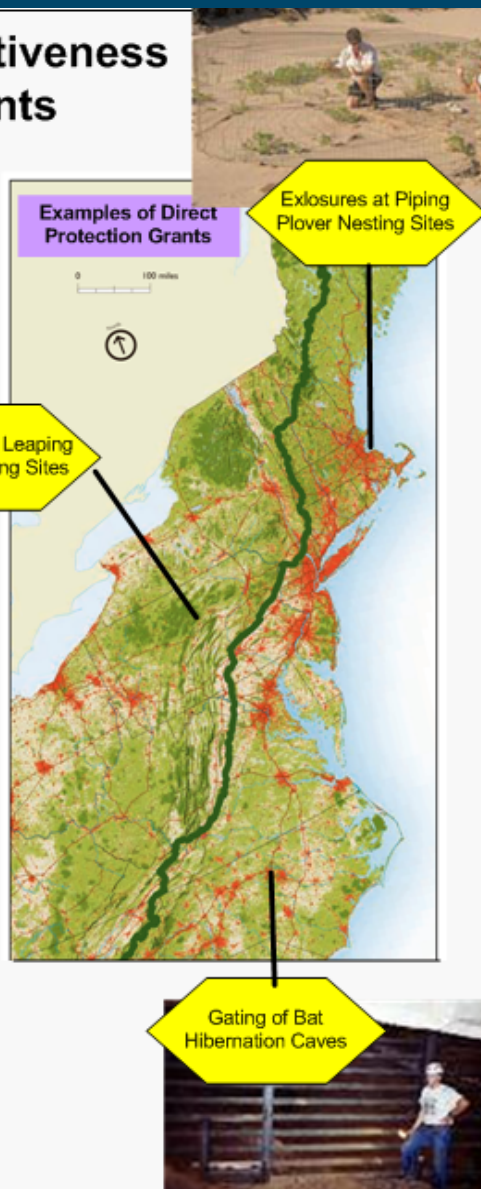
What is Effectiveness?

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How Do We Measure Effectiveness?

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37 grants averaging \$70,000 were made for direct protection work in 7 states with species including piping plover, spotted bats, and leaping lemurs. The teams reported the following results based on the above indicators:

- 1 #s of exclusions established = 245
Avg cost per exclusion = \$8,475
- 2 Rate of human access = 78% avg reduction after exclusion built
- 3 Rate of predator access = 34% avg reduction after exclusion built
- 4 Rate of predator disturbance = Data not yet available
- 5 Relevant SGCN populations have increased by 7% at key sites

Go to www.swgdatabase.org/directprotect for full details including state-by-state info

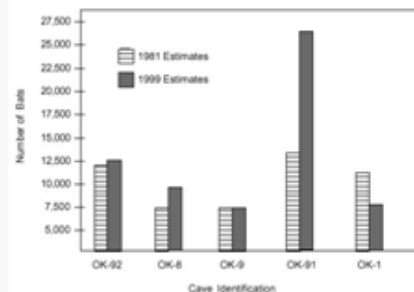


Figure 1. Population estimates of gray bats at five caves before and after they were protected by internal gate/grill systems in Oklahoma. Pre-gating estimates (1981 estimates) are from Grigsby and Puckett (19). Cave OK-1 is inhabited by a bachelor colony. The remaining caves are inhabited by maternity colonies.

Challenges Ahead

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