

Pulling It All Together



Range-wide Objectives

- Double the range-wide population by 2050

Range-wide Limiting Factors

Limiting Factor	Respondents	
	%	#
Loss of non-breeding habitat (i.e., native forest and shade plantations) QUANTITY due to land use changes in the Andes	73%	37
Loss of QUALITY of non-breeding habitat due to land use changes in the Andes	45%	23



Regional Objectives

- **Maintain primary forest**
- **Maintain, improve, increase other available habitat, including shade plantations**
 - **Improve species diversity**
 - **Improve canopy complexity**
 - **Bromeliads**
- **Provide connectivity between habitat patches**

Regional Limiting Factors

- ❑ Loss of primary forest causes indirect landscape-scale effects and ecological effects (*habitat quality*)
- ❑ Loss of primary forest limits habitat availability (*habitat quantity*)
- ❑ Loss and degradation of shade plantations limits habitat availability (*habitat quality & quantity*)
- ❑ Lack of landscape-scale forest connectivity and patch-level diversity (flora) reduces resource availability (*food resources*)
- ❑ Habitat degradation could limit participation in mixed-species flocks, resulting in poor survival or condition (*sociality*)

Conservation Actions

CONSERVATION ACTION	URGENCY	MAGNITUDE	CONFIDENCE
Incentives for existing shade coffee not to convert to pasture/sun coffee	3	2	3
Give financial and technical support to conservation NGO's in wintering ground countries	3	2	3
Identify areas of high concentrations of CERW	3	1	3
Ensure enforcement of protection of protected areas	3	1	2
Develop economic incentives to convert from sun to shade coffee	2	2	2

Conservation Actions

Activity	Key Partners	Contributing Partners	Regions for Implementation
South America			
Identify areas of high concentrations of CERW			All Andean countries
Refine habitat models	Paul B. Hamel et al.		All Andean countries
Expand field surveys effort and geographic scope	In country partners	US partners	All Andean countries
Add data to priority migrant ebird	Cornell, FWS, Proaves	In country partners, birdwatchers	All Andean countries
Field studies of habitat use and survival	In country partners	US partners	All Andean countries
Standardize and coordinate field methods	Grupo Ceruleo, Monitoring Group of CWTG		All Andean countries

Conservation Actions (cont.)

Activity	Key Partners	Contributing Partners	Regions for Implementation
Non-breeding season			
Research to determine characteristics of 'quality' habitat	research institutions; NGOs; ornithological societies in South, Central, & North America	governmental institutions for financial support, implementation; land owners	agro-forestry in Colombia & Venezuela, primary forest throughout northern Andes; stopover habitats in Mexico & Central America, and Gulf Coast
Promote conversion of pasture to forested habitats (or 'shade pastures')	land owner organizations at watershed scale; cattle-raising associations	local governments; natural resource agencies; restoration-oriented NGOs & research institutions	pastures throughout CERW non-breeding range; e.g., inter-Andean valleys in Colombia
Maintain existing natural vegetation, restore other areas	national park systems, owners of private reserves, private landowners	restoration-oriented NGOs & research institutions, local governments,	throughout non-breeding range, emphasizing areas near important CERW sites
Identify & protect important CERW sites	universities & research institutions, NGOs, local ornithological societies in South, Central, & North America; landowners	NGOs, private donors, international development banks	throughout non-breeding range, emphasizing areas with CERW & other species of concern
Promote & purchase shade-grown coffee	coffee federations or other entities to provide technical & financial support (yellow shirts); coffee certification programs; coffee buyers ("big" coffee); coffee growers	coffee-drinkers; advertising & media outlets; Juan Valdez, Starbucks; Smithsonian Migratory Bird Center; organized consumer groups (e.g., Speciality Coffee Association of America)	coffee-consuming regions

Shade Coffee

Activity	Key Partners	Contributing Partners	Regions for Implementation
Promote & purchase shade-grown coffee	coffee federations or other entities to provide technical & financial support (yellow shirts); coffee certification programs; coffee buyers ("big" coffee); coffee growers	coffee-drinkers; advertising & media outlets; Juan Valdez, Starbucks; Smithsonian Migratory Bird Center; organized consumer groups (e.g., Speciality Coffee Association of America)	coffee-consuming regions

Cerulean Cartel

**Smithsonian
Bird Center**

**Coffee
buyers**

**Advertising
and media
outlets**

**Coffee
Federations**

**Coffee
growers**

**Fair Trade
promoters**

**Coffee
certification
programs**

**Coffee
drinkers**

**Starbucks &
other
distributors**

**Organized
consumer
groups**

**Bird
Conservation
NGOs**

Adopt Charleston Guidelines

**Habitat
Protection
NGOs**

OSM

**Research
Institutions**

ARRI

Land owners

EPA

**Mining
Industry**

FWS

**State
regulatory
agencies**

**Industry
Associations**

**Bird
Conservation
NGOs**



Protect Stopover/Staging Areas

TNC

FWS

**Research
Institutions**

Land owners

**National Audubon
Society**

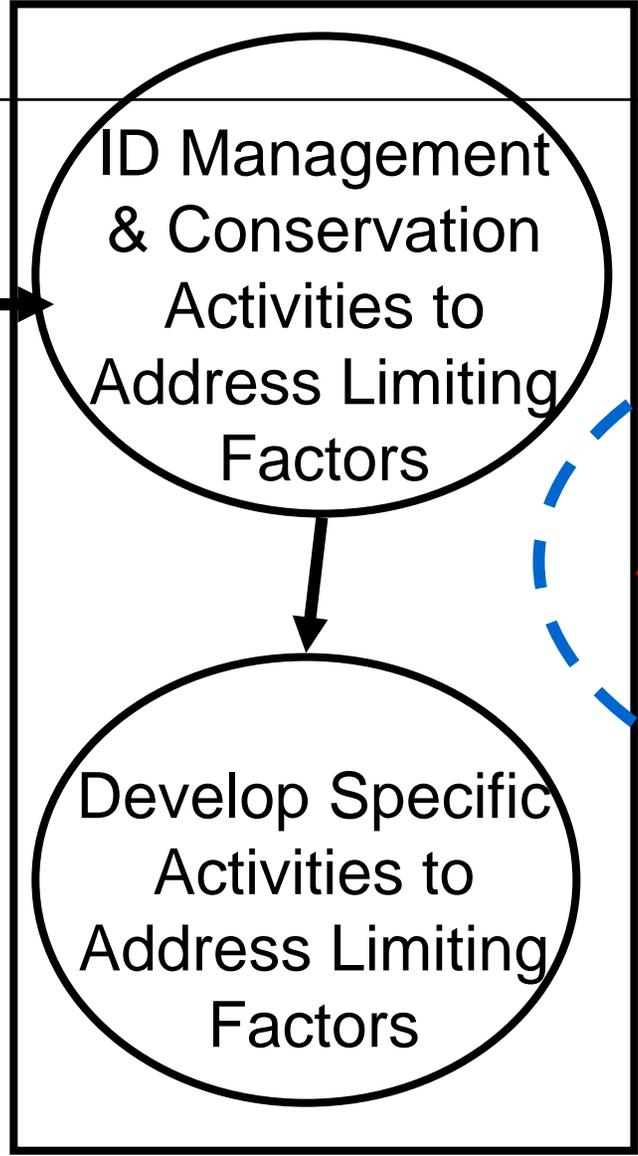
NFWF

**Neotropical MB
Conservation
Act**

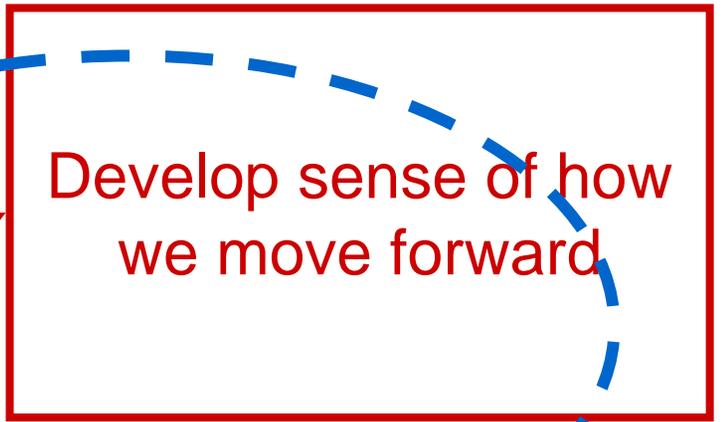
**Local & State
agencies**

**Bird
Conservation
NGOs**

Actions Needed to Achieve Desired Condition



Implementation



Cerulean Warbler Technical Group



Steering Committee

Working Groups

- Breeding Season Research
- Breeding Season Conservation
- Breeding Season Monitoring and Surveys
- Non-breeding Season Research, Conservation, & Monitoring



Timeline for Review of Workshop Products & Revising Action Plan

March 2007 ---- products from Summit 2 sent out to participants, including lists of actions (assigned to Working Groups?)

April 2007 ---- comments due on products from Summit 2

July 2007 ---- revised Conservation Action Plan circulated for comments; CERWARBLER.ORG goes “live”

Sept. 2007 ---- comments due on revised Action Plan

Oct. 2007 ---- revised Action Plan released; CERWARBLER.ORG updated



THANK YOU!!!

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