

ROLE & EVOLUTION OF THE LCC

APPALACHIAN LANDSCAPE CONSERVATION COOPERATIVE

LCC Steering Committee to identify -- "Priority Resources" -- "Priority Landscapes"

Large-scale Impacts

- Expanding Energy: NG / hydro-fracking
- Traditional Energy / Mt Top Mining
- Water Stress / Extreme Weather Events
- Urban Expansion / Ag-land Conversion
- Changing Climatic Conditions / Hydrologic Impact

AppLCC Steering Comm. Mtg. July 14, 2015. NCTC

Q. PRIORITY: HISTORIC CONTEXT – LCC BOUNDARY DECISION & COMMITMENT

APPALACHIAN LCC -- FWS Ecoregions

Global **hotspot** for aquatic species

BCRs: 24. CHJV, 28. AMJV

Reference: A National Geographic Framework for Guiding Conservation on a Landscape Scale. Millard, et al., 2012. Journal of Fish and Wildlife Management, Vol. 3, No. 1, 175-183

TRB AS A PRIORITY LANDSCAPE: DISCUSSION

APPALACHIAN LANDSCAPE CONSERVATION COOPERATIVE

- IMPERILED AQUATIC SPECIES CONSERVATION STRATEGY UPPER TENNESSEE RIVER BASIN
- UPPER TENNESSEE RIVER BASIN PARTNERSHIP
- TVA, TENNESSEE RIVER BASIN NETWORK, TENNESSEE AQUARIUM
- Landscape Modeling Analysis

TRB AS A PRIORITY LANDSCAPE: DISCUSSION

IMPERILED AQUATIC SPECIES CONSERVATION STRATEGY UPPER TENNESSEE RIVER BASIN

Ecological Services Field Offices: VA, NC, TN

FWS Internal Coordination: Across Programs Across Regions

UTRB Strategy

Strategy serves to prioritize USFWS efforts so that the Service (ES Program) can make the most effective use of limited budget and continue to complement the work of the conservation partners.

TRB AS A PRIORITY LANDSCAPE: DISCUSSION

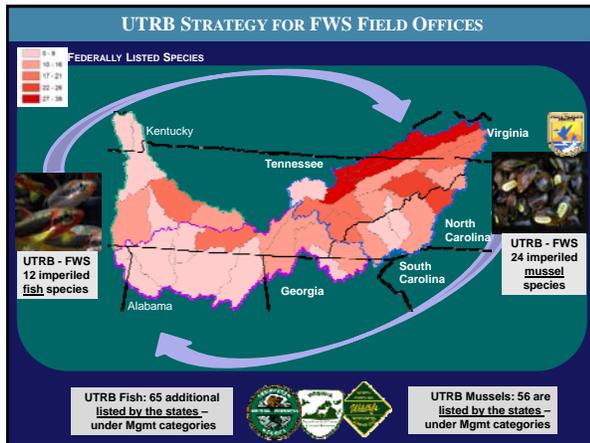
APPALACHIAN LANDSCAPE CONSERVATION COOPERATIVE

- IMPERILED AQUATIC SPECIES CONSERVATION STRATEGY UPPER TENNESSEE RIVER BASIN
- UPPER TENNESSEE RIVER BASIN PARTNERSHIP

ROLE FOR LCCs: FACILITATING LANDSCAPE CONSERVATION DESIGN

UTRB Strategy

- Current Phase: to build-off of funded research -- Regional Modeling => Landscape Conservation Design (LCD)
- LCDs...both a product and a process => an implementation & learning phase



TRB AS A PRIORITY LANDSCAPE: DISCUSSION

4. Landscape Modeling Analysis 

Modeling Priority Systems (Resources) = 8

- Unfragmented Forests
- High-elevation Forests
- Mature Lowland Forests
- Forested Wetlands
- Early Successional Habitats
- High-elevation Streams
- Low-elevation Streams
- Cave / Karst

