

An effort to characterize and synthesize ongoing research could help bridge the gap between basic research and natural resource planning. Such a review could be conducted by OSTP, NAS, or an independent commission.

- **Provide funding for the Fish and Wildlife Conservation Act of 1980 to promote natural area conservation and protection at the State level. This law establishes a Federal cost-share program for “nongame” species conservation. It is already enacted, and many States have prepared initial plans that could qualify for Federal matching funds, making it a target of opportunity to promote natural area conservation at the State level. With some amendments to promote multispecies, or “ecosystem,” protection at the State level and adequate funding, the Fish and Wildlife Coordination Act could be used to encourage natural area protection and conservation on State and private lands.**
- **Direct management agencies to explicitly consider three ecosystem criteria in all future land acquisitions: 1) likely to persist over the long term despite current and anticipated stresses, 2) augments under-represented ecosystems in the Federal natural area holdings, and 3) buffers or connects other preserved land parcels.**

Setting aside a given amount of land within the modern fragmented landscape does not alone ensure that the ecological features for which they are valued will be preserved. To best conserve species, natural areas should include an array of ecosystems and transition zones between them to allow for the many complex interactions that rely on links between different parts of the landscape.

By asking agencies to incorporate such concerns into future acquisitions, Congress could minimize future geographic fragmentations and use limited monies to maximize the range of protected ecosystems.

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PRESERVES-FIRST STEPS

- Use the National Biological Survey to assess biological and ecological inventory and monitoring needs
- Support basic research on species and ecosystem sensitivity to climate change, restoration and translocation ecology, and the design and effectiveness of corridors and buffer zones
- Conduct a review of ecological research within the U.S. Global Change Research Program and across Federal agencies
- Provide funding for the Fish and Wildlife Conservation Act of 1980 to promote natural area conservation and protection at the State level
- Direct agencies to acquire areas that are likely to persist in their natural state over the long term, link or buffer existing holdings, and increase representation of ecosystems not currently under Federal protection

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