

Conservation Outcomes • Northern Mesoamerica

Conservation Outcomes Northern Mesoamerica

scale: 1:1,500,000
 projection: Albers Equal Area Conic
 central meridian: 90° west longitude
 standard parallels: 15° & 20° north latitude

- CEPP focal area
- CEPP investment corridor
- Key Biodiversity Area, CEPP Priority
- Key Biodiversity Area, Other
- protected area
- town (national capitals underlined)
- country border
- river
- lake

IUCN Categories Ia, Ib, II-VI

data:
 2004 National Forest Inventory of Mexico
 Secretaría de Medio Ambiente y Recursos Naturales, México
 2001 Central American Ecosystem Map
 Comisión Centroamericana de Ambiente y Desarrollo
 and World Bank
 Biodiversidad Internacional
 Comisión Nacional de Áreas Naturales Protegidas, México
 Comisión Nacional de Áreas Naturales Protegidas, Guatemala
 Comisión Nacional para el Conocimiento y Uso de la Biodiversidad
 Consejo Internacional para la Preservación de las Áreas Mismo
 Center for Applied Biodiversity Science at
 Conservation International, Arlington, VA, USA
 Conservation International, Selva Maya
 Global Shoreline Database, January 2001, Veridian (GDANS)
 Ministerio de Ambiente, Ganadería y Alimentación de Guatemala
 formato del Plan Ecológico de la Selva Maya, Zoque y Chiricua
 TNC-Prontaria Yucatán
 The Central American System of Protected Areas
 PROARCA-TNC-WCPA-CBM-CI
 WRI, National Geospatial-Intelligence Agency

extensive data preparation provided by:
 R. J. R. Cook - Regional Monitoring Coordinator
 H. Pulido Argueta - Monitoring Project Manager
 Conservation International, Northern Mesoamerica Program

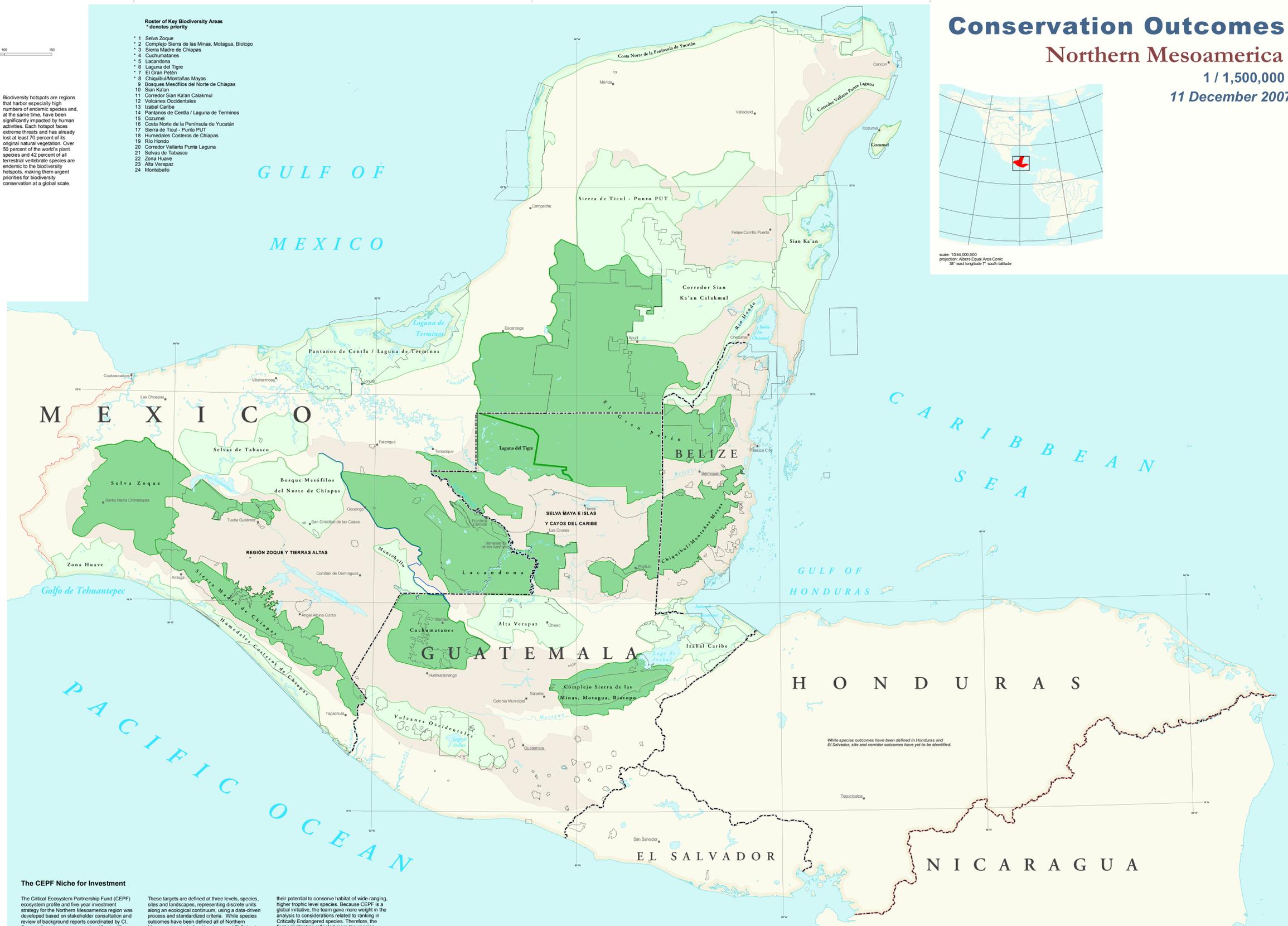
this map was produced by the Conservation Mapping Program
 M. D. - Chief Cartographer
 K. Koenig - Cartographer
 Conservation International
 2011 Crystal Drive, Suite 500
 Arlington, VA 22202 USA
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The Critical Ecosystem Partnership Fund (CEPF) is a joint initiative of Conservation International, the Global Environment Facility, the Government of Japan, the MacArthur Foundation, L'Agence Française de Développement, and the World Bank. A fundamental goal of CEPF is to ensure civil society is engaged in biodiversity conservation.

The political and geographic designations shown on this map do not imply the expression of any opinion on the part of CEPF concerning the legal status or delimitation of the frontiers of any country, territory or area.

Roster of Key Biodiversity Areas

- * denotes priority
- 1 Selva Zoque
- 2 Complejo Sierra de las Minas, Motagua, Biotope
- 3 Sierra Madre de Chiapas
- 4 Cuchumatanes
- 5 Lacandona
- 6 Laguna del Tigre
- 7 El Gran Petén
- 8 Chiquibul/Montañas Mayas
- 9 Bosques Mesófilos del Norte de Chiapas
- 10 Sian Ka'an
- 11 Corredor Sian Ka'an Calakmul
- 12 Volcanes Occidentales
- 13 Izabal Caribe
- 14 Planicies de Centla / Laguna de Terminos
- 15 Cozumel
- 16 Costa Norte de la Península de Yucatán
- 17 Sierra de Tzul - Punta PUT
- 18 Humedales Costeros de Chiapas
- 19 Rio Hondo
- 20 Corredor Valiarta Punta Laguna
- 21 Selvas de Tabasco
- 22 Zona Huave
- 23 Alta Verapaz
- 24 Montebello



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1 / 1,500,000
 11 December 2007



The CEPF Niche for Investment

The Critical Ecosystem Partnership Fund (CEPF) ecosystem profile and five-year investment strategy for the Northern Mesoamerica region was developed based on stakeholder consultation and review of background reports coordinated by CI. Seventy-four experts representing 42 scientific, governmental and nongovernmental organizations from Belize, Guatemala and Mexico participated in the preparation of the profile.

Data on biodiversity, socioeconomic factors, institutional context and conservation efforts were compiled and synthesized from more than 330 organizations, representing international donors, NGOs, public agencies, universities, community-based groups and the private sector. A three-week tour of the region in January 2003 permitted field observation and discussion with local communities and park staff, followed in February 2003 with a stakeholder workshop in Guatemala that enabled broad input from the conservation community to formulate the niche and investment strategies proposed for CEPF. Experts in the region then validated the niche and investment strategy in August 2003.

The Northern Mesoamerica ecosystem profile includes a new commitment and emphasis on using conservation outcomes - targets against which the success of investments can be measured - as the scientific underpinning for determining CEPF's geographic and thematic focus for investment. Species and site outcomes for the region were defined in cooperation with scientists at CI's Center for Applied Biodiversity Science (CABS). Conservation outcomes are the full set of quantitative and justifiable conservation targets in a region that need to be achieved in order to prevent biodiversity loss. Having these targets in place ensures that conservation action focuses on the species at the greatest risk of extinction and the sites and landscapes that are most important for their protection.

These targets are defined at three levels, species, sites and landscapes, representing discrete units along an ecological continuum, using a data-driven process and standardized criteria. While species outcomes have been defined all of Northern Mesoamerica, including Honduras and El Salvador, site and corridor outcomes have been identified only for the Mexico, Belize, and Guatemala portion of the region. Species outcomes aim to avoid extinctions, and the primary set of targets for species outcomes are those species that are globally threatened (Critically Endangered, Endangered and Vulnerable) according to the IUCN Red List. In Northern Mesoamerica, a total of 470 species representing six taxonomic groups (mammals, birds, amphibians, reptiles, invertebrates and plants) were defined as targets for achieving species outcomes. Of these 470, the 108 Critically Endangered species of the region (including El Salvador and Honduras) were prioritized for funding by CEPF.

Recognizing that most species are best conserved through the protection of sites in which they occur, Key Biodiversity Areas were defined as targets for achieving site outcomes. Key Biodiversity Areas are globally important sites for the conservation of threatened and endemic species, as well as species that congregate in very large numbers at a particular site during their life cycle. Investments to create protected areas or special conservation regimes, expand existing protected areas and improve protected area management should be targeted towards these sites in order to prevent species extinctions and biodiversity loss. The experts in the Northern Mesoamerica region identified 24 Key Biodiversity Areas, targets for achieving site outcomes.

To ensure that CEPF invests in those areas of the highest priority for global conservation, the team prioritized the 24 Key Biodiversity Areas further. The areas were ranked based on two considerations: their importance for the protection of endemic and globally and nationally threatened species and on

their potential to conserve habitat of wide-ranging, higher trophic level species. Because CEPF is a global initiative, the team gave more weight in the analysis to considerations related to ranking in Critically Endangered species. Therefore, the final prioritization reflected more the species-based ranking that emphasizes globally threatened species. In the end, CEPF decided to focus on eight of the 24 Key Biodiversity Areas, based on the prioritization and an analysis of current investment.

For some species, protecting sites alone will not be sufficient to ensure their conservation in the long-term. Corridor outcomes, which are the larger landscapes that need to be conserved to allow the persistence of biodiversity over time, were defined based on the needs of wide-ranging and migratory species. These corridors are anchored on Key Biodiversity Areas (site outcomes) embedded in a matrix of other natural habitat and anthropogenic land uses. Two conservation corridors were identified for the Northern Mesoamerica region as important for biodiversity conservation. The full set of outcomes is designed to help guide actions by the wider conservation and donor communities.

The CEPF niche for investment was formulated based on five major parameters: evaluation of threatened and endemic biodiversity, determination of priority geographical areas, potential impact of thematic directions, assessment of available institutional capacity and analysis of current funding gaps and opportunities. With this imperative in mind, the CEPF niche is designed to promote win-win solutions to achieve the critical regional goals of poverty alleviation and conservation by influencing select development investments and policies in the Selva Maya and the Selva Zoque and Chiapas/Guatemala Highlands corridors.

For more information, visit www.cepf.net.

