

THE MONARCH BUTTERFLY HIGH LEVEL MEXICAN WORKING GROUP



CONANP
COMISIÓN NACIONAL
DE ÁREAS NATURALES
PROTEGIDAS



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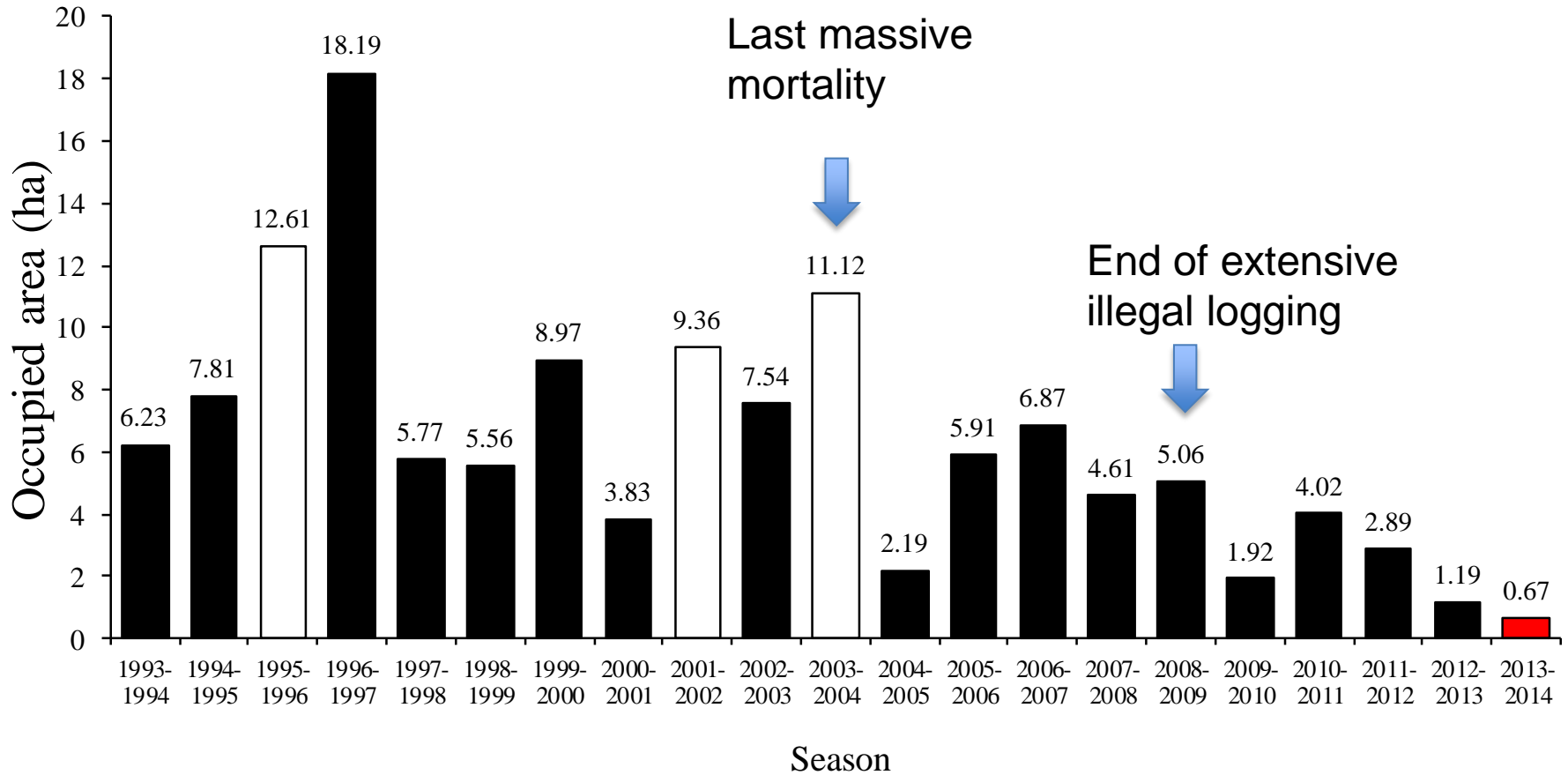
CONABIO
COMISIÓN NACIONAL PARA EL
CONOCIMIENTO Y USO DE LA BIODIVERSIDAD



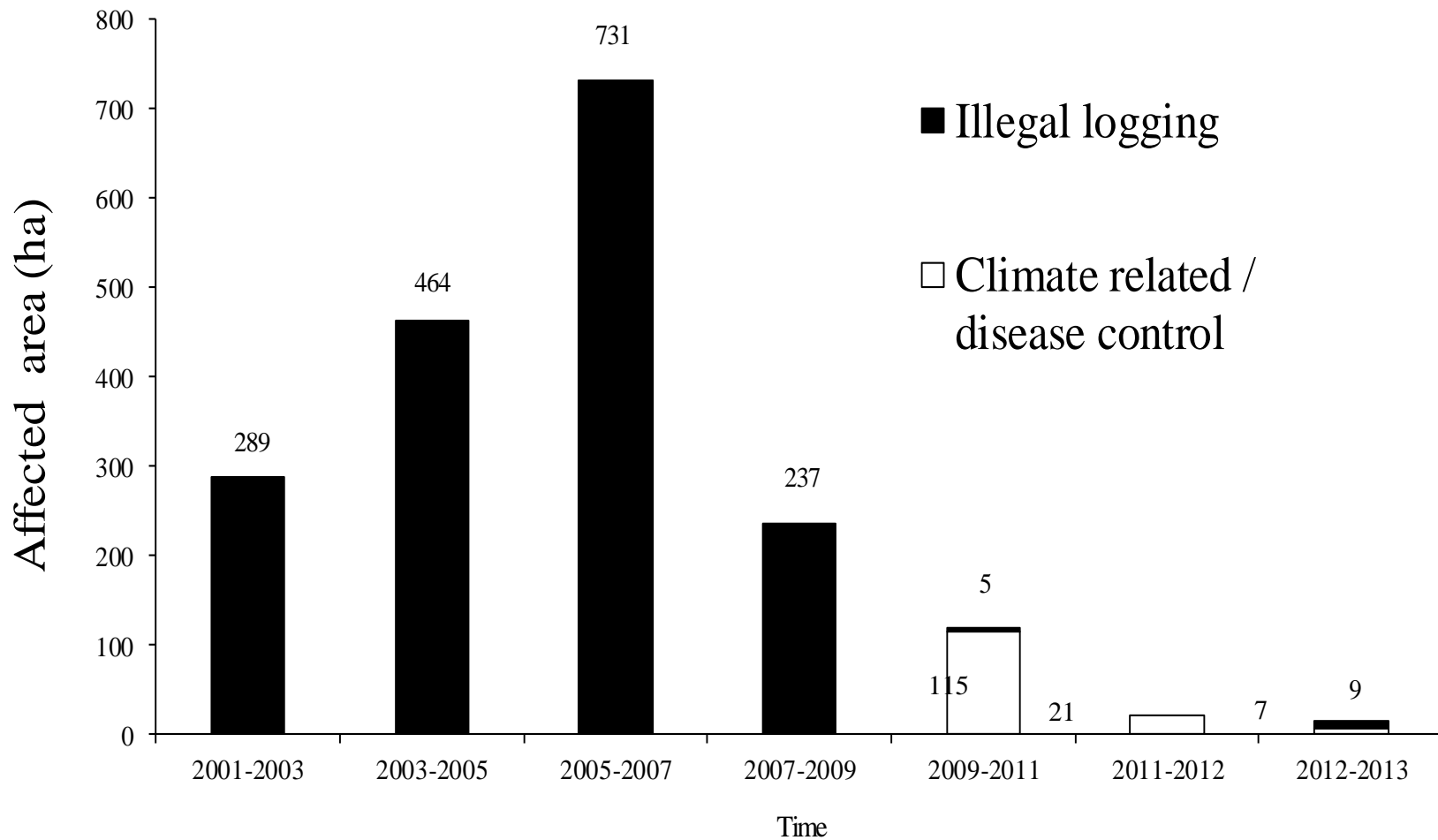
GRUPO DE LOS CIEN



Wintering colonies in Mexico (December)



Source: Rendon-Salinas & Tavera-Alonso. 2014. Monarch Butterfly Monitoring in Mexico



Source: Vidal, Lopez-Garcia & Rendon-Salinas 2013. Conservation Biology

Priorities for the Conservation of the Monarch Butterfly Migratory Phenomenon in Mexico

THE MEXICAN MONARCH BUTTERFLY HIGH LEVEL WORKING GROUP



**Joint Session of the XIX Annual Meeting of the Trilateral Committee for Wildlife and
Ecosystem Conservation and Management: Monarch Butterfly Conservation
28 de mayo, 2014**

Priority 1- Conservation Economics

Objective: Develop and consolidate programs, projects and productive activities that provide enough income for the welfare and integral development of rural communities living within the Reserve and its surroundings.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p>Monarch Fund: Payment for Hydrological Environmental Services (PHES) de la National Forestry Commission of Mexico (payment by CONAFOR).</p> <p>Temporary Employment Program (PET): \$350,000 USD invested to encourage surveillance by the 801 members of the community committee members (CONANP & PROFEPA).</p>	<p>Foster and strengthen the existing productive initiatives in the monarch butterfly region for its diversification in order to create green jobs</p>

Priority 2 - Restoration and Conservation

Objective: Maintain the ecological health of the hibernation habitat of the monarch butterfly reserve and its area of influence.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p>Special Program for the Restoration of Watersheds: \$3,500,000 USD invested in Priority Areas Cutzamala System and La Marquesa. Owners and possessors will benefit from the 5-years Proárbol program for reforestation and maintenance (CONAFOR).</p> <p>In 2000 the Monarch Butterfly Biosphere Reserve was decreed which includes 3 core areas and 2 buffer zones with a total area of 56,259 hectares (CONANP).</p> <p>Monitoring the recovery of priority species, especially the mole salamander <i>Ambystoma riwularae</i> (CONANP).</p>	<p>Develop and implement an ecological restoration program.</p> <p>Review, update and align the rules of operation of the Cutzamala special program.</p> <p>Review, update and align the activities of the matching funds with a comprehensive regional vision.</p> <p>Develop the integrated fire management program.</p> <p>Develop the public use program for the RBMM.</p> <p>Implement alternative technologies for the conservation of soil and water.</p>

Priority 3 - Research and Monitoring

Objective: Promote scientific research on priority issues to support decision-making for the conservation of the monarch butterfly migration phenomenon.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p data-bbox="112 629 426 672"><u>Wintering sites:</u></p> <p data-bbox="112 743 1016 896">Monitoring of the 11 Monarch's colonies sites where butterflies have been historically recorded.</p> <p data-bbox="112 972 1006 1300">Monitoring of the forest cover change in the core area of the MBBR from 2009 until 2013 (which showed that large-scale illegal logging has been virtually eliminated in the winter habitat. This contrasts with the high levels of degradation recorded from 2001 to 2009).</p>	<p data-bbox="1103 601 1769 644">Identify current information gaps.</p> <p data-bbox="1103 715 1721 815">Review and update the existing monitoring protocols.</p> <p data-bbox="1103 886 1779 1043">Monitor the distribution and abundance of monarch butterflies in their hibernation habitat.</p>

Priority 3 - Research and Monitoring (cont.)

Objective: Promote scientific research on priority issues to support decision-making for the conservation of the monarch butterfly migration phenomenon.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p data-bbox="131 615 455 654"><u>Migratory route:</u></p> <p data-bbox="131 729 1025 882">Planning of monitoring activities within the network of natural protected areas across the migratory routes (CONANP).</p> <p data-bbox="131 958 1078 1168">Collaboration to promote photographic inventories of protected areas through naturalistic digital platform. The project includes 18 protected areas (CONABIO-CONANP).</p>	<p data-bbox="1124 615 1779 654">Identify current information gaps.</p> <p data-bbox="1124 729 1734 825">Review and update the existing monitoring protocols.</p> <p data-bbox="1124 958 1792 1225">Identify, characterize and map the overnight, feeding and reproduction sites of the monarch butterfly through their route in Mexico.</p>

Priority 4 - Inspection and vigilance

Objective: Promote inspection and monitoring in order to contribute to the reduction of environmental illegal practices within the Reserve.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p>Reinforcing inspection and vigilance capacities (PROFEPA).</p> <p>Prevent timber extraction throughout verification that extraction justify by wood pest control is conducted according to NOM- 019- SEMARNAT- 2006 (PROFEPA).</p> <p>Integration of 45 community vigilance committees with 801 guards who inhabit the RBMM (CONANP-PROFEPA).</p> <p>Permanent surveillance to prevent new deforestation, supported by federal and state security forces (PROFEPA and Probosque).</p> <p>Dismantling of clandestine sawmills from major loggers who are protected by criminal groups (PROFEPA).</p>	<p>Establish Participatory Environmental Monitoring Committees (CVAP) in each of the communities that make up the Reserve.</p> <p>Certify, train and equip each CVAP.</p> <p>Integrate a community surveillance system that supports operations to protect the reserve</p> <p>Integrate a database with information on environmental felonies in order to develop strategies to address the problem.</p>

Priority 5 - Social Participation, Environmental Education and Culture for Conservation

Objective: Design a multi-scale strategy including education, communication and information outreach for the conservation of the monarch butterfly.

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p>Environmental education program in schools located within Protected Areas along the migratory routes (CONANP).</p> <p>Capacity-building of 45 participatory environmental monitoring committees, effectively protecting 13,551 ha of the RBMM core areas (PROFEPA).</p> <p>Monarch butterfly monitoring program involving community participation throughout subsidies program (PROCOCODES and PRODICOM - CONANP).</p> <p>Promote social participation to monitor the migratory route and butterflies' flower preference through Naturalista digital platform (CONABIO-CONANP).</p>	<p>Implement an education and communication program on a regional scale.</p> <p>Implement an information outreach program on a national scale.</p> <p>Design outreach materials that highlight the importance of conserving the monarch butterfly in the hibernating sites and through their Mexican route.</p>

Priority 6 - Coordination and funding

Objective: Establish the national working group for the conservation of the monarch butterfly

IMPLEMENTED ACTIVITIES	RECOMMENDED ACTIVITIES
<p>Creacion of the Trinational High Level Working Group for the Conservation of the Monarch Butterfly Migratory Phenomenon (Leaders Summit).</p> <p>Standardization of monitoring activities within the network of natural protected areas across the migratory routes (CONANP).</p> <p>Monarch Fund: \$2,600,000 USD invested between 2000 and 2013 (incentive programs).</p> <p>Telcel-WWF Alliance: \$4,600,000 USD invested between 2003 and 2013.</p> <p>CONANP's subsidy programs: \$460,000 to 550,000 USD invested every year.</p>	<p>Develop and implement a work program for the conservation of the monarch butterfly in Mexico (2014-2018).</p> <p>Identify sources of funding for implementing the activities defined in the national agenda.</p> <p>Develop collaboration agreements between the eight states that are part of the migratory route in Mexico.</p> <p>Strengthen Mexico's natural protected areas network for the conservation of the monarch butterfly.</p>

SE BUSCA

Desde mediados de marzo hasta principios de mayo
la **Mariposa Monarca** viaja hacia el norte.

Participa trazando su ruta.

Sube tus fotos a www.naturalista.mx/monarca



¡Ayúdanos a conocerla para conservarla!

