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2016 Ocean Health Index Global Assessment: Mexico Profile

This document provides a brief summary of the results for Mexico from the 2016 Ocean Health Index (OHI) Global Assessment.

Global results

As in previous years, this assessment updated datasets and methods to integrate new knowledge and information. The Index Global score for 2016, the Exclusive Economic Zone (EEZ) area weighted average of region (countries and territories) scores, is 71. This value did not vary statistically significantly from 2012 to 2016.

Several goals had significant changes:

Improving scores

- Lasting special places scores increased by an average of 0.5 points per year
- Artisanal opportunities scores increased by just over 0.15 points per year
- Species condition scores improved by a small, but statistically significant, 0.03 points per year

Declining scores

- Natural products declined by over 2.5 points per year on average
- Coastal protection declined by 0.12 points per year on average
- Clean waters declined by 0.15 points per year on average
- Species condition was ranked the goal with the highest score of 92, while mariculture was ranked the goal with the lowest score of 32.

For a detailed summary of global results visit: <http://www.oceanhealthindex.org/region-scores>

Methods and dataset updates

For 2016, all goals and subgoals were updated, except for livelihoods and economies and coastal protection (due to data availability limitations).

Additional years of data were available for the following goals/subgoals: artisanal opportunities, species condition, habitat and coastal protection (sea ice), mariculture, clean waters (land-based pollution), iconic species, lasting special places, natural products, tourism and recreation.

Improved data were available for the following goals/subgoals: fisheries, species condition (bird data are now included), clean waters (trash trends are calculated using actual trash data, rather than proxy population data), iconic species (trend is now directly estimated from data).

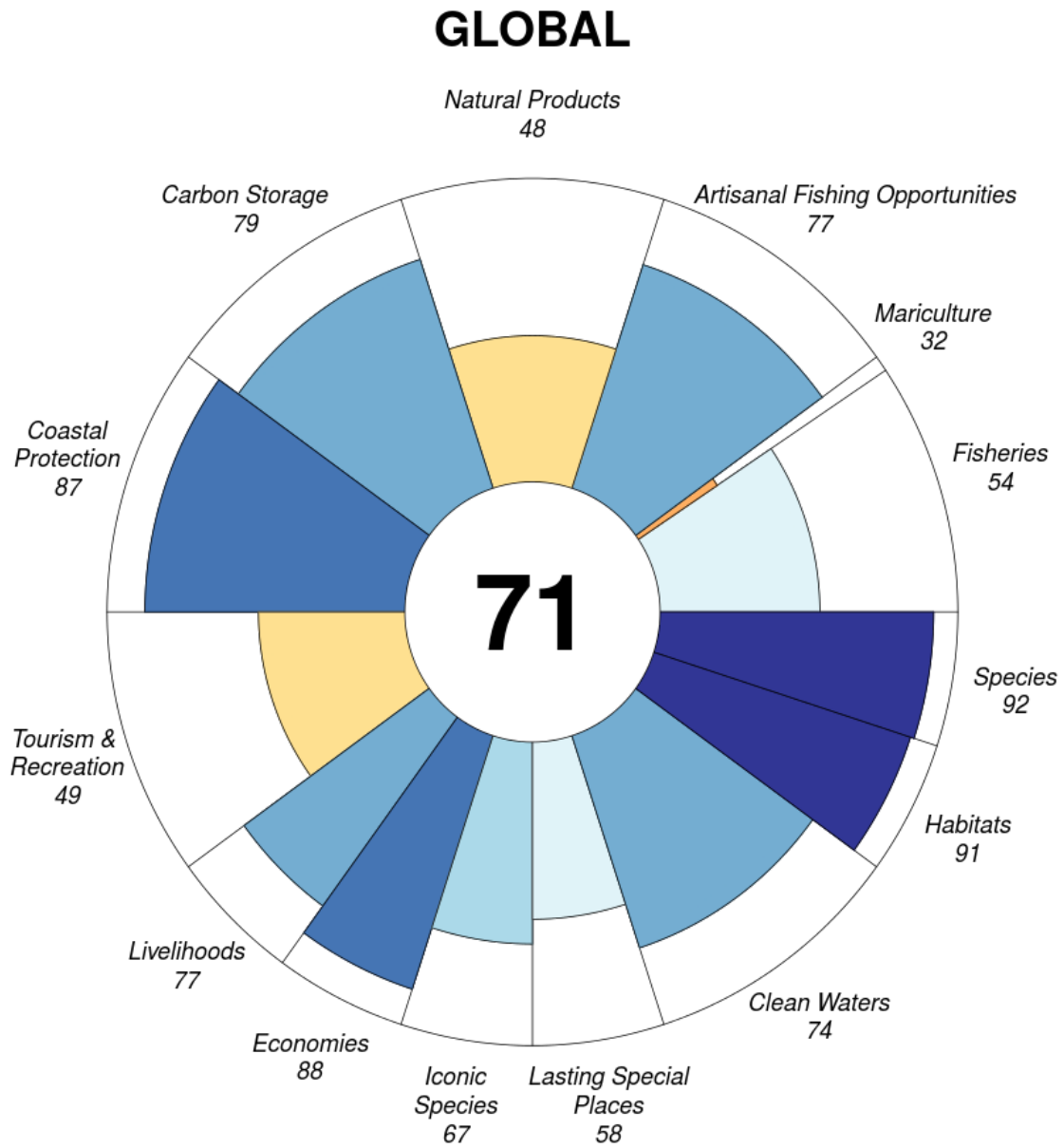


Figure 1: OHI 2016 Global Assessment Flower Plot

Pressures: Of the pressures data sets, 16 of the 20 pressure data layers were updated. Additional years of data for 7 pressures layers were added, and there were major improvements to source data for fisheries related pressures and sea level rise. Data from the Social Progress Index (<http://www.socialprogressimperative.org/global-index/>) was included as a “social” component of the pressure scores. **Resilience:** We restructured the resilience data within the OHI, so the data and calculations are more transparent and easier to understand and update. Data from the Social Progress Index (<http://www.socialprogressimperative.org/global-index/>) was added as a “social” component of resilience scores. Only two resilience data layers were updated: species condition and marine protected areas.

For detailed explanation of methods visit: <http://www.oceanhealthindex.org/methodology>

Mexico’s Results

The 2016 Index score for Mexico is of 68. Ranking 111 out of 221 countries and territories assessed.

2012-2016 Scores for Mexico Using 2016 Methods

goal	2012	2013	2014	2015	2016
Index	69	68	68	68	68
Artisanal Fishing Opportunity	69	70	70	70	70
Species	92	92	93	93	92
Biodiversity	91	91	91	91	91
Habitats	90	90	90	90	90
Coastal Protection	83	82	82	82	82
Carbon Storage	76	76	76	76	76
Clean Waters	66	63	63	63	64
Coastal Economies	100	100	100	100	100
Livelihoods and Economies	71	73	73	73	73
Coastal Livelihoods	41	46	46	46	46
Wild Caught Fisheries	52	53	55	55	51
Food Provision	51	51	54	52	50
Mariculture	19	19	18	17	17
Iconic Species	66	67	67	67	65
Sense of Place	82	82	82	82	82
Lasting Special Places	97	98	98	98	98
Natural Products	31	28	28	29	30
Tourism and Recreation	72	68	59	62	63

Improving scores

- Clean waters and tourism and recreation scores increased by 1 point each
- Natural products increased by 2 points

Declining scores

- Species, Mariculture, Sense of Place decreased by 1 point each
- Wild caught fisheries declined by 4 points
- Food provision, iconic species decreased by 2 points each

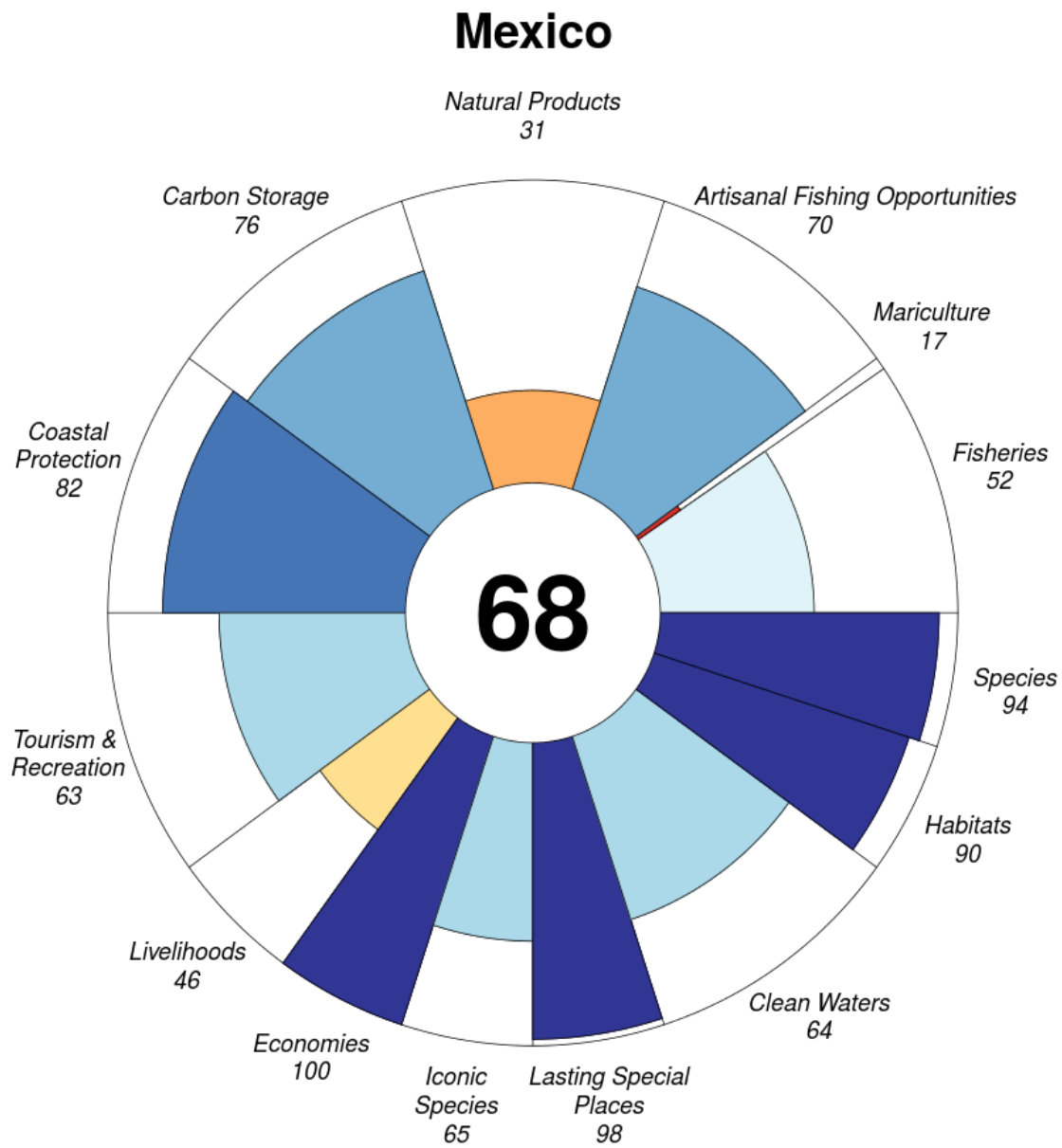


Figure 2: OHI 2016 Global Assessment: Mexico's Flower Plot

Explanation of Mexico's scores

The overall score for Mexico is 68, which is unchanged from 2015. Mariculture remains the lowest scoring goal in the country indicating low farmed fish productivity per coastal inhabitant. The natural products goal is also very low, indicating an unsustainable overharvest of some goods and/or an underharvest of other goods.

For a detailed summary of Country results visit: <http://www.oceanhealthindex.org/region-scores/scores/mexico>