Inter-American Convention for the Protection and Conservation of Sea Turtles
Mexico, Second Annual Report, 2006

Second Annual Report, 2006 [Translation]

Directory

Country	Mexico
Agency or institution responsible for preparing this report	Secretary of Natural Resources and the Environment National Fisheries and Aquaculture Commission
Name of the person in charge of this form	Aída Peña Jaramillo
Address	Blvd. Adolfo Ruiz Cortinez 4209 Col. Jardines en la Montaña C.P. 14210 Tlalpan, D. F.
P.O. Box	
Telephone(s)	56.28.39.09
Fax	56 28 06 94
E-mail	aida.pj@semarnat.gob.mx
Website	www.semarnat.gob.mx

Others who participated in the preparation of this form

Name	Affiliation	Contribution/ Topic	Telephone	E-mail
Adriana Laura Sarti Mtz	Priority Species for Conservation-Conamp	Protection and technical data	+52 (55) 54 49 70 71	lsarti@conanp.gob.mx
Martín Rodríguez Blanco	DGVS-SEMARNAT	Protection data	+52 (55) 56 24 34 79	martin.rodriguez@semarnat.gob.mx
Antonio Fuentes Montalvo	PROFEPA	Inspection and Patrol Activities National Legislation		afuentes@correo.profepa.gob.mx
Margarita Alba Gamio	CONANP	General information on the National Program.		malba@conanp.gob.mx
Luis Fueyo MacDonald	PROFEPA	Inspection and Patrol Activities. National Legislation		lfueyo@correo.profepa.gob.mx
Georgita Ruiz M.	CONANP	General information on the National Program.		gruiz@conanp.gob.mx
Lic. Luis Miguel López Moreno.	CONAPESCA	Incidental; Judicial Framework, Conservation Efforts and International Cooperation	+52 (66) 99 13 09 32	llopezm@conapesca.sagarpa.gob.mx
Lic. Ricardo Belmontes Acosta	CONAPESCA	Incidental; Judicial Framework, Conservation efforts and International Cooperation	+52 (66) 99 15 69 23	rbelmontesa@conapesca.sagarpa.gob.mx
Oscar Ramíres Flores	DGVS-SEMARNAT	General information on the National Program. Outline of national policy	+52 (55) 56 24 34 79	oscar.ramirez@semarnat.gob.mx
Lilia Estrada	DGVS-SEMARNAT	Regulations and legislation	+52 (55) 56 24 36 16	lestrada@semarnat.gob.mx
Francisco Javier Camacho Romero	Priority Species for Conservation-Conamp	Protection data	+52 (612) 12 84 170	fcamacho@conanp.gob.mx

Cuauhtemoc Peñaflores Salazar	Priority Species for Conservation-Conamp	Protection data	+52 (958) 584 33 76	cpenaflores@conanp.gob.mx
Pascual Rafael Bravo Gamboa	Priority Species for Conservation-Conamp	Protection data	+52 (22) 91 00 23 45	pbravo@conanp.gob.mx
Daniel Ríos Olmeda	Priority Species for Conservation-Conamp	Protection data	+52 (66) 99 18 16 98	drios@conanp.gob.mx
Hugo Díaz Sánchez	Priority Species for Conservation-Conamp	Protection data	+52 (229) 93 74 557	hdiaz@conanp.gob.mx
Miguel Ángel Flores Peregrina	Priority Species for Conservation-Conamp	Protection data	+52 (322) 22 13 549	peregrina7_28@hotmail.com
Armando Hernández Corona	Priority Species for Conservation-Conamp	Protection data	nd	acorona@conanp.gob.mx
Vicente Guzmán Hernández	Priority Species for Conservation-Conamp	Protection data	nd	vgh81@hotmail.com
Patricia Huerta Rodríguez	Priority Species for Conservation-Conamp	Protection data	+52 (55) 54 49 70 71	phuerta@conanp.gob.mx
Francisco Vargas Santamaría	Priority Species for Conservation-Conamp	Protection data	+52 (55) 54 49 70 71	fvsantamaria@conanp.gob.mx

Focal Point

Institution: Secretary of Foreign Relations

Name: RODOLFO GODINEZ ROSALES

Signature:

Date: July 7th, 2006

1. Biological Information

1.1. Species present

Species	Pacific Ocean	Atlantic Ocean	Caribbean Sea
	Phase(s)	Phase(s)	Phase(s)
Lepidochelys olivacea	R,F,M		
Lepidochelys kempii		R,F,M	D
Dermochelys coriacea	R,M	R,M	R,M
Eretmochelys imbricata	R,F,M	R,F,M	R,F,M
Chelonia mydas	R,F,M	R,F,M	R,F,M
Caretta caretta	F,M	R,F,M	R,F,M

Phases: R = Reproduction; F = Foraging; M = Migration; D = Phase Unknown

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1.2. Important sites for sea turtle conservation

Nesting Site: The beaches listed below are considered priorities due to the number of nests recorded for the different species and their role in protection activities.

Name of Site	Spp	Season	Geographic Location (Lat/Long)	Area (km or hectares, if applicable)	Protection Category	Observations* (see comment below)	Source
Aventuras DIF Qroo.	Cm Cc	jun-oct apr-sept	20° 22' 05" & 20° 21' 49" N 87° 19' 57" & 87° 19' 57" W	15 Km	No	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 101 – 500; Hatchlings - 10,001 – 100,000	*1
Xcacel-Xcacelito, Qroo.	Cm Cc	jun-oct apr-sept	20° 17' 30" & 20° 21' N 87° 21' 30" & 87° 26' W	3.5 Km	State Reserve	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 101 – 500; Hatchlings - 10,001 – 100,000	*1
Lechuguillas, Ver.	Lk Cm	mar-aug jun-oct	20° 00' 53.7" N 96° 35' 07.7" W	17 Km	No	Nests – 11-100; Hatchlings - 1,001 – 10,000 Nests – 101 -500; Hatchlings - 10,001 – 50,000	*1
El Cuyo, Yuc.	Ei Cm	apr-sept jun-oct	21° 29' & 21° 32' 45" N 87° 29' 30" & 87° 48' W	31 Km	Ría Lagartos Biosphere Reserve	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 101 – 500; Hatchlings - 10,001 – 100,000	*1
Punta sur, Q. Roo.	Cm Cc	jun-oct apr-sept	20° 17' 57.5" & 20° 17' 25.6" N 87° 00' 43.3" & 86° 57' 39.4" W	8 Km	Flora and Fauna State Refuge "Laguna Colombia"	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 11- 100; Hatchlings – 1,001 – 10,000	*1
Isla Aguada, Cam.	Ei Cm	apr-sept jun-oct	18° 57' & 18° 47' N 91° 18' & 91° 28' W	27.7 Km	Flora and Fauna Protected Area "Laguna de Términos"	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 101 – 500; Hatchlings - 10,001 – 100,000	*1
Punta Xen,Cam.	Ei	apr-sept	19° 30' & 19° 13' 30" N 90° 45' & 90° 50' 36" W	30 Km	No	Nests – 101 - 500; Hatchlings – 10,001 – 100,000	*1
Las Coloradas, Yuc.	Ei Cm	apr-sept jun-oct	21°36' 40" & 21° 32' 30" N 88° 10' 00" & 87° 47' 30" W	21.5 Km	Special Reserve of the "Ría Lagartos" Biosphere	Nests – 101 - 500; Hatchlings – 10,001 – 100,000 Nests – 101 – 500; Hatchlings - 10,001 – 100,000	*1
Chenkan, Cam.	Ei	apr-sept	19° 13' 30" & 19° 04' 12" N 90° 50' 36" & 91° 13' 05" W	20 Km.	No	Nests – 101 - 500; Hatchlings – 10,001 – 100,000	*1
Ixtapilla, Mich.	Lo	jun-jan	18° 24.996' N 103° 32.093' W	5 Km.	No	Nests – 10,001 – 100,000 Hatchlings -1,000,000 – 5,000,000	*1
La Escobilla, Oax.	Lo	jun-jan	15° 43' 35" & 15° 40' 50" N 96° 45' 46" & 96° 37' 02" W	8.9 Km.	Sanctuary "La Escobilla"	Nests - > 500,000;; Hatchlings - >5,000,000	*1
Morro Ayuta, Oax.	Lo	jun-jan	15° 52' 23" & 15° 54' 20" N 95° 46' 36" & 95° 42' 42" W	8.3 Km.	Sanctuary "Morro Ayuta"	Nests - 100,001 – 500,000; Hatchlings - >5,000,000	*1
Barra de la Cruz,	Lo Dc	jun-jan oct-mar	15° 49.322' & 15° 50.345' N, 95° 58.019' & 95°	8.6 Km.	No	Nests – 101-500; Hatchlings -1,001-10,000 Nests – 11-100; Hatchlings – 0-1,000	*1

Oax.			53.385' W				
Cahuitán, Oax.	Lo Dc	jun-jan oct-mar	16° 18' 42" & 16° 16' 58" N 98° 32' 64" & 98° 27' 48" W	12 Km.	No	Nests – 101-500; Hatchlings - 10,001-50,000 Nests – 11-100; Hatchlings – 0-1,000	*1
Chacahua, Oax.	Lo Dc	jun-jan oct-mar	15° 58' 45" & 15° 57' 55" N 97° 46' 41" & 97° 34' 05" W	23.22 Km.	Chacahua Lagoons	Nests – 1,001 – 5,000; Hatchlings – 10,001 – 50,000 Nests – 11 - 100; Hatchlings - nd	*1
Mexiquillo, Mich.	Lo Dc	jun-jan oct-mar	18° 10' 25" & 18° 05' 34" N 102° 58' 25" & 102° 48' 31" W	19.6 Km.	Mexiquillo Sanctuary	Nests – 101 - 500; Hatchlings – 10,000 -50,000 Nests – 11 - 100; Hatchlings – 0 – 1,000	*1
Tierra Colorada, Gro.	Lo Dc	jun-jan oct-mar	16° 30' 03" & 16° 19' 36" N 98° 43' 40" & 98° 34' 05" W	25.8 Km.	Tierra Colorada Sanctuary	Nests – 101 - 500; Hatchlings – 10,000 -50,000 Nests – 11 - 100; Hatchlings – 0 – 1,000	*1
Rancho Nuevo, Tamps.	Lk Cm	mar-aug jul-oct	23° 19' 58.6" & 23° 03' 30.1" N 97° 46' 13.5" & 97° 45' 42.2" W	22 Km	Rancho Nuevo Sanctuary	Nests – > 5,000; Hatchlings – > 500,000 Nests – 11- 100; Hatchlings – 1,001 – 10,000	*1
Colola, Mich.	Cm Lo	sept-jan jun-jan	18° 18.153' N 103° 25.481' W	4.8 Km	Colola Sanctuary	Nests – 1,001 – 5,000; Hatchlings – 10,001 – 50,000 Nests – 501 – 1,000 Hatchlings – 10,001 – 50,000	*1
Maruata, Mich.	Cm Lo	sept-jan jun-jan	18° 16.304' N 103° 20.503' W	4.8 Km	Maruata Sanctuary	Nests – 11 - 100; Hatchlings – 0 – 1,000 Nests – 101 – 500; Hatchlings – 1,001 – 10,000	*1
El Verde, Sin	Lo	Jan-dec	23° 27' 14" N 106° 35' 46" W , 23° 18' 30" N 106° 29' 04" W	28 Km	No	nd	

Other Sites

Name of Site	Spp	Season	Geographic Location (Lat/Long)	Area (km or hectares, if applicable)	Protection Category	Observations* (see comment below)	Source
Playa Dos-Barra del Tordo, Tamps.	Lk	Mar-aug	nd	42 Km	No	Nests - 501 – 1,000; Hatchlings 10,001 – 50,000	
Tecolutla, Ver.	Lk, Cm Ei	apr- sept	20° 28.87' N 97° 0.52' W 20° 33.91' N 97° 05.91' W	37 Km	No	Nests – 101 – 500, Hatchlings - 5,001 – 10,000 Nests – 0 – 10, Hatchlings - 0 – 1,000 Nests – 0 – 10, Hatchlings - 0 – 1,000	*34
Papantla, Ver	Lk, Cm, Ei	apr- sept	20° 33.79' N 97° 06.02' W 20° 36.77' N 97° 08.62' W	8 Km	No	nd	
Cazones, Ver.	Lk, Cm, Ei	apr.- sept	20° 40.72' N 97° 11.00' W 20° 40.76' N 97° 08.62' W	18	No	Nd; Nests – 1,001 – 5,000; Hatchlings – 50,001 – 100,000; Nd; work has been done together with the communities, the Municipality of Cazones and Conanp.	*35
Chupadero, Col.	Lo, Dc	Jun-jan Oct-mar	nd	25 Km	No	Nests – 1,001 – 5,000; Hatchlings 10,001 – 50,000; Nests – 11 – 50; Hatchlings nd	
Platanitos, Nay.	Lo, Dc, Ei	jun-jan oct- mar jun – jan	nd	17 Km	No		

Nuevo Vallarta, Jal.	Lo	jun-jan	nd	14.5 Km.	No		
El Verde Camacho, Ver.	Lo	Jun-jan	18º 45' 15'' & 23° 28' 30'' N 106° 29' 04'' & 106° 39' 08'' W	30 Km	"El Verde Camacho" Sanctuary	Nests - 1,001 – 5,000; Hatchlings - >50,000	
Tepehuajes, Tamps.	Lk	mar-aug	nd	47.1	No	Nests – 1,001 – 5,000; Hatchlings > 50,000	

Note: The total nests are given by beach for each species for the last nesting season finished 2005, thus the species of the Atlantic and Caribbean Sea (kemp's ridley, green, loggerhead, hawksbill) include March to December 05, while the species of the Pacific (leatherback, olive ridley and black turtle) include June 05 to February 06. It is important to mention that some camps still have a few nests left to hatch and therefore, although they are missing some hatchlings and need to adjust the data accordingly, this will be done when writing the final report. On a separate page, some digital files with some final reports are attached.

Foraging Site

Name of Site	Spp	Season	Geographic Location (Lat/Long)	Area (km or hectares, if applicable)	Protection Category	Observations*
In front of the coast of Southern Baja California	Cc		28°40 N, 114°14 W			3,7, 10, 11, 13, 14, 15, 16
Pt. Adolfo López Mateos	Cc	All year, especially in summer			none	
Bahía de los Ángeles, BCN	Cm		28.9686° N 113.53351° W			4, 6, 8
Canal de Infiernillo, Son.	Cm		29.00730° N 112.18281° W			5
Bahía de Loreto, BCS	Cm		26.02392° N 111.32195° W		Marine Park	6, 8
Bahía Concepción-Mulege, BCS	Cm		27.00267° N 111.95494° W			6, 8
Laguna Ojo de Liebre, BC	Cm, Ei		27.68303° N 114.12368°W		Biosphere Reserve El Vizcaíno	6, 8, 12
Laguna San Ignacio, BCS	Cm, Ei		27.78887° N 114.23765° W			6, 8, 12
Bahía Magdalena-Almejas	Cm, Ei		24.59167° N 111.97701° W			6, 8, 9, 12
Pacific Coast, Istmo de Tehuantepec, Oax.	Lo		16.1515° N 94.51298 W			36
Coast of Yucatán and Quintana Roo	Ei, Cm, Cc		22.18311° N 88.84683° W		Coral Reef Biosphere Reserves: Sian'Kaán and Banco Chinchorro, Rá Celestún and rá Lagartos, National Parks: Coral reefs of Cozumel and Puerto Morelos, Western coast of Isla Mujeres and Puerto Morelos, Punta Cancún, Punta Nizuc, Isla Contoy, Tulúm, Coral Reefs of Xcalak and Alacranes Reef.	

* The numbers correspond to the literature included in the sources of information section.

Migratory Routes

Name of Site	Specie(s)	Season	Geographic Location (Lat/Long)	Area (km or hectares, if applicable)	Protection Category	Observations*
Mexican Pacific Ocean	Dc		Once female leatherbacks have finished laying (on average 5 times, maximum up to 13) they head South, arriving in Chilean waters, according to the data published by Eckert and Sarti, 1997			19
Mexican Pacific Ocean	Lo		Olive ridley turtles nest in abundance along the entire Pacific coast of Mexico; however, there are three beaches of global importance due to the massive nesting that occurs. These beaches are: La Escobilla and Morro Ayuta in the State of Oaxaca. Olive ridleys shown movements along the entire coast of the western Pacific			17
Mexican Pacific Ocean	Cm		The black turtles that nest in Michoacán, head towards the Gulf of California, moving between 1,211 Km to 2,027 km. Inside the Gulf of California, the turtles move throughout the Gulf. The black turtles of Revillagigedo move between the Archipelago islands and the San Diego bay in CA.		The Archipelago Revillagigedo is a Biosphere Reserve.	6 Dutton *et.al*. unpublished data.
Mexican Pacific Ocean	Cc		28°40 N, 114°14 W	Loggerhead turtles that hatch in Japan mainly travel towards the western coast of the Baja California Peninsula , covering a total of approximately 11,500 km.		7, 10, 11, 13, 14, 15, 16
Atlantic (Gulf of Mexico) and Caribbean Sea	Cm		Two turtles tagged at Isla Mujeres, Q. Roo, one male and one female, left there and headed towards the coast of Florida, traveling along the coast between the States of Yucatán, Campeche and then crossing the Gulf of Mexico, each sex, however, displayed distinct behaviors.			18
Atlantic (Gulf of Mexico)	Cm	Sep-Nov	Attached Map (Rafael Bravo)	900-1,500 ha	Endangered	Information provided by Rafael Bravo
Caribbean Sea	Ei		Hawksbill movements are observed along the Yucatán Peninsula, between the states that comprise it		In the region there are some natural protected areas such as Contoy Island and Ría Lagartos among others (see above)	

* The numbers correspond to the literature included in the sources of information section.

2. Information regarding the use derived from sea turtles

Consumptive Use

Types of use	Specie	Products	Ocean Basin	Origin*		Estimated annual quantity	Information Source	Actions
				L	I			
Domestic/ commercial	Cm, Cc, Ei, Lo, Lk, Dc	Eggs, meat	Pacific, Atlantic and Caribbean Sea		Illegal according to the permanent closure decree in 1990.	nd (eggs are most desired; however, with inspection, patrolling and protection activities, the number of eggs poached has been reduced to less than 20% at the majority of the beaches, specifically on priority beaches). In 2005, an estimated 400 nests and 20 females were poached on Platanitos Beach, Nay	Internal Reports	Operatives are carried out by the Mexican Navy and PROFEPA inspectors by performing nightly nesting beach patrols, arresting all individuals on the beach with eggs or any other sea turtle product in their possession. Additionally, they set up road blocks, during which all vehicles are searched.
Commercial / artisenal	Ei	carapace	Pacific, Atlantic and Caribbean Sea		Illegal according to the permanent closure decree in 1990.	Nd		
medicinal	Dc, Lo	blood, oil	Pacific		Illegal according to the permanent closure decree in 1990.	nd (less than 10 animals per season on some beaches)	Personal observations LS	
scientific	Cm, Cc, Ei, Lo, Lk, Dc	skins, eggs, embryos, etcetera	Pacific, Atlantic and Caribbean Sea	Requires permit explicitly for the scientific collection issued by DGVS of SEMARNAT at the same time justifying the research objectives		Varies. Normally they are adjusted to use minimum sample sizes as specified in the research protocol.		Applicants are required to fill out an application and have a research protocol endorsed by a research institution. Anyone who collects for scientific purpose and does not have permission to do so faces legal sanctions. Based on NOM-126.

cultural	Cm-Pacific	meat	Pacific	Requires permit explicitly for their capture		2 to 4 turtles in the community of Seri	DGVS	A written request is required, and the minimum number possible is authorized. PROFEPA inspectors are present in order to assure the number and species captured. Based on the Constitution of the United Mexican States, which establishes the obligation of the government to promote uses and customs of the indigenous people.

Non-Consumptive Use

Types of use	Specie	Products	Ocean Basin	Origin*		Estimated annual quantity	Information Source	Actions
				L	I			
Education	Cm, Cc, Lo, Dc, Lk, Ei.		Pacific, Atlantic and Caribbean Sea	If the research Project requires handling animals, it needs to have a permit or be registered		In the majority of the turtle centers, lectures are given to visitors. Within the framework of the National Program, and with the goal of standardizing methods, techniques and terms used, training courses are given. Numerous individuals from local communities currently participate in the Leatherback Project; therefore, two training courses have been given since 2004 and they are now thinking of holding at least 1 every year for the next 5 years.		Summer courses, student groups
Scientific	Cm, Cc, Lk, Ei, Lo, Dc		Pacific, Atlantic and Caribbean Sea	A permit for scientific collection is required even though it does not involve the collection of animals or their parts (live or dead)				tagging, migration, evaluation of nest abundance, management

Conservation/Protection	Cm, Cc, Lk, Ei, Lo, Dc		Pacific, Atlantic and Caribbean Sea	Must be registered by DGVS-SEMARNAT		114 turtle centers are registered with DGVS, and are operated by the federal government, state government and private institutions.	DGVS-SEMARNAT	Protect females, their eggs and hatchlings
Tourism	Cm, Cc, Lk, Ei, Dc, Lo		Pacific, Atlantic and Caribbean Sea	Must be registered by DGVS-SEMARNAT		The majority of the turtle centers receive tourists and volunteers that participate in protection activities.		Guided visits, hatchling release, exhibits, aquariums

3. Main threats

3.1 Habitat and other threats

Threats	Specie(s) Affected	Size of Impact	Geographic Region(s) Affected	Information Source	Actions
Habitat alteration (alteration of coral reefs).	Cm, Cc, Ei	moderate	Tourist corridor Cancún-Tulúm Quintana Roo coast	internal	All construction occurring within the coastal zone requires a declaration of environmental impact based on the General Law of Ecological Balance and Environmental Protection (LEGEEPA) and according to the Regulation on environmental impact matters. SEMARNAT dictates mitigation measures concerning such constructions or development. Nests in El Verde are relocated to incubation rooms where they are placed in Styrofoam boxes.
Habitat alteration (beach erosion from constructing on sand dunes)	Cm, Cc	moderate	Tourist corridor Cancún-Tulúm Quintana Roo coast	internal	
Coastal development (tourism, vehicles on the beach, lights, visitation traffic).	Cm, Cc, Lo, Dc, Lk	Moderate. On El Verde Beach an estimated 400 females (85,000 eggs may be affected by vehicle traffic)	Tourist corridor Cancún-Tulúm Quintana Roo coast, Gulf of México, Pacific.	internal	
Coastal development (change of land use to construct rural housing)	Lo, Dc, Cm	Nd	Pacific	Internal. (Mexican Turtle Center)	Patrolling is done in the area. Environmental education, Community organization.
Beach obstruction from human wastes on land or dumped at sea	Lk, Cm, Cc, Dc	Nd	Gulf of Mexico (Jurisdiction of "Lechuguillas, Ver")	Internal	During the patrols, these obstacles are removed to allow the turtles free access
Hurricanes (beach erosion).	Cm, Cc	Generally low. In 2005 it was determined that 196 nests from at least 2 species (Lk, Cm) were lost in the area of "Lechuguillas, Ver" due to natural phenomena	Coast of México (Pacific, Caribbean and Gulf of México) is exposed every year to hurricane activity, however, they occur infrequently.	Internal (Executive Report, 2005)	Implement management strategies to avoid loss of nests.

Hydrocarbon contamination (oil spills)	Lk, Cm, Ei	Moderate	Gulf of México, Sonda de Campeche, (Atlantic)	Meeting with those involved and interested in the Kemp's Ridley Recovery Plan	
Lights on the beach, vehicle traffic	Lo, Dc	low	Pacific. Incipient. Some beaches are experiencing the beginning of urban development which exposes the nesting beach to light, others, with important tourism development, have resulted in vehicle traffic on beaches.		

3.2 Capture (Intentional/incidental)

Threats	Specie(s) Affected	Size of Impact	Geographic Region(s) Affected	Information Source	Actions
Direct take at sea	Dc, Lo, Cm Lk, Cc, Ei	Moderate for some species, low for others	Pacific (mainly coasts of Sinaloa and Oaxaca) and Gulf of Mexico	Internal	In Mexico, consumptive use of sea turtles, their products and sub-products is prohibited by law; however, despite these efforts, some direct take still exists, especially in certain regions of the country like Baja California, Sonora, Sinaloa and Oaxaca. Therefore, the Mexican Navy carries out patrols by boat to detect boats that are fishing illegally. PROFEPA inspectors develop these same types of activities accompanied by the Marines.
Predation of eggs and neonates by domestic or wild animals.	Lo	Undetermined	Morro Ayuta and Escobilla in Oaxaca	PROFEPA	Project in conjunction with the Secretary of Health to carry out a sterilization and scarification program for wild dogs.
Egg poaching and killing females on the beaches.	Lo, Dc, Cm, Lk, Cc, Ei	Undetermined. An estimated 5 to 20 adult individuals in the area of "Lechuguillas, Ver" area captured per season. The number per species is undetermined.	Pacific (focusing specifically on the coast of Oaxaca, mainly on the beaches of Morro Ayuta and Escobilla), Gulf of Mexico	PROFEPA. Internal Reports from Conanp	Carry out inspections, patrols and special operatives to protect the species while nesting. Inspections and patrols are also performed throughout the country in establishments selling fish and seafood in order to detect illegal commercialization.

Longlines and drift nets					Since 1993 in the Gulf of México and 1996 in the Mexican Pacific, the use of turtle excluder devises is mandatory for shrimp trawlers. Although beach seines, gillnets and longlines interact with sea turtles, there are no specific studies on incidental capture that allows us to understand both spatially and temporally, the size of the problem. One of the fisheries with the most fishermen is shark fishing. This fishery uses drift nets and longlines. Recently, the Mexican government has approved a regulation to regulate this fishery, the official Mexican normative is NOM-029-PESC-2006, including dispositions that take into consideration incidental capture as well as the mechanisms for reducing incidental capture of sea turtles. Other fisheries with recurrently less efforts, such as scale and swordfish fishing, may interact with sea turtles; however, there are no exact figures on their impact. Under these circumstances, onboard observer programs are created to measure incidental capture and generate information to support an appropriate decision making process. Many workshops with coastal fishermen have been carried out along both coasts. There also exists a great awareness on behalf of the coastal fisheries sector to collaborate on sea turtle conservation programs and adopt more selective fishing techniques and equipment to save turtles in order to help their populations recover.
Gillnets					
Beach seine					
Trawl nets					

4. Legal Framework

4.1. International instruments

Treaty, Convention, Agreements, Memorandum of Understanding	Year signed and/or ratification
Convention on Wetlands of International Important especially as Waterfowl Habitat (Ramsar, Iran, 1971)	1986
Seven sea turtle nesting beaches are inscribed on the List of Wetlands of International Importance of the Ramsar Convention.	Rancho Nuevo, Tamaulipas November 27th, 2003 Tierra Colorada, Guerrero November 27th, 2003 Mexiquillo, Michoacán. February 2nd, 2004 El Verde, Sinaloa. February 2nd, 2004 Kahultan, Oaxaca. February 2nd, 2004 Chenkan, Campeche. February 2nd, 2004 Xcacel-Xcacelito, Quintana Roo. February 2nd, 2004

Convention on International Trade in Endangered Species of Wild Flora and Fauna, CITES	1992
Memorandum of Understanding, Program of Cooperation MexUs-Gulf, MexUs-Pacific	1992
Convention on Biological Diversity	1993
Memorandum of Understanding-Trilateral Committee-México-United States of America-Canada for Wildlife and Ecosystems Conservation and Management	1996
Inter-American Convention for the Protection and Conservation of Sea Turtles	1999
Code of Conduct for Responsible Fisheries FAO, 1995	
United Nations Convention on the Law of the Sea (UNCLOS), Montego Bay, 1982	1983

4.2. National legislation

Type and name of legal instrument (No.)	Description (Range of application)	Sanction(s) Imposed
General Law of Ecological Balance and Environmental Protection	No change	No change
General Wildlife Law	No change	No change
Fisheries Law	No change	No change
Penal Code (twenty-fifth title) for the Federal District in Common Matters and for the Entire Republic in Federal Matters	No change	No change
Agreement on closed season (31st of May, 1990)	No change	No change
Refuge zone decree (29th of October, 1986)	No change	No change
Agreement for those areas determined to be natural protected areas, under the category of sanctuary. (16th of July, 2002)	No change	No change
Official Mexican Regulation NOM-002-PESC-1993	No change	No change
Modification of the Official Mexican Regulation NOM-002-PESC-1993 (30th of July, 1997)	No change	No change
Official Mexican Emergency Regulation NOM-EM-007-PESC-2004	No change	No change
"*Notice of the establishment of the geographic boundaries of Bahía de La Paz, Southern Baja California, to be used in the Official Mexican Regulation NOM-002-PESC-1993.* (30th of October of 2002)	No change	No change
Official Mexican Regulation NOM-059-SEMARNAT-2001 (6th of March, 2002)	No change	No change
Official Mexican Regulation NOM-126-SEMARNAT-2000	No change	No change
Regulation of Environmental Impact	No change	No change
Prohibits the possession or consumption of eggs, 1927	No change	No change
The management plan for non consumptive use to register nesting beach protection activities	Instrument regulating sea turtle protection and conservation activities.	Administrative

4.3. Indicate any legal instruments that are currently in the process of being approved.

Official Mexican Law PROJECT PROY-NOM-061-PESC-2005, stating the technical specifications for turtle excluder devices used by the shrimp trawling fleets in waters under jurisdiction of United States of Mexico.

4.4. Public and private institutions involved in sea turtle conservation

Institution/ Entity	Responsibilities
Secretary of Natural Resources and the Environment	
CONANP. National Commission on Natural Protected Areas	Operate the National Program for the Protection, Conservation, Research and Management of Sea Turtles and coordinate the 28 Sea Turtle Protection and Conservation Centers in 15 coastal states within the country (CONANP).
PROFEPA. Federal Attorney General of Environmental Protection	Carry out inspection and patrolling operations (PROFEPA).
DGVS. General Wildlife Direction	Application of the policy to conserve and protect marine chelonid species and regulate the operation of 114 turtle camps managed by non-governmental organizations, universities, groups of fishermen and individuals (DGVS).
ZOFEMAT. General Direction of the Federal Land Maritime Zone and Coastal Environments	Regulate the use of the federal land maritime zone of nesting beaches (ZOFEMAT).
Navy Secretary	Assist in carrying out inspection and patrolling activities on the coasts and nesting beaches.
Secretary of Agriculture, Livestock, Rural Development, Fishing and Nourishment CONAPESCA. National Fisheries and Aquaculture Commission INP. National Fisheries Institute	Verify the use of turtle excluder devises.
Attorney General of the Republic	To enforce the application of the law in sea turtle matters.
Northern Biological Research Center (CIBNOR) of La Paz	Research
Universidad Autónoma de Baja California Sur (UABCS)	Research
Escuela de Campo Puerto. San Carlos, BCS	Training, Research
Kutzari Association for the Study and Conservation of Sea Turtles, A. C.	Conservation, Training, Research, Dissemination
Universidad Autónoma Benito Juárez de Oaxaca	Research, Human Resources Training
Sudcalifornian Association for the Protection of Sea Turtles and the Environment (ASUPMATOMA)	Conservation, Environmental Education, Research
Government of the Sate of Veracruz	Nest, female and hatchling protection activities on Nautla Beach, Ver.
Veracruz Aquarium, A. C.	Protection activities on the beach of Isla Sacrificios, Ver.
National Commission for the Development of Indigenous Communities (CONADEPI)	Protection activities on the beaches in the southern region of the State of Veracruz

Tampico el Alto Municipality (Gov. of the State of Veracruz)	Protection activities on the beach of Paraíso Escondido, Ver.
Tamiahua Municipality (Gov. of the State of Veracruz)	Protection activities in Tamiahua, Ver.
Tuxpan Municipality (Gov. of the State of Veracruz)	Protection activities on the beaches "Barra de Galindo and Bahía de Cochinos", Ver.
Cazones Municipality (Gov. of the State of Veracruz)	Protection activities on the beach El Farallón, Ver.
Ursulo Galván Municipality (Gov. of the State of Veracruz)	Protection activities in Chachalacas, Ver.
Instituto de Ciencias del Mar y Limnología, UNAM	Research, training and dissemination
Coordination of States for the Environment of the Veracruz Government (CEMA)	Protection activities on a beach in the State of Veracruz,
National Counsel on Environmental Protection of the State of Veracruz (COEPA)	Support training, materials and establishing agreements in the State of Veracruz.
Flora, Fauna y Cultura, A. C.	Protection activities on the beaches in the Sate of Quintana Roo, including Xcacel-Xcacelito Beach.

5. Exceptions

In Mexico, the use or possession of sea turtles is prohibited and there are no programs that allow for their regular extractive use. All other extraction must have justified objectives and a permit *ex professo*.
The Seri or Conca'ac indigenous groups have occupied the central coast of Sonora, Tiburón island and other islands like San Esteban since archaic times. They currently inhabit the dessert coast of Sonora, and because of their uses and customs, the law protects and authorizes the use of 2 or 3 green turtles of the pacific (*Chelonia mydas*) each year in their new year celebration.

6. Conservation Efforts

The 2005 year was especially difficult for Mexican turtle camps due to adverse conditions as a result of the hurricanes that touched Mexican coasts, some camps were destroyed and are currently under reconstruction (Yucatán, Quintana Roo, Chiapas, Oaxaca and Guerrero), and therefore, the data submitted are not complete.

The annex includes historical and background information on some nesting beaches and conservation actions.

6.1 General description of the sea turtle protection and conservation program

The National Sea Turtle Program is run by the Environmental Sector. The General Wildlife Direction establishes the measures and policies regarding the management, conservation, protection, use and research of sea turtles in Mexico. Their main objectives are to analyze the population status of the different species that are found throughout the country, embark on current legislation, coordinate the various sectors that participate in protection and conservation activities, and to establish the instruments that will allow for implementation of protection strategies. Additionally, they carry out activities on nesting beaches such as protecting nesting females and their eggs in order to produce the greatest number of hatchlings.

26 federal centers are operated by the National Commission of Natural Protected Areas (Conap) whose mission is to protect and recover the populations of sea turtle species found in Mexico in their natural surroundings. Currently, there are 17 reserve and refuge sites for the reproduction of sea turtles, 16 of which are sanctuaries. The Mexican Turtle Center has the main purpose of disseminating awareness on sea turtle biology as well as the current state of these populations, in Mexico as well as in throughout the world.

In addition to these, over 150 centers are operated on all the country's beaches by universities, NGO's and communities.

By means of the National Fisheries Institute, a variety of technological research activities are carried out, from matters regarding the use of TEDs to longline fishing.

6.2 Relevant Projects and Activities

Project/Activities	General Objectives	Results Obtained	Duration	
			From	Until
National Program for the Protection, Conservation Research, and Management of Sea Turtles	Dictate the policies and guidelines for the development of sea turtle protection and conservation activities. Protect the nesting areas of the diverse species of sea turtles found throughout Mexico. Encourage the development of specie specific projects. Coordinate the activities being carried out by various actors involved in sea turtle conservation.	Activities along both coasts of the country which protect a great number of females, their eggs and hatchlings. Currently, there are 114 registered centers carrying out these activities. Last year, 1,257,381 nests from the seven species of nesting turtles in our country, were protected.	1991	present
Consequent Recovery Plan for the Eastern Pacific Leatherback Turtle, *Dermochelys coriacea*	To achieve the recovery of the leatherback turtle in the Pacific of Mexico through activities that protect the females, their eggs and hatchlings on the main nesting beaches in Mexico, as well as maintaining the knowledge of their population trend. Propose activities to be developed over the next ten years, and encourage necessary actions to decrease their incidental capture in both national and international longline and drift nest fisheries.	1. Protecting females, eggs and hatchlings on the priority and secondary beaches (95%), 2. Monitoring the population using standardized methods. Attached is a synthesis of the status of the leatherback in Mexico. 3. Provide training to students and professionals on this topic as well as to the habitants of the coastal towns.	Since the early 80's	Present
Consequent Conservation Plan for the sea turtles of the Gulf of California.	To achieve the conservation of sea turtle populations present in the coastal and marine zones of the Baja California Peninsula and propose creating specific actions for their protection.	Protecting the most northern nesting areas of the country.	From 2003	Present
Kemp's Ridley, *Lepidochelys kempii,* Protection Conservation and Recovery Project (Binational).	To achieve the conservation and recovery of the kemp's ridley (*Lepidochelys kempii)* populations present in the coastal and marine zones of the Gulf of México. Propose eleven strategies to strengthen the actions that have been developed up to this day.	1. Protecting the main kemp's ridley nesting area. 2. Last year, 7,464 nests were protected. 3. The population shows a trend towards its recovery. The Kemp's Ridley Recovery Plan is currently being created by the USFWS and SEMARNAT as an agreement for bilateral actions with the participation of all those involved and interested in the conservation of this species.	From 1966	Present
Hawksbill, *Eretmochelys imbricata,* Protection, Conservation and Recovery Project	To achieve the conservation and recovery of hawksbill (*Eretmochelys imbricata)* populations	Analysis on the current status of the hawksbill turtle. This document is currently being produced.	From1984	Present

Setting up Environmental Watch Committees and accreditation of community guards	Get the communities surrounding nesting beaches involved in sea turtle protection and conservation.	Created 21 community environmental watch committees	Annex II	
Other Projects:				
Sea Turtle Conservation Project on the Oaxaqueña Coast (Oaxaqueña Coast Wetland Network)	Help with the recovery of sea turtles and their habitat through community projects to protect eggs, hatchlings and adults.	Form Wildlife Committee	Since 2003	Present

7. International Cooperation

1.- Leatherback Project.- Under the Mex-US Pacific Agreement. Main activities- to protect the eggs of 100% of the clutches on primary and secondary beaches, evaluate the number of nests along the length of the Pacific coast of Mexico by air surveys and tagging females on main beaches, participation of local communities and training them on conservation matters. Genetic population studies.
2.- Kemp's Ridley Project.- Under the Mex-Us Gulf Agreement. Main activities- to protect 100% of the clutches on the most important nesting beaches for this species and monitor the number of nests in order to determine population trends. Promote economic alternatives for the inhabitants of the region, environmental education activities and tourism.
3.- Black turtle project (Chelonia mydas of the Pacific).- Under the Mex-Us Agreement. Main activities- promote actions that protect the majority of the clutches on the main nesting beaches and minimize illegal fishing in Baja California. Estimate their abundance and migrations within the Revillagigedo Archipelago. Determine feeding areas along the southern Pacific coast of Mexico.
4.- Diverse non-governmental international organizations like WWF, Conservation International, Wildlife Defenders, and IFAW, support projects protecting sea turtles in Mexico.

8. National Directory

Name	Institutional Affiliation	Field/ Specialty	Telephone	Fax	E-mail	Web Site
Lilia Estrada González	Dirección General de Vida Silvestre -SEMARNAT	Application of Legislation	(55) 56 24 36 16	(55) 56 24 36 42	lestrada@semarnat.gob.mx	www.semarnat.gob.mx
Laura Sarti Martínez	Comisión Nacional de Áreas Naturales Protegidas	Researcher	(55)56 24 34 79	(55) 56 24 36 42	lsarti@conanp.gob.mx	www.conanp.gob.mx
Ana Rebeca Barragán Rocha	Kutzari, Association for the Study and Conservation of Sea Turtles, AC	Conservation Genetics Social Participation.	(55) 55 16 20 61	(55) 55 16 20 61	kutzariac@yahoo.com.mx arbr@prodigy.net.mx	
Alberto Abreu Grobois	Instituto de Ciencias del Mar y Limnología	Geneticist	(669) 85 28 46		abreu@ola.icmyl.unam.mx	

Raquel Briseño Dueñas	UNAM	Researcher	(855) 56 22 61 92		raquel@servidor.unam.mx	
Miller Alexander Longoria	CANAIPES	Fisheries Industry	(833) 2 14 71 71		milleral@giasa.com.mx	
Rene Márquez Millán	None	Independent Researcher	(314) 34 17 08		rmarquez@bay.net.mx	
Sonia Ortiz	Aventur	Ecotourism	(81) 83 78 59 26	(81) 83 35 61 19	sortiz@teledinamica.com.mx	
Patricia Luevano	Secretary of Public Works, Urban development and Ecology/ General Direction of the Environment	Environmental Education	(834) 31 8 94 50	(834) 31 8 94 66	tortugalora@tamaulipas.gob.mx	
Javier Alvarado Díaz	Natural Resources Research Institute /Universidad Michoacana de San Nicolás de Hidalgo	Research	(443) 2-27-23-51	(443) 3 27 23 50	jadiaz@zeus.umich.mx	
Javier Vasconcelos	None	Independent Researcher	Celular 04455 13355818		jvasconcelos47@yahoo.com.mx	
Alejandro Arenas	Flora, Fauna y Cultura de México, A. C.	Project Director				http://www.florafaunaycultura.org/
Carmen Jiménez	Regional Fisheries Research Center - Manzanillo, National Fisheries Institute	Researcher	(314) 33 23 750	(314) 33 23 750	cjimenez@bay.net.mx	
Roberto L. Herrera Pavón	ECOSUR - Chetumal	Researcher	9838350440 ext. 232	9838350440 ext. 240	alextortuga@yahoo.com	www.setascultivadas.com/ecosur.html
Francisco Javier Camacho Romero	Priority Species for Conservation, Conanp	Protection Data	+52 (612) 12 84 170	+52 (612) 12 84 170	fcamacho@conanp.gob.mx	www.conanp.gob.mx
Cuauhtemoc Peñaflores Salazar	Priority Species for Conservation, Conanp	Protection Data	+52 (958) 584 33 76	+52 (958) 584 33 76	cpenaflores@conanp.gob.mx	www.conanp.gob.mx
Pascual Rafel Bravo Gamboa	Priority Species for Conservation, Conanp	Protection Data	+52 (22) 91 00 23 45		pbravo@conanp.gob.mx	www.conanp.gob.mx
Daniel Ríos Olmeda	Priority Species for Conservation, Conanp	Protection Data	+52 (66) 99 18 16 98		drios@conanp.gob.mx	www.conanp.gob.mx
Hugo Díaz Sánchez	Priority Species for Conservation, Conanp	Protection Data	+52 (229) 93 74 557		hdiaz@conanp.gob.mx	www.conanp.gob.mx
Miguel Ángel Flores Peregrina	Priority Species for Conservation, Conanp	Protection Data				www.conanp.gob.mx

Armando Corona	Priority Species for Conservation, Conanp	Protection Data				www.conanp.gob.mx
Vicente Guzmán Hernández	Priority Species for Conservation, Conanp	Protection Data				www.conanp.gob.mx
Patricia Huerta Rodriguez	Priority Species for Conservation, Conanp	Protection Data			phuerta@conanp.gob.mx	www.conanp.gob.mx
Francisco Vargas Santamaría	Priority Species for Conservation, Conanp	Protection Data			fvsantamaria@conanp.gob.mx	www.conanp.gob.mx

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10. Annexes (In Spanish)

1. List of Community Participatory Control Committees
2. Information pertaining to the Sate of Baja California.
3. Results of activities carried out by the Mexican Turtle Center (CMT)
4. Information pertaining to the State of Veracruz, especially on the beaches of Lechuguillas and Boca de Lima (Tecolutla)
5. Information on the results of beach protection at El Verde, Sinaloa.
6. Results on the nesting beaches of Chacahua, Oaxaca and Chupadero, Colima and beaches of the State of Nayarit, 2005 season.
7. Results from the beaches in the State of Campeche, 2005 season.

Mexico D. F. July 7th, 2006