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IMPROVED MANAGEMENT AND CONSERVATION OF CRITICAL WATERSHEDS PROJECT

FY 2010 Q4 and ANNUAL REPORT
(October 1, 2009 – September 30, 2010)



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ACRONYMS

ADESCO	Asociación para el Desarrollo Comunitario
ANDA	Administración Nacional de Acueductos y Alcantarillados
CENDEPESCA	Fishing and Agricultural Development Center (part of MAG)
CEPA	Comisión Ejecutiva Portuaria Autónoma de El Salvador
CONAMYPE	Comisión Nacional de la Mediana y Pequeña Empresa
DAI	Development Alternatives Inc.
FIAES	Initiative for the Americas Fund/ El Salvador
FUNZEL	Fundación Zoológica de El Salvador
GIS	Geographic Information System
GOES	Government of El Salvador
IMCCW	Improved Management and Conservation of Critical Watersheds
LAC	Limits of Acceptable Change
MAG	Ministerio de Agricultura y Ganadería
MARN	Ministerio de Medio Ambiente y Recursos Naturales
MNP	Montecristo National Park
NGO	Non-Governmental Organization
PES	Payment for Environmental Services
ROVAP	Rango de Oportunidades para Visitantes en Áreas Protegidas
RSS	Research Stewardship Strategy
STTA	Short-term Technical Assistance
USAID	United States Agency for International Development

A. EXECUTIVE SUMMARY

The USAID Improved Management and Conservation of Critical Watersheds (IMCCW) project provides technical services to improve natural resource management in areas of high biodiversity priority in El Salvador while also promoting responsible economic growth within those areas as a means to sustain better management. IMCCW started in November 2006 and is scheduled to end September 30, 2010. IMCCW Component 1, Conservation of Biodiversity in Critical Watersheds, improves landscape-scale natural resource management by creating biological corridors linking isolated elements of El Salvador's protected areas system. IMCCW Component 2, Increased Income from Environmentally Sustainable Activities and Services, reinforced the sustainability of improved natural resource management by promoting compatible economic activities within these corridors. Component 2 ended on September 30, 2009.

In FY 2010, IMCCW implemented two additional Subcomponents of Component 1 that applied the IMCCW signature combination of improved landscape-scale natural resource management and compatible economic development northward to Montecristo National Park and its periphery (Subcomponent E) and southward to El Salvador's coastal ecosystems (Subcomponent F). Both extension areas adjoin and integrate ecologically with the original IMCCW landscape in western El Salvador.

This report describes FY 2010 Q4 progress achieving E and F deliverable and indicator goals and summarizes the status of these components at the end of FY 2010.

Component E: Sustainable Management of Montecristo National Park

Component E: SUSTAINABLE MANAGEMENT OF MONTECRISTO NATIONAL PARK							
DESCRIPTION	LOP	Percent achieved				LOP	
		Q1	Q2	Q3	Q4		
DELIVERABLES						(estimate)	
1. Park Business Plan	1 draft	60%	50%	70%	95%	100%	
2. Park Decentralization Plan	1 draft	15%	40%	56%	95%	100%	
3. Payment for Environmental Services Scheme	1 draft	12.5%	37.5%	62.5%	100%	100%	
4. Research Stewardship Strategy for 20 years	1 draft	72%	80%	100%	100%	100%	
5. Biodiversity research joint venture program with at least one academic institution from the U.S.	1 draft	60%	80%	100%	95%	100%	
6. Concessions Management Plan	1 draft	30%	55%	77%	95%	100%	
7. Standardized pay schedules for all park positions	1 schedule	21.5%	45%	54%	95%	100%	
8. Visitor use carrying capacity assessment	1 assessment	40%	55%	90%	95%	100%	
9. Top-of-the-line Park Website	1 website	50%	62.5%	100%	100%	100%	
10. Assessment / feasibility study to determine actions with current park residents	1 assessment/feasibility study	40%	65%	75%	95%	100%	
INDICATORS							
11. Number of hectares of biological significance under improved management.	1,450 ha.	34%	58%	91%	100%	100%	
12. Park administration and financial system strengthened through sustainable increase of park income and complement of investments for long-term results.	100% of process leading to strengthening MNP administration and financial systems	65%	89%	152%	170%	170%	
13. Visitation experience improved measured by increase in visitors and complement of investments.	100% of process leading to improved visitation experience	57%	94%	182%	196%	196%	
14. Working relationship between MNP and 2 communities improved.	100% of process leading to MOU	55%	60%	87%	100%	100%	
15. Number of key park personnel and local	75 MNP staff & Men	0	9	7	121	160	

inhabitants trained in natural resource management and biodiversity conservation	local residents	Women	0	17	22	153	169
		Total	0%	37%	78.6%	439%	439%
16. Number of local inhabitants and park personnel trained in solid waste management	30 park personnel	Men	0	0	0	32	32
		Women	0	0	3	11	11
		Total	0%	0%	10%	143%	143%
	60 local inhabitants	Men	0	0	37	93	93
		Women	0	0	20	48	48
		Total	0%	0%	95%	235%	235%
17. Number of local volunteer park guides trained on orienting and educating tourists on park resources, activities and opportunities.	18 local residents	Men	0	16	16	16	16
		Women	0	11	11	11	11
		Total	0%	150%	150%	150%	150%
18. Number of MNP brochures distributed	30,000 brochures		0%	76.6%	76.6%	110%	110%
Average			35%*	61%*	82%*	98%*	139%*

*Average calculated setting all percentages over 100% to 100%.

IMCCW achieved or, in some cases, exceeded 12 of 18 deliverables and indicators by their original September 30, 2010 completion schedule. Average deliverable and indicator achievement at the end of FY 2010 is 98%. Deliverables 1, 2, 6, 7, 8, & 10 are at 95% completion; IMCCW is still editing these documents, making sure that these documents are of high quality before delivering them to USAID and MARN in FY 2011 Q1. IMCCW considers that there is little risk that it will not achieve or exceed all its Subcomponent E deliverable and indicator LOP goals.

Notable Subcomponent E successes in FY 2010 Q4 include:

1. Conclusion of the extended process of improving relations between MARN/MNP and the Majaditas and San José Ingenio communities with an agreement of cooperation signed by MNP administration, MARN, and representatives of both communities.
2. Conclusion of all MNP planning processes including supporting studies, consultant reports, planning workshops, and community consultations. IMCCW is now editing final documents for delivery to USAID and MARN.
3. Completion of IMCCW's program of MNP infrastructure rehabilitation including finishing the renovation of the park's camping and picnic areas, finishing 3.2km of new hiking trails, and a new suspension bridge to start the Sendero Pionero from the Casco Viejo;
4. Completion of IMCCW's program of technical training for MNP and MARN personnel;
5. Completion of IMCCW's program of environmental education and awareness for residents of Majaditas and San José Ingenio;
6. Completed designs for MNP species guides (birds, orchids, wildflowers and fruits, mammals, and reptiles and amphibians), although these have since been modified again to conform to MARN's new graphic guidelines; and
7. Completed design for a MNP visitor guide;
8. Completed MNP Business Plan;
9. Completed MNP Decentralization Plan;
10. Completed MNP Authorization Plan;

IMCCW Subcomponent E accomplishments in FY 2010 include:

1. Updated MNP planning including new zoning plan, carrying capacity plan, MNP regulations, research development plan, administrative decentralization plan, business plan, concessions plan, signage plan, environmental education plan, and infrastructure development plans.
2. Improved current and potential MNP financial capacity through improved infrastructure, improved visitor facilities, greater publicity, a new MNP business plan, a new MNP concessions plan, a tourism value chain analysis, and a new research development plan;
3. Improved MNP and MARN staff technical capacity through technical training in biodiversity protection, protected areas management, natural resources planning, trail design and maintenance, landscape restoration, solid waste management, conflict resolution, and financial management;
4. Improved information available for MNP management through a series of completed studies: a) a socio-economic study of the Majaditas and San José Ingenio communities; b) a socio-economic

census of Majaditas and San José Ingenio households; c) a study of solid wastes in MNP; d) a KAP survey of Majaditas and San José Ingenio residents; e) a study of vegetation regeneration following cypress harvesting; f) a field study of the herpetological community in MNP cloud forest; g) an updated MNP GIS; h) an engineering analysis of the Carcava #1 retaining wall; i) a business feasibility analysis of a Casco Viejo concession; j) a tourism value chain analysis; and k) a cypress harvesting plan;

5. Improved visitor experience through rehabilitated picnic and camping areas, new and rehabilitated trails, new interpretive signs, new MNP visitor guide, new MNP species guides, MNP visitor itineraries, MNP publicity, improved MNP solid waste management;
6. Improved relations between residents of Majaditas and San José Ingenio, MNP administrative staff, and MARN personnel through a process of conflict resolution that IMCCW facilitated which led to a signed agreement of cooperation; and
7. Improved compatible economic opportunities for Majaditas and San José Ingenio residents through vocational training (landscape restoration, trail construction and maintenance, visitor guiding, bamboo artisanry, stone masonry, carpentry), the organization of guiding and bamboo artisanry micro-enterprises, and employment by IMCCW in MNP infrastructure improvements.

Component F: Species-based Conservation of Lower Watersheds

Component F: Species-based Conservation of Lower Watersheds							
DESCRIPTION	LOP	Percent achieved				LOP	
		Q1	Q2	Q3	Q4		
DELIVERABLES						estimate	
19. Business and institutional development plan	1 plan	64%	90%	100%	100%	>100%	
20. Clear legislation for sea turtle conservation	1 draft	25%	100%	100%	100%	>100%	
21. Management Plans for protected beaches	2 draft management plans	36%	57.5%	87.5%	87.5%	>100%	
22. Manual on hatchery operation	1 manual	70%	100%	100%	100%	100%	
23. Technical report on biological aspects of sea turtles and priority geographic areas for sea turtle conservation	1 technical report	30%	60%	64%	300%	300%	
24. Nationwide marine turtle stranding network protocol	1 plan	52%	52%	100%	100%	100%	
INDICATORS							
25. Number of kilometers of coastline under improved sea turtle management.	100 km	58%	124%	161%	161.5%	161.5%	
26. Capacity of institutions to manage nationwide sea turtle research and conservation program increased.	1 organizational structure with 1 strategic plan	44%	71%	87.5%	96.25%	100%	
27. Sea turtle egg consumption by San Salvador residents reduced.	25% reduction	355%	272%	272%	272%	>272%	
28. Protected beaches established through Executive Decree or equivalent	2 protected beaches	47%	75%	85%	200%	1,300%	
29. Number of sea turtle hatchlings released through public and private partnerships increased.	300% increase	102%	112.8%	112.8%	112.8% 17%	112.8% 149%	
30. A nationwide national marine turtle stranding network implemented.	1 network	12%	35%	70%	95%	100%	
31. Number of public outreach campaigns implemented.	1 campaign	100%	100%	200%	195%	300%	
32. Clear legislation or regulation that supports sea turtle breeding season bans on turtle egg consumption drafted	1 draft	25%	40%	70%	100%	700%	
33. Number of people trained from various institutions on sea turtle law enforcement and management.	150 people trained	Men	765	270%	465%	465%	607%
		Women	149				
		Total	914				
34. Public and private hatchery network established with at least 20 ongoing and newly established hatcheries.	1 private and public hatchery network	32%	67.5%	155%	170%	170%	

	Average	61%*	82%*	94%*	98%*	281%
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*Average calculated setting all percentages over 100% to 100%.

IMCCW achieved or, in some cases, exceeded 13 of 16 Subcomponent F deliverables and indicators by their original September 30, 2010 completion schedule. Average deliverable and indicator achievement at the end of FY 2010 is 98%. Deliverable 21 (two beach management plans) is 87.5% achieved because one management plan is the Los Cóbano Management Plan, which is still being reviewed by MARN, and because the IMCCW consultant contracted to prepare the other management plans delivered products of unacceptable quality and far behind schedule. IMCCW staff is now revising and editing the consultant's drafts for delivery to USAID and MARN in FY 2010 Q1. Indicator 26 (96.25%) will be completed with a second *Encuentro Nacional*, which IMCCW now schedules for January 2011. Indicator 30 (95%) will be completed when IMCCW receives, edits, and delivers to USAID and MARN a final report of the sea turtle stranding network implementation during the 2010 nesting season, which will end in late November. IMCCW considers that there is little risk that it will not achieve or exceed all its Subcomponent F deliverable and indicator LOP goals.

Notable Subcomponent F successes in FY 2010 Q4 include:

1. Management of 31 conservation sea turtle hatcheries in the 2010 nesting season that as of September 30, 2010 had received 1,003,487 sea turtle eggs, released 149,347 hatchlings, and paid \$235,145.25 to 3,243 individual *tortugueros* benefitting 16,215 family members;
2. Over 161km of sea turtle nesting beaches brought under improved management;
3. A highly visible publicity campaign in the San Salvador area supporting the ban on sea turtle commercialization that has measurably changed public attitudes towards sea turtle conservation;
4. Agreements signed with the Alcaldía of San Luís Talpa and with the Fuerza Naval that protect the beaches of Zunganera, Amatecampo, El Pimental, and Isla Martín Pérez;
5. A model municipal ordinance to protect sea turtles prepared and introduced for adoption by the Alcaldías of Jujutla, Acajutla, La Libertad, San Luís Talpa, San Francisco Menéndez, San Luis Herradura, and Jiquilisco.
6. PPP alliances that commit \$1,048,120 over five years to sea turtle conservation;
7. IMCCW consultant Mike Liles completed field work and delivered a final report to IMCCW for a study of adult sea turtle foraging areas/critical coastal water habitat in El Salvador;
8. IMCCW consultant Mike Liles completed field work and delivered a final report to IMCCW for a study of sources of adult sea turtle mortality in El Salvador;
9. IMCCW consultant Rodrigo Samayoa delivered a final report to IMCCW on beach conditions and community management recommendation on 34 sea turtle nesting beaches;
10. FIAES Board of Directors gave final approval for the functioning of a FIAES sea turtle conservation program bank account through which private sector funding can be channeled;
11. Continued progress in the institutional development of FUNZEL and its reinstatement as a registered not-for-profit NGO.

IMCCW Subcomponent F accomplishments in FY 2010 include:

1. IMCCW finished the institutional evaluation of FUNZEL, prepared a FUNZEL institutional development plan, revised FUNZEL by-laws, reviewed, updated and corrected FUNZEL financial records, prepared and submitted FUNZEL's application to be reinstated as a recognized non-profit organization, paid salaries for key FUNZEL administrative staff, and supported the field activities of the FUNZEL sea turtle conservation field team;
2. Organized an *Encuentro Nacional* in which 111 *tortugueros* representing 30 coastal communities presented the results of their conservation work in the 2009 nesting season, presented a petition to Vice-Minister of MARN Lina Pohl supporting the sea turtle commercialization ban, and organized themselves as a *Red de Tortugueros* to strengthen their role in sea turtle conservation and community management of marine resources;
3. Negotiated public private alliances that committed \$1,048,120 over five years to sea turtle conservation including \$135,750 in cash from the private sector in the 2010 nesting season;

4. Paid \$381,000 to 3,243 *tortugueros* for sea turtle egg collection services that has benefitted 16,215 people by way of family members;
5. Invested \$126,110 in USAID funds and local counterpart in-kind donations to develop economic alternatives micro-enterprises that have benefitted 866 *tortugueros* directly and 4,330 people by way of family members;
6. Developed the web site EcoExperiencias to promote tourism, including tourism that benefits coastal *tortuguero* communities;
7. Developed a proposal for a national-scale sea turtle conservation program within FIAES that has been approved by the FIAES Board of Directors;
8. Produced a video titled, “*Luchando por la Vida: una historia del mar*”, that promotes sea turtle conservation and which won the Spanish-language prize at the Blue Ocean Film Festival 2010 en Monterrey, California and which IMCCW has shown to many audiences in El Salvador;
9. Held meetings with the *tortuguero* communities with 1,034 participants (613 men, 421 women) focused on environmental education and a discussion of how *tortugueros* could adjust to the ban on sea turtle commercialization through economic alternatives and conservation;
10. Carried out a publicity campaign in the San Salvador urban area to increase public support and knowledge for the government ban on sea turtle commercialization;
11. Completed a legal analysis of existing sea turtle protection legislation;
12. Drafted a model municipal ordinance to protect sea turtles and presented this to coastal municipalities for local modification and adoption;
13. Negotiated and signed a formal agreement with the Alcaldía de San Luis Talpa to protect the sea turtle nesting beaches of Amatecampo, Zunganera, and El Pimental;
14. Negotiated and signed a formal agreement with the Fuerza Naval de El Salvador to protect the sea turtle nesting beaches of Isla Martín Pérez;
15. Prepared and included within the revised Los Cóbano Management Plan a section specifically to Project and manage the sea turtle nesting beaches within the Los Cóbano protected area;
16. Increased by 391% the number of sea turtle hatchlings released between 2008 and 2009 nesting seasons (from 182,785 in 2008 to 967,927 in 2010);
17. Released 149,347 hatchlings through September 30th and project to release 1,280,000 in total in 2010;
18. Documented a reduction by 68.4% in the consumption of sea turtle eggs in San Salvador (from 313,900 in 2008 to 419,700 in 2009);
19. Increased by 238% the number of sea turtle egg hatcheries operating along the coast of El Salvador;
20. Increased by 767% the kilometers of nesting beaches brought under improved management (from 13 in 2008 to 31 in 2010);
21. Prepared, printed and distributed 500 copies of the MARN Sea Turtle Hatchery Manual;
22. Prepared, printed and distributed a written sea turtle stranding protocol, trained local *tortugueros* in the protocol, and organized a national sea turtle stranding network;
23. Completed a quantitative baseline of sea turtle nesting beach habitat conditions that enables adaptive management and links to economic alternatives;
24. Constructed and operated 31 sea turtle hatcheries in the 2010 nesting season;
25. Trained and contracted 56 sea turtle hatchery managers for the 2010 season;
26. Prepared recommendations for local community actions to improve sea turtle nesting beach management;
27. Completed a pilot survey that confirmed that the Maculís reefs are an important conservation area for El Salvador’s marine resources;
28. Completed a field study of the sources of adult sea turtle mortality in the coastal waters of El Salvador;
29. Completed a field study of the critical areas for adult sea turtles in the coastal waters of El Salvador;

30. Completed a characterization of Salvadoran coastal communities that documents the socio-economic context of coastal marine resource management and conservation.

B. INTRODUCTION

This is the FY 2010 Quarter 4 and Annual Report of the USAID Improved Management and Conservation of Critical Watersheds Project (IMCCW). It describes IMCCW progress from October 1, 2009 through September 30, 2010 in accomplishing deliverables, indicators, activities, and products described in the IMCCW FY 2010 Workplan that USAID approved on December 18, 2009 (IMCCW 2009b).

This report will provide:

1. a listing of the key IMCCW accomplishments in FY 2010 Q4;
2. a listing of the key IMCCW accomplishments in FY 2010;
3. quantitative measures of the status of IMCCW deliverables and indicators at the end of FY 2010 Q4; and
4. a summary of IMCCW administration activities.

IMCCW provides an annual financial report for FY 2010 and Q4 under a separate cover.

C. IMPROVED MANAGEMENT OF MONTECRISTO NATIONAL PARK

INTRODUCTION

The objective of IMCCW's Improved Management of Montecristo National Park (MNP) component is to protect and sustain MNP's contributions to El Salvador's economy and human well being. MNP's poor ecological viability, its weak territorial integrity, its limited capacity to generate and administer funds, and its inadequate visitor infrastructure have, for many years, undermined these contributions. A particular challenge is the presence of Majaditas and San José Ingenio, two long-established communities with almost 600 residents in a park of only 1,973 hectares.



IMCCW focused on improving MNP in three strategic areas: 1) MNP administration and finances; 2) visitors' experience of MNP; and 3) relations between MNP and Majaditas and San José Ingenio.

Over the past year, IMCCW achieved substantial results in all three strategic areas. Some were actions IMCCW implemented: rehabilitation of MNP's sometimes dilapidated infrastructure; technical training of MNP staff; environmental education among MNP two communities; the creation of micro-enterprises to provide employment for Majaditas and San José Ingenio residents; and a tortuous process of conflict reduction and reconciliation between government authorities and MNP's two communities. Other actions were plans that map out a new direction for MNP, but which IMCCW lacked time or standing to implement fully: a business plan for MNP financial security and sufficiency; a concessions plan to allow private sector activities that could generate MNP revenue; architectural plans to comprehensively rehabilitate MNP's infrastructure; a decentralization plan to improve decision-making efficiency; updated MNP regulations, zoning, carrying capacity, and management guidelines informed by intensive participation with MNP stakeholders.

These results have greatly improved the state of MNP from a year ago both in fact and in prospect. IMCCW Montecristo component's formal measures show all project LOP goals are met, exceeded, or in the last stages of completion. But these measures do not fully capture the substance of what IMCCW has achieved in Montecristo. The activities IMCCW implemented and the plans it developed have positioned MNP for transformative change. MNP is still a small, ecologically fragile, economically isolated park, but

the socio-economic context is prepared, identified resources exist, and plans are in hand to convert MNP into the ecological and economic core of a large, human-inhabited, ecologically functioning landscape. In one year IMCCW could not accomplish this transformation, but it leaves MNP on the cusp of change. The political and policy decisions to realize this change are uncertain.

IMCCW achieved, or in some cases exceeded, 12 of 18 deliverables and indicators by their original September 30, 2010 completion schedule. Average deliverable and indicator achievement at the end of FY 2010 is 98%. Deliverables 1, 2, 6, 7, 8, & 10 are at 95% completion; IMCCW is still editing these documents, making sure that these documents are of high quality before delivering them to USAID and MARN in FY 2011 Q1. There is little risk that IMCCW will not achieve or exceed all its Subcomponent E deliverable and indicator LOP goals.

Notable Subcomponent E successes in FY 2010 Q4 include:

1. Conclusion of the extended process of improving relations between MARN/MNP and the Majaditas and San José Ingenio communities with an agreement of cooperation signed by MNP administration, MARN, and representatives of both communities.
2. Conclusion of all MNP planning processes including supporting studies, consultant reports, planning workshops, and community consultations. IMCCW is now editing final documents for delivery to USAID and MARN.
3. Completion of IMCCW's program of MNP infrastructure rehabilitation including finishing the renovation of the park's camping and picnic areas, finishing 3.2km of new hiking trails, and a new suspension bridge to start the *Sendero Pionero* from the Casco Viejo;
4. Completion of IMCCW's program of technical training for MNP and MARN personnel;
5. Completion of IMCCW's program of environmental education and awareness for residents of Majaditas and San José Ingenio;
6. Completed designs for MNP species guides (birds, orchids, wildflowers and fruits, mammals, and reptiles and amphibians), although these have since been modified again to conform to MARN's new graphic guidelines; and
7. Completed design for a MNP visitor guide;
8. Completed MNP Business Plan;
9. Completed MNP Decentralization Plan;
10. Completed MNP Authorization Plan;

INFRASTRUCTURE REHABILITATION

Summary of FY 2010 Q4 Infrastructure Rehabilitation accomplishments

- 1) IMCCW rehabilitated 1.5km of the *La Pacina* trail.
- 2) IMCCW rehabilitated 0.8km of hiking trail from Los Planes through the cloud forest to *Trifinio*.
- 3) IMCCW constructed a 34m suspension footbridge over the Río San José at the start of *Sendero Pionero*.
- 4) IMCCW constructed 2 visitor showers in MNP camping area #1 including a new septic system.
- 5) IMCCW constructed 2 bathrooms in MNP camping area #1 including a new septic system.
- 6) IMCCW constructed 37 picnic tables and benches in MNP areas #1 and #2.
- 7) IMCCW completed its support for the design of new interpretive signs for MNP.

Table 1. Summary of infrastructure rehabilitation progress

	Design completed	Construction drawings	Construction specifications	Architectural rendering	MARN design approval	Construction begun	Construction completed
Improvement of technicians house	X	X	X	NA	X	X	X

	Design completed	Construction drawings	Construction specifications	Architectural rendering	MARN design approval	Construction begun	Construction completed
Analyze the support wall in "Cárcava No. 1"	X	X	NA	NA	NA	NA	NA
Improve existing trails	X	NA	NA	NA	X	X	X
Build toilets for public use	X	X	X	X	X	X	X
Improve campsites	X	X	NA	X	X	X	X
Improve picnic areas	X	X	NA	X	X	X	X
Estación de monitoreo en Carcarva #1	X	X	X	X	X	X	X
Caseta de información cerca del Casco Colonial	X	X	NA	X	X	NA	NA
Caseta de información Jardín de los Cien Años	X	X	NA	X	X	NA	NA
Carpintería	X	X	NA	X	X	NA	NA
Cafetería cerca del Casco Colonial	X	X	NA	X	X	NA	NA
Tienda conveniencia y cafetería Los Planes	X	X	NA	X	X	NA	NA
Administration building	X	X	NA	X	X	NA	NA
Improve Park entrance	X	X	NA	X	X	NA	NA
Information booths	X	X	NA	X	X	NA	NA
Improve signs	X	NA	NA	NA	X	X	X
Install radio communication system	X	NA	NA	NA	X	X	X

Summary of FY 2010 Infrastructure Rehabilitation accomplishments

- 1) IMCCW and the IMCCW-trained trail construction group constructed 3.2km of new MNP hiking trails.
- 2) IMCCW and the MNP construction group constructed a 34m suspension footbridge over the Río San José at the start of the *Sendero Pionero*.
- 3) IMCCW rehabilitated MNP camping and picnic areas including 65 roofed, stone fire grills, 83 picnic tables, 29 camping platforms, 4 rebuilt camping platform roofs, and 2 shower and bathroom installations with septic systems.
- 4) IMCCW rehabilitated the MNP technician's house.
- 5) IMCCW prepared architectural designs, drawings, and renderings for: a) an information booth near the Casco Viejo, b) an information booth near the *Jardín de los Cien Años*, c) a maintenance building, a restaurant/café near the Casco Viejo, d) a visitor's convenience store in Los Planes, e) an administration building, and f) an improved park entrance.
- 6) IMCCW prepared architectural designs, drawings, renderings, and construction specifications for the rehabilitation of the MNP scientific research cabin.
- 7) IMCCW prepared an engineering analysis of the support wall in "Cárcava No. 1" and constructed a monitoring platform.
- 8) IMCCW purchased and installed a new MNP radio communication system.
- 9) IMCCW prepared a new MNP signage plan and installed recommended signs.

MNP PLANNING

Summary of FY 2010 Q4 MNP Planning accomplishments

- 1) IMCCW consultant Craig MacFarland delivered a final MNP ROVAP zoning and LAC carrying capacity report.
- 2) IMCCW edited the final MNP ROVAP zoning and LAC carrying capacity report and presented it to MARN and USAID.
- 3) IMCCW completed a final MNP community environmental education plan.
- 4) IMCCW completed a PES scheme that includes and would benefit MNP.

Summary of FY 2010 MNP Planning accomplishments

- 1) IMCCW led a consultative process based on ROVAP methodology that updated MNP zoning.
- 2) IMCCW led a consultative process based on LAC methodology that updated the MNP carrying capacity plan;
- 3) IMCCW led a consultative process that produced a draft update of MNP regulations, which IMCCW delivered to MARN for review and consideration;
- 4) IMCCW prepared a MNP Business Plan.
- 5) IMCCW prepared a MNP Authorization Plan.
- 6) IMCCW prepared a MNP Cypress Harvesting Plan.
- 7) IMCCW prepared a MNP Signage Plan.
- 8) IMCCW completed architectural plans for MNP infrastructure rehabilitation.
- 9) IMCCW completed designs and implementation of a MNP publicity website.
- 10) IMCCW completed a MNP Decentralization Plan.

MNP EDUCATION, COMMUNICATION, AND TECHNICAL TRAINING

Summary of FY 2010 Q4 Education, Communication, and Technical Training accomplishments

- 1) IMCCW finished the designs for the MNP species identification guide brochures and is waiting final written approval from Vice-minister Lina Pohl.
- 2) IMCCW finished the design for the MNP visitor's guide and printed 10,000 copies for MARN to distribute.
- 3) IMCCW sent two MARN technicians to the Protected Areas Management course at CSU, Ft. Collins, CO.
- 4) 152 MNP personnel and residents of Majaditas and San José Ingenio completed four days of training in natural resource management and biodiversity conservation.
- 5) 122 Majaditas and San José Ingenio schoolchildren completed 2 days of environmental awareness.
- 6) 20 MNP personnel (18 men, 2 women) received 3 days of training in solid waste management including a review of the results of the study of MNP solid waste production in MNP.
- 7) 30 MNP personnel received training in methods and standards of financial management.
- 8) 26 residents of Majaditas and San José Ingenio received training in conflict resolution
- 9) IMCCW completed a Majaditas and San José Ingenio knowledge, attitudes, and practices (KAP) survey.
- 10) IMCCW prepared an environmental education and awareness plan for Majaditas and San José Ingenio based on KAP survey.

Summary of FY 2010 Education, Communication, and Technical Training accomplishments

- 1) Socio-economic study of the Majaditas and San José Ingenio communities.
- 2) KAP study of the Majaditas and San José Ingenio communities.
- 3) An environmental education plan for Majaditas and San José Ingenio communities based on KAP study.
- 4) Technical training for MNP and MARN staff in biodiversity protection, protected areas management, natural resources planning, trail design and maintenance, landscape restoration, solid waste management, conflict resolution, and financial management.
- 5) Training for Majaditas and San José Ingenio residents in biodiversity conservation, protected areas, natural resources management, solid waste management, and conflict resolution.
- 6) Participation of 2 MNP biologists in the Protected Areas Management course at CSU, Ft. Collins, CO.
- 7) Environmental awareness for 122 Majaditas and San José Ingenio schoolchildren.

- 8) MNP publicity including visitor guide, newspaper inserts, species guides, web site, and visitor itineraries.
- 9) A process of conflict reduction and resolution facilitated between Majaditas and San José Ingenio residents, MNP staff, and MARN personnel to work through long-standing disagreements.
- 10) A signed agreement of cooperation between Majaditas and San José Ingenio residents, MNP, and MARN.

ECONOMIC ALTERNATIVES AND MITIGATION

Summary of FY 2010 Q4 Economic Alternatives and Mitigation accomplishments

- 1) IMCCW completed the tourism value chain analysis;
- 2) IMCCW edited the MNP cypress harvesting plan;
- 3) IMCCW formally transferred specialized tools to the bamboo artisan group;
- 4) IMCCW provided technical support to register the bamboo artisan group as a legal cooperative.
- 5) IMCCW continued training in bamboo artisanry;
- 6) Tourism guide group application to be recognized as a legal entity is submitted.
- 7) Tourism guide group equipment purchased and distributed.
- 8) Trail building group constructed 2.3km of hiking trails.
- 9) Trail building equipment distributed to trail building group.

Summary of FY 2010 Economic Alternatives and Mitigation accomplishments

- 1) Tourism value chain analysis that identifies the potential for increased MNP visitation completed;
- 2) MNP cypress harvesting plan that identifies the potential for increased local employment completed;
- 3) Bamboo artisanry group trained, equipped, and organized as a legal cooperative;
- 4) MNP guide group trained, equipped, and organized as a legal cooperative;
- 5) MNP trail construction group trained and equipped;
- 6) MNP trail construction group employed to construct 3.2 km of new trails in MNP;
- 7) \$20,000 in salaries paid to 50 Montecristo community residents through IMCCW activities in trail construction and infrastructure rehabilitation, and bamboo furnishings for the MNP technician's house;

FINANCIAL SUSTAINABILITY

Summary of FY 2010 Q4 Financial Sustainability accomplishments

- 1) IMCCW consultant Claudia Hasfura and IMCCW staff J. P. Dominguez delivered a MNP Business Plan.
- 2) IMCCW consultant Claudia Hasfura and IMCCW staff J. P. Dominguez delivered a MNP Authorization Plan.
- 3) IMCCW consultant Claudia Hasfura prepared detailed financial projections including estimated MNP income from an authorization for a restaurant and hostel using the Casco Colonial buildings.
- 4) IMCCW prepared a MNP Cypress Harvesting Plan, partially based on field work by IMCCW consultant Eric Stonaker, with the potential to generate \$400,000/year in revenue for 35 years.
- 5) IMCCW completed a PES scheme that would deliver financial resources to MNP, presented this scheme to major water resource users, and secured their agreement. MARN responded to IMCCW's invitation to join PES discussions by saying their ongoing internal reorganization made participation "premature".
- 6) IMCCW completed a process to strengthen MNP administrative and financial systems and generate long-term MNP revenue.
- 7) IMCCW completed a process to generate long-term MNP revenue through increased MNP visitation.

Summary of FY 2010 Financial Sustainability Accomplishments

- 1) A MNP Business Plan completed.
- 2) A MNP area watershed PES scheme prepared and accepted by major regional water users.
- 3) A MNP research stewardship strategy prepared by IMCCW and accepted by MARN, designed to increase research activity and generate long-term MNP revenue.
- 4) A biodiversity research joint venture with a US academic institution secured that may generate long-term MNP revenue.
- 5) A MNP Authorization Plan completed.
- 6) A MNP website to provide publicity and generate improved revenues through increased visitation designed. MARN did not allow implementation because it decided that the official government informational website was more appropriate.
- 7) IMCCW reviewed the MNP carrying capacity limits following LAC principals and recommended increased limits of visitation, which would generate greater MNP revenue.
- 8) IMCCW achieved 170% of the goals to strengthen MNP administrative and financial systems and generate long-term MNP revenue.
- 9) IMCCW achieved 196% of the goals to generate long-term MNP revenue through increased MNP visitation.
- 10) IMCCW prepared a MNP Cypress Harvesting Plan with the potential to generate \$400,000/year in revenue for 35 years.
- 11) IMCCW has prepared detailed financial projections including estimated MNP income from a restaurant and hostel concession using the Casco Viejo buildings.

D. SPECIES-BASED CONSERVATION ON LOWER WATERSHEDS

NARRATIVE

INTRODUCTION

Subcomponent F's general objective is to improve long-term management of El Salvador's coastal natural resources by strengthening existing elements of a national sea turtle conservation program.

IMCCW FY 2010 Workplan activities to achieve this general Subcomponent F objective group in four strategic areas:

1. achieve institutional development for sustainability;
2. reduce demand for egg consumption and educate the public;
3. enhance policy and regulations; and
4. improve hatchery management.



IMCCW achieved, or in some cases exceeded, 13 of 16 Subcomponent F deliverables and indicators by their original September 30, 2010 completion schedule. Average deliverable and indicator achievement at the end of FY 2010 is 98%. Deliverable 21 (two beach management plans) is 87.5% achieved because one management plan is the Los Cóbano Management Plan, which is still being reviewed by MARN, and because the IMCCW consultant contracted to prepare the other management plans delivered products of unacceptable quality and far behind schedule. IMCCW staff is now revising and editing the consultant's drafts for delivery to USAID and MARN in FY 2010 Q1. Indicator 26 (96.25%) will be completed with a second *Encuentro Nacional*, which IMCCW now schedules for January 2011. Indicator 30 (95%) will be completed when IMCCW receives, edits, and delivers to USAID and MARN a final report of the sea turtle stranding network implementation during the 2010 nesting season, which will end in late November. There is little risk that IMCCW will not achieve or exceed all its Subcomponent F deliverable and indicator LOP goals.

Particularly notable Subcomponent F successes in FY 2010 Q4 include:

1. Management of 31 conservation sea turtle hatcheries in the 2010 nesting season that as of September 30, 2010 had received 1,003,487 sea turtle eggs, released 149,347 hatchlings, and paid \$235,145.25 to 3,243 individual *tortugueros* benefitting 16,215 family members;
2. Over 161km of sea turtle nesting beaches brought under improved management;
3. A highly visible publicity campaign in the San Salvador area supporting the ban on sea turtle commercialization that has measurably changed public attitudes towards sea turtle conservation;
4. Agreements signed with the Alcaldía of San Luís Talpa and with the Fuerza Naval that protect the beaches of Zunganera, Amatecampo, El Pimental, and Isla Martín Pérez;
5. A model municipal ordinance to protect sea turtles prepared and introduced for adoption by the Alcaldías of Jujutla, Acajutla, La Libertad, San Luís Talpa, San Francisco Menéndez, San Luis Herradura, and Jiquilisco.
6. PPP alliances that commit \$1,048,120 over five years to sea turtle conservation;
7. IMCCW consultant Mike Liles completed field work and delivered a final report to IMCCW for a study of adult sea turtle foraging areas/critical coastal water habitat in El Salvador;
8. IMCCW consultant Mike Liles completed field work and delivered a final report to IMCCW for a study of sources of adult sea turtle mortality in El Salvador;
9. IMCCW consultant Rodrigo Samayoa delivered a final report to IMCCW on beach conditions and community management recommendation on 34 sea turtle nesting beaches;
10. FIAES Board of Directors gave final approval for the functioning of a FIAES sea turtle conservation program bank account through which private sector funding can be channeled;
11. Continued progress in the institutional development of FUNZEL and its reinstatement as a registered not-for-profit NGO.

SEA TURTLE CONSERVATION HATCHERIES

Summary of FY 2010 Q4 Sea Turtle Conservation Hatcheries Accomplishments

- 1) Operated 31 sea turtle conservation hatcheries.
- 2) Received 1,003,487 sea turtle eggs.
- 3) Released 149,347 hatchlings.

Summary of FY 2010 Sea Turtle Conservation Hatcheries Accomplishments

1. Paid \$381,000 to 3,243 *tortugueros* for sea turtle egg collection services that has benefitted 16,215 people by way of family members;
2. Increased by 391% the number of sea turtle hatchlings released between 2008 and 2009 nesting seasons (from 182,785 in 2008 to 967,927 in 2010);
3. Released 149,347 hatchlings through September 30th and project to release 1,280,000 in total in 2010;
4. Increased by 238% the number of sea turtle egg hatcheries operating along the coast of El Salvador;
5. Prepared, printed and distributed 500 copies of the MARN Sea Turtle Hatchery Manual;
6. Constructed and operated 31 sea turtle hatcheries in the 2010 nesting season;
7. Trained and contracted 56 sea turtle hatchery managers for the 2010 season;

EDUCATION, COMMUNICATION, AND TECHNICAL TRAINING

Summary of FY 2010 Q4 Education, Communication, and Technical Training Accomplishments

- 1) Sea turtle conservation publicity campaign that measurably changed public attitudes towards sea turtle conservation and the government ban on sea turtle commercialization.
- 2) IMCCW organized and facilitated 2 meetings each for each of the 4 regional *tortuguero* networks.
- 3) Focus was on defining for each beach and collectively the function, organization, and operations of the networks.
- 4) FUNZEL presented and trained participants in the sea turtle stranding protocol and organized the stranding network.
- 5) Preliminary results of the socio-economic study were presented and validated;

Summary of FY 2010 Education, Communication, and Technical Training Accomplishments

1. Organized an *Encuentro Nacional* in which 111 *tortugueros* representing 30 coastal communities presented the results of their conservation work in the 2009 nesting season, presented a petition to Vice-Minister of MARN Lina Pohl supporting the sea turtle commercialization ban, and organized themselves as a *Red de Tortugueros* to strengthen their role in sea turtle conservation and community management of marine resources;
2. Developed the web site EcoExperiencias to promote tourism, including tourism that benefits coastal *tortuguero* communities;
3. Produced a video titled, “*Luchando por la Vida: una historia del mar*”, that promotes sea turtle conservation and which won the Spanish-language prize at the Blue Ocean Film Festival 2010 en Monterrey, California and which IMCCW has shown to many audiences in El Salvador;
4. Held meetings with the *tortuguero* communities with 1,034 participants (613 men, 421 women) focused on environmental education and a discussion of how *tortugueros* could adjust to the ban on sea turtle commercialization through economic alternatives and conservation;
5. Carried out a publicity campaign in the San Salvador urban area to increase public support and knowledge for the government ban on sea turtle commercialization;

6. Negotiated and signed a formal agreement with the Alcaldía de San Luis Talpa to protect the sea turtle nesting beaches of Amatecampo, Zunganera, and El Pimental;
7. Prepared, printed and distributed 500 copies of the MARN Sea Turtle Hatchery Manual;
8. Prepared, printed and distributed a written sea turtle stranding protocol, trained local *tortugueros* in the protocol, and organized a national sea turtle stranding network;
9. Completed a quantitative baseline of sea turtle nesting beach habitat conditions that enables adaptive management and links to economic alternatives;
10. Trained and contracted 56 sea turtle hatchery managers for the 2010 season.

ECONOMIC ALTERNATIVES AND MITIGATION

Summary of FY 2010 Q4 Economic Alternatives and Mitigation Accomplishments

- 1) IMCCW continued to work with coastal communities with *tortuguero* residents to develop economic alternatives to the commercialization of sea turtle eggs: improved fishing, sustainable shellfish and crab harvesting, agriculture and horticulture activity, tourism microenterprises, a vocational training center in collaboration with the San Luís Talpa Municipality, as well as sea turtle conservation hatcheries;
- 2) IMCCW support is based on signed agreements with variously organized local groups with the understanding that it is contingent on these groups participating in protecting sea turtle nesting;
- 3) IMCCW has established a quantitative baseline of beach conditions to enable adaptive management and to measure community compliance with their commitment to improve beach management and protection.
- 4) IMCCW has proposed that its economic alternatives and mitigation activities continue as a component of a national sea turtle conservation program within FIAES.
- 5) IMCCW is working with agriculture economic alternatives only with the Bola de Monte *tortugueros* who all practice agriculture and for whom marine resources are not available.
- 6) Severe rain caused flooding that affected some of the agriculture activities in Bola de Monte.
- 7) These IMCCW economic alternative activities are based on an agreement with the Alcalde of San Luís Talpa Municipality as well as the three beach communities.
- 8) San Luís Talpa is investing \$3,000 in the vocational training center;

Summary of FY 2010 Economic Alternatives and Mitigation Accomplishments

1. Paid \$381,000 to 3,243 *tortugueros* for sea turtle egg collection services that has benefitted 16,215 people by way of family members;
2. Invested \$126,110 in USAID funds and local counterpart in-kind donations to develop economic alternatives micro-enterprises that have benefitted 866 *tortugueros* directly and 4,330 people by way of family members;
3. Developed the web site EcoExperiencias to promote tourism, including tourism that benefits coastal *tortuguero* communities, and completed a process that identified Salvadoran Tours as its permanent owner to sustain these benefits;
4. Held meetings with the *tortuguero* communities with 1,034 participants (613 men, 421 women) focused on environmental education and a discussion of how *tortugueros* could adjust to the ban on sea turtle commercialization through economic alternatives and conservation;
5. Negotiated and signed a formal agreement with the Alcaldía de San Luís Talpa to protect the sea turtle nesting beaches of Amatecampo, Zunganera, and El Pimental;
6. Completed a quantitative baseline of sea turtle nesting beach habitat conditions that enables adaptive management and links to economic alternatives;
7. Trained and contracted 56 sea turtle hatchery managers for the 2010 season.

Table 2. Summary of IMCCW investment in economic alternatives and mitigation activities in *tortuguero* communities.

- 3) IMCCW has quantitatively measured nesting beach habitat conditions that can be used to link economic support to coastal communities and resource users to improvement in beach habitat conditions;
- 4) Study of socio-economic condition of 22 coastal communities complete;
- 5) Study gathered and analyzed data on: demography, education, health, security, household services, migration, mortality, employment, agriculture, sea turtle egg collection, community problems, natural resources, and sea turtle conservation issues and solutions;
- 6) Data derived from 830 household interviews, and individual interviews with community leaders;
- 7) The study provides eight conclusions that characterize the socio-economic context that shape individual and collective decisions, especially with respect to the use and protection of natural resources;
- 8) The study provides nine recommendations derived from its conclusions on how to design conservation actions that will be more effective in improving the management and protection of sea turtles and other coastal natural resources;
- 9) IMCCW has established a baseline for sea turtle beach habitat conditions that can be a reference for adaptive management.

FINANCIAL SUSTAINABILITY

Summary of 2010 Q4 Financial Sustainability Accomplishments

- 1) PPP alliances signed or with a signature pending have reached a value of \$1,048,120 over five years to sea turtle conservation;
- 2) PPP alliances generated approximately \$85,000 in private-sector cash for sea turtle conservation in Q4;
- 3) These alliances benefited approximately 10,000 *tortugeros* and their families members;

Summary of 2010 Financial Sustainability Accomplishments

- 1) Negotiated public private alliances that committed \$1,048,120 over five years to sea turtle conservation including \$135,750 in cash from the private sector in the 2010 nesting season;
- 2) Paid \$381,000 to 3,243 *tortugeros* for sea turtle egg collection services that has benefitted 16,215 people by way of family members;
- 3) Invested \$126,110 in USAID funds and local counterpart in-kind donations to develop economic alternatives micro-enterprises that have benefitted 866 *tortugeros* directly and 4,330 people by way of family members;
- 4) Developed the web site EcoExperiencias to promote tourism, including tourism that benefits coastal *tortugero* communities;
- 5) Developed a proposal for a national-scale sea turtle conservation program within FIAES that has been approved by the FIAES Board of Directors;
- 6) Held meetings with the *tortugero* communities with 1,034 participants (613 men, 421 women) focused on environmental education and a discussion of how *tortugeros* could adjust to the ban on sea turtle commercialization through economic alternatives and conservation;

INSTITUTIONAL SUSTAINABILITY

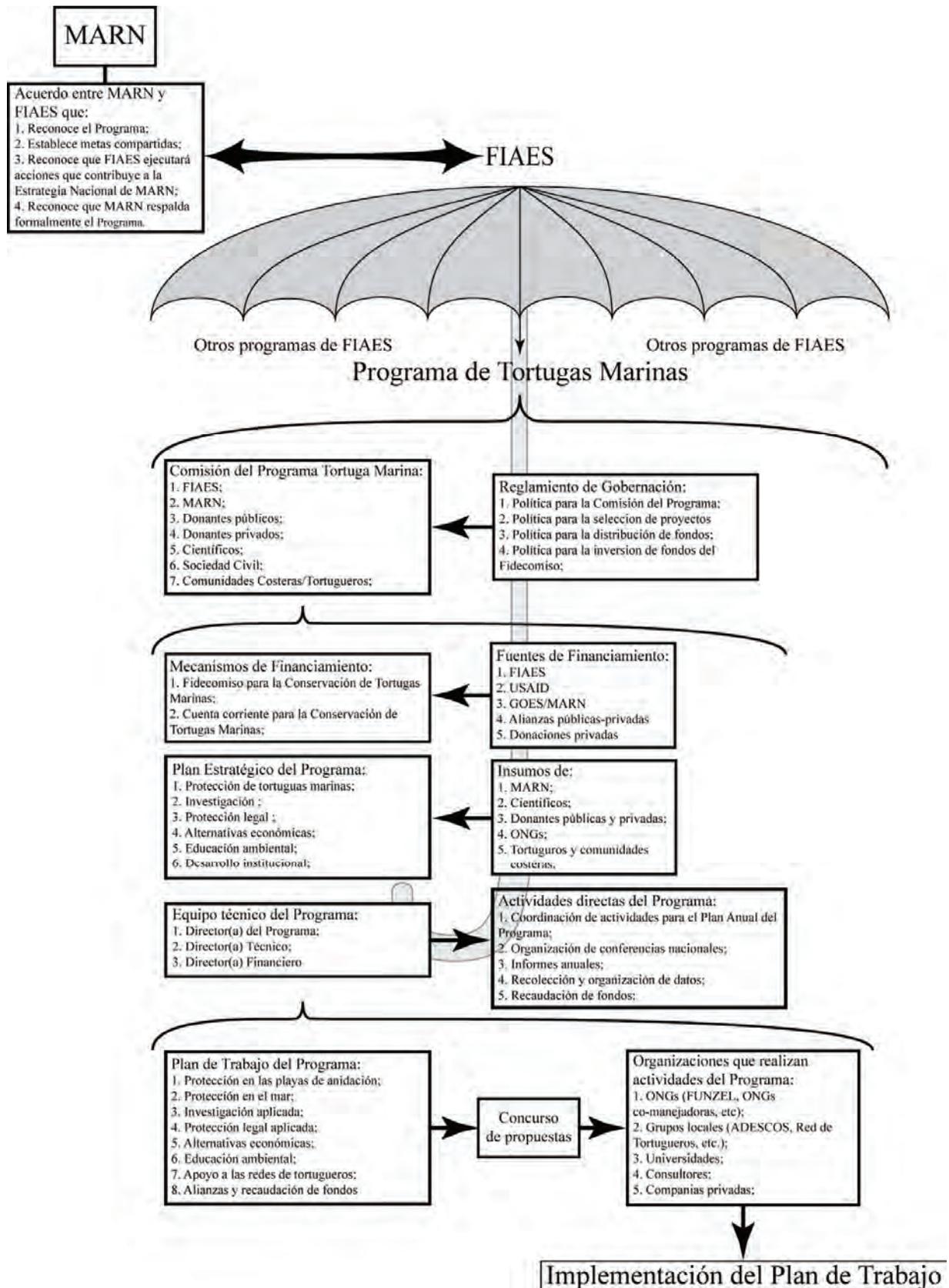
Summary of FY 2010 Q4 Institutional Sustainability Accomplishments

- 1) IMCCW concluded that FUNZEL did not have the institutional strength or stability to bear the burden of a national sea turtle conservation program without the risk of destroying FUNZEL;
- 2) IMCCW initiated discussions with FIAES to create a sea turtle program under its institutional structure that would inherit some IMCCW activities;
- 3) IMCCW drafted an institutional structure and funding mechanism for this FIAES sea turtle program;
- 4) IMCCW drafted a FIAES sea turtle program 5-year workplan based on MARN's sea turtle strategy and *Plan de Acción*;
- 5) IMCCW presented the institutional structure proposal and workplan to FIAES and MARN and they were accepted by both;
- 6) Under this structure FUNZEL would be an implementing organization receiving grants from FIAES to accomplish specific elements of the FIAES workplan;
- 7) Other organizations and individuals would receive similar grants to accomplish work appropriate to their skills and capacities;
- 8) In Q4, IMCCW will work with FIAES to detail this institutional structure, implement it through the needed and appropriate documents, and plan a transition of IMCCW activities to a FIAES sea turtle program.

Summary of FY 2010 Institutional Sustainability Accomplishments

1. IMCCW finished the institutional evaluation of FUNZEL, prepared a FUNZEL institutional development plan, revised FUNZEL by-laws, reviewed, updated and corrected FUNZEL financial records, prepared and submitted FUNZEL's application to be reinstated as a recognized non-profit organization, paid salaries for key FUNZEL administrative staff, and supported the field activities of the FUNZEL sea turtle conservation field team;
2. Organized an *Encuentro Nacional* in which 111 *tortugeros* representing 30 coastal communities presented the results of their conservation work in the 2009 nesting season, presented a petition to Vice-Minister of MARN Lina Pohl supporting the sea turtle commercialization ban, and organized themselves as a *Red de Tortugeros* to strengthen their role in sea turtle conservation and community management of marine resources;
3. Developed a proposal for a national-scale sea turtle conservation program within FIAES that has been approved by the FIAES Board of Directors (Figure 1);
4. Drafted a FIAES sea turtle program 5-year workplan based on MARN's National Strategy and *Plan de Acción*;
5. Completed a legal analysis of existing sea turtle protection legislation, drafted a model municipal ordinance to protect sea turtles, and presented this to coastal municipalities for local modification and adoption;
6. Negotiated and signed a formal agreement with the Alcaldía de San Luis Talpa to protect the sea turtle nesting beaches of Amatecampo, Zunganera, and El Pimental;
7. Negotiated and signed a formal agreement with the Fuerza Naval de El Salvador to protect the sea turtle nesting beaches of Isla Martín Pérez;
8. Prepared and included within the revised Los Cóbanos Management Plan a section specifically to Project and manage the sea turtle nesting beaches within the Los Cóbanos protected area;
9. Prepared recommendations for local community actions to improve sea turtle nesting beach management.

Figure 1. Institutional structure proposed for a National Sea Turtle Conservation Program under FIAES.



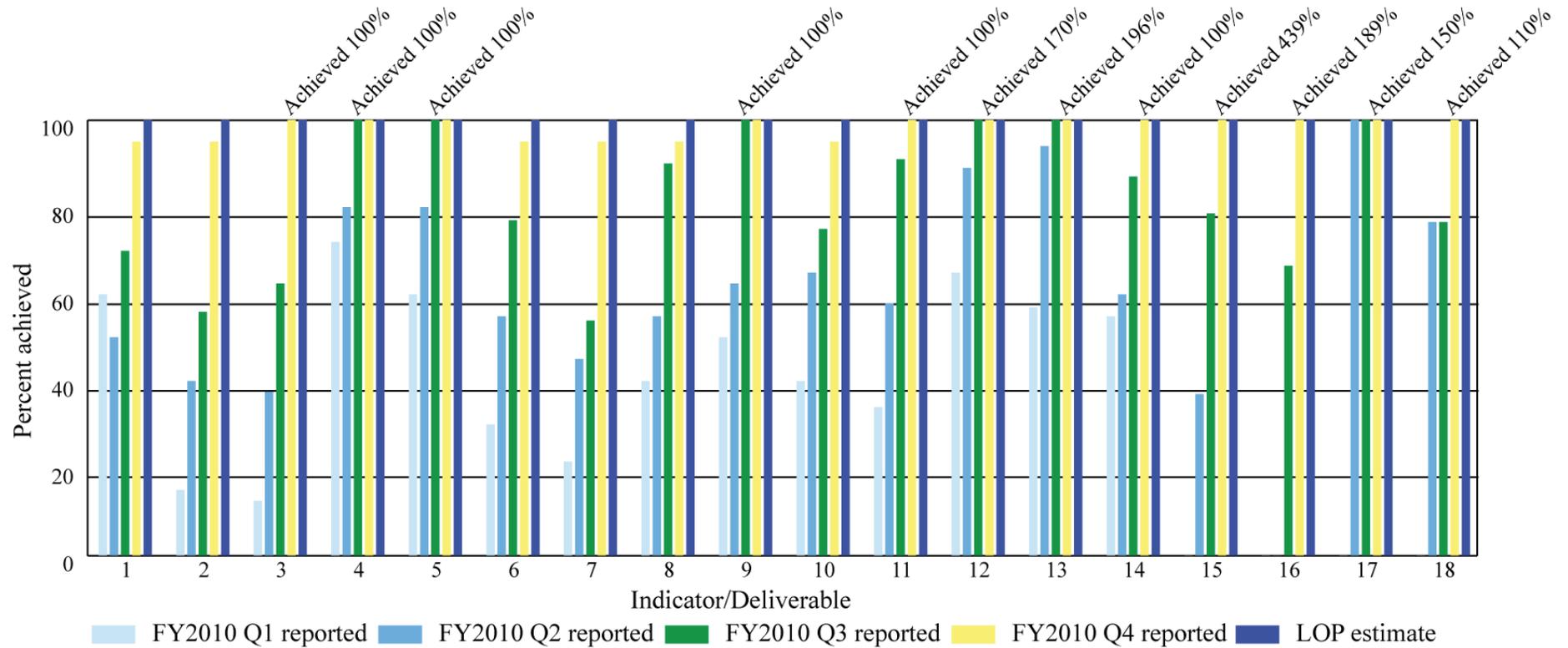
E. DELIVERABLE AND INDICATOR DATA: IMPROVED MANAGEMENT OF MONTECRISTO NATIONAL PARK

Table 7. Subcomponent E deliverable and indicator status

Component E: SUSTAINABLE MANAGEMENT OF MONTECRISTO NATIONAL PARK							
DESCRIPTION	LOP	Percent achieved				LOP	
		Q1	Q2	Q3	Q4		
DELIVERABLES							
1. Park Business Plan	1 draft	60%	50%	70%	95%	100%	
2. Park Decentralization Plan	1 draft	15%	40%	56%	95%	100%	
3. Payment for Environmental Services Scheme	1 draft	12.5%	37.5%	62.5%	100%	100%	
4. Research Stewardship Strategy for 20 years	1 draft	72%	80%	100%	100%	100%	
5. Biodiversity research joint venture program with at least one academic institution from the U.S.	1 draft	60%	80%	100%	95%	100%	
6. Concessions Management Plan	1 draft	30%	55%	77%	95%	100%	
7. Standardized pay schedules for all park positions	1 schedule	21.5%	45%	54%	95%	100%	
8. Visitor use carrying capacity assessment	1 assessment	40%	55%	90%	95%	100%	
9. Top-of-the-line Park Website	1 website	50%	62.5%	100%	100%	100%	
10. Assessment / feasibility study to determine actions with current park residents	1 assessment/feasibility study	40%	65%	75%	95%	100%	
INDICATORS							
11. Number of hectares of biological significance under improved management.	1,450 ha.	34%	58%	91%	100%	100%	
12. Park administration and financial system strengthened through sustainable increase of park income and complement of investments for long-term results.	100% of process leading to strengthening MNP administration and financial systems	65%	89%	152%	170%	170%	
13. Visitation experience improved measured by increase in visitors and complement of investments.	100% of process leading to improved visitation experience	57%	94%	182%	196%	196%	
14. Working relationship between MNP and 2 communities improved.	100% of process leading to MOU	55%	60%	87%	100%	100%	
15. Number of key park personnel and local inhabitants trained in natural resource management and biodiversity conservation	75 MNP staff & local residents	Men	0	9	7	121	160
		Women	0	17	22	153	169
		Total	0%	37%	78.6%	439%	439%
16. Number of local inhabitants and park personnel trained in solid waste management	30 park personnel	Men	0	0	0	32	32
		Women	0	0	3	11	11
		Total	0%	0%	10%	143%	143%
	60 local inhabitants	Men	0	0	37	93	93
		Women	0	0	20	48	48
		Total	0%	0%	95%	235%	235%
17. Number of local volunteer park guides trained on orienting and educating tourists on park resources, activities and opportunities.	18 local residents	Men	0	16	16	16	16
		Women	0	11	11	11	11
		Total	0%	150%	150%	150%	150%
18. Number of MNP brochures distributed	30,000 brochures	0%	76.6%	76.6%	110%	110%	
Average		35%*	61%*	82%*	98%*	139%	

*Average calculated setting all percentages over 100% to 100%.

Figure 2. Deliverable and indicator achievement status of Subcomponent E: Improved Management of Montecristo National Park



F. DELIVERABLE AND INDICATOR COMMENTS, CALCULATIONS, AND TIMELINE: IMPROVED MANAGEMENT OF MONTECRISTO NATIONAL PARK

Deliverable 1: Draft of a Park Business Plan

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 60%

FY 2010 Q2 status: 50%

FY 2010 Q3 status: 70%

FY 2010 Q4 status: 95%

Estimated final LOP status: 100%

- 1 completed and delivered business plan for Montecristo National Park

LOP technical documentation:

- TOR for business plan consultant;
- consultancy contract;
- current draft of business plan;
- documentation of business plan implementation;
- USAID receipt of final business plan;
- MARN receipt of final business plan;

Deliverable 1 comments:

- 1) IMCCW considers that this deliverable is achieved pending delivery of the final plan to USAID and MARN.

Deliverable 1 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	10%	100%	10%
2	Budget established	10%	100%	10%
3	Consultant identified	10%	100%	10%
4	Consultant contracted	10%	100%	10%
5	Analysis 50% complete	10%	100%	10%
6	First draft prepared	10%	100%	10%
7	Final draft	20%	100%	20%
8	Draft presented to USAID and MARN	5%	0%	0%
9	Implementation of business plan begun	20%	100%	20%
Current status				95%

Deliverable 1 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
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10												

Deliverable 2: Draft of a Park Decentralization Plan

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 15%

FY 2010 Q2 status: 40%

FY 2010 Q3 status: 56%

FY 2010 Q4 status: 90%

Estimated final LOP status: 100%

- 1 completed decentralization plan for Montecristo National Park

LOP technical documentation:

- decentralization workplan;
- decentralization workplan;
- current draft of decentralization plan;
- USAID receipt of final decentralization plan;
- MARN receipt of final decentralization plan;

Deliverable 2 comments:

- 1) IMCCW considers that this deliverable is achieved pending delivery of the final plan to USAID and MARN.

Deliverable 2 achievement			
Action	Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	IMCCW staff team identified	10%	100%
2	Work plan prepared	10%	100%
3	Existing institutional arrangements, regulations and responsibilities analyzed	10%	100%
4	Draft decentralization plan prepared	65%	100%
5	Draft presented to USAID and MARN	5%	0%
Current status			95%

Deliverable 2 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												

Deliverable 3: Draft of a Payment for Environmental Services Scheme provided by the San José River to the municipality of Metapán

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 12.5%

FY 2010 Q2 status: 37.5%

FY 2010 Q3 status: 62.5%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 completed hydrological study of Montecristo and surrounding area watersheds
- 1 draft PES scheme for Montecristo National Park and its surrounding watersheds completed and presented to major water use stakeholders
- PES scheme implementation begun by major water use stakeholders

LOP technical documentation:

- final hydrological study;
- documentation of presentation of hydrological study to implementing stakeholders;
- signed contract to develop a PES scheme;
- current draft of PES scheme;
- documented presentation of PES scheme to stakeholders;
- documented presentation of final PES scheme to implementing stakeholders;
- documentation of PES scheme acceptance by implementing stakeholders;
- documentation PES scheme implementation

Deliverable 3 comments:

- 1) IMCCW considers that this deliverable is achieved.
- 2) IMCCW completed a hydrological study that quantifies the volume and market value of water production from MNP and surrounding watersheds.
- 3) IMCCW developed a PES scheme and presented it to ANDA, Holsim, CEL, and FUSADES.
- 4) These major water use stakeholders were willing to sign a cooperation agreement based on the PES scheme but required MARN to formally join the agreement.
- 5) Because of an internal reorganization and a review of policies MARN felt that its participation and commitment to a PES scheme was premature.
- 6) Many Montecristo area water use stakeholders are already implementing many of the watershed protection activities of the IMCCW PES scheme.

Deliverable 3 achievement			
Action	Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved

Deliverable 3 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Hydrological study completed	12.5	100%	12.5%
2	Hydrological study presented to stakeholders	12.5	100%	12.5%
3	Consulting contract prepared and signed to develop PES	12.5	100%	12.5%
4	First draft PES scheme developed	12.5	100%	12.5%
5	PES scheme presented to stakeholders	12.5	100%	12.5%
6	Comments incorporated in revised PES scheme	12.5	100%	12.5%
7	Final PES scheme presented to implementing stakeholders	12.5	100%	12.5%
8	Final PES scheme acceptance by implementing stakeholders	12.5	100%	12.5%
Current status				100%

Deliverable 3 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
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6												
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8												

Deliverable 4: Draft of a Research Stewardship Strategy for 20 years

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 72%

FY 2010 Q2 status: 80%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 completed draft of a Research Stewardship Strategy for 20 years reviewed and accepted by MARN

LOP technical documentation:

- RSS TOR;
- Signed contract to develop a RSS with SalvaNatura;
- Current draft of RSS;
- Documented MARN receipt of final RSS;
- Documented USAID receipt of final RSS

Deliverable 4 comments:

- 1) IMCCW considers that this deliverable is achieved;

Deliverable 4 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference agreed upon	10%	100%	10%
2	STTA identified	10%	100%	10%
3	Consultant Contracted	10%	100%	10%

4	Analysis of existing research stewardships begun	10%	100%	10%
5	Analysis of existing research stewardships completed	10%	100%	10%
6	Draft complete	10%	100%	10%
7	Results presented USAID and MARN	10%	100%	10%
8	Comments incorporated	10%	100%	10%
9	Report presented to MARN	10%	100%	10%
10	Report presented to USAID	10%	100%	10%
Current status			100%	

Deliverable 4 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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Deliverable 5: Draft of biodiversity research joint venture program with at least one academic institution from the United States of America

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 60%

FY 2010 Q2 status: 80%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 completed research MOU MARN and the College of Charleston reviewed, accepted, and signed by MARN Minister Hernán Rosa

LOP technical documentation:

- Research MOU TOR;
- Signed contract to develop a research MOU with SalvaNatura;
- Current draft of research MOU;
- MOU signed by US research institution;
- MOU signed by MARN;
- Documentation of MOU implementation;
- Documented USAID receipt of final report on a MNP research MOU;

Deliverable 5 comments:

- 1) IMCCW considers that this deliverable is achieved;
- 2) The research MOU is between MARN and the College of Charleston;

Deliverable 5 achievement			
Action	Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference agreed upon	10%	100%

2	STTA identified	10%	100%	10%
3	Consultant contracted	10%	100%	10%
4	Analysis of existing joint ventures begun	10%	100%	10%
5	Analysis of existing joint ventures completed	10%	100%	10%
6	MOU draft complete	10%	100%	10%
7	Research MOU draft presented to MARN	10%	100%	10%
8	Research MOU draft presented to US institutions	10%	100%	10%
9	MOU signed by research institution and MARN	10%	100%	10%
10	Report received by USAID	10%	100%	10%
			Current status	100%

Deliverable 5 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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Deliverable 6: Draft of a Concessions Management Plan based on Concessions Management Training/Workshop held at park to help the park with its own financial sustainability

Baseline: 0

LOP Target: 1 draft plan

FY 2010 Q1 status: 30%

FY 2010 Q2 status: 55%

FY 2010 Q3 status: 77%

FY 2010 Q4 status: 95%

Estimated final LOP status: 100%

- 1 completed Concessions Management Plan for Montecristo National Park

LOP technical documentation:

- Concessions best practices study;
- Concessions development workplan;
- Signed consultant contract to prepare a Concessions Management Plan for MNP;
- Current draft of Concessions Management Plan for MNP;
- Documented MARN receipt of Concessions Management Plan for MNP;
- Documented USAID receipt of Concessions Management Plan for MNP;

Deliverable 6 comments:

- 1) IMCCW considers that this deliverable is achieved pending delivery of the final plan to USAID and MARN.
- 2) IMCCW consultant Claudia Hasfura prepared a Concessions Management Plan for MNP including a detailed analysis of the viability of a restaurant or hotel that uses the Casco Viejo, pays fees to MNP, and employs local staff.

Deliverable 6 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Concessions best practices study completed	10%	100%	10%
2	Develop a concessions development workplan	5%	100%	5%
3	Identify and contract a business planner to work on concessions business plan	10%	100%	10%
4	Identify and contract a legal advisor to work on concessions legal plan	10%	100%	10%
5	Develop first draft concessions business plan	30%	100%	30%
6	MNP concessions business proposal completed	30%	100%	30%
7	MNP concessions legal and business plans presented to USAID and MARN	5%	0%	0%
Current status				95%

Deliverable 6 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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Deliverable 7: Standardized pay schedules for all park positions

Baseline: 0

LOP Target: 1 schedule

FY 2010 Q1 status: 21.5%

FY 2010 Q2 status: 45%

FY 2010 Q3 status: 54%

FY 2010 Q4 status: 95%

Estimated final LOP status: 100%

- 1 completed standardized pay schedule for all park positions in Montecristo National Park

LOP technical documentation:

- Written analysis of current structure;
- Current draft of pay schedule proposal;
- Documented MARN receipt of final pay schedule proposal;
- Documented USAID receipt of final pay schedule proposal;

Deliverable 7 comments:

- 1) IMCCW considers that this deliverable is achieved pending final edits and receipt by USAID and MARN.

Deliverable 7 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Analysis of current structure completed	10%	100%	10%

2	Develop minimum and ideal functional structures	10%	100%	10%
3	Draft schedule completed	75%	100%	75%
4	Final pay schedule presented to USAID and MARN	5%	0%	0%
Current status			95%	

Deliverable 7 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
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6												

Deliverable 8: Draft of a Visitor Use Carrying Capacity assessment

Baseline: 0

LOP Target: 1 LAC assessment

FY 2010 Q1 status: 40%

FY 2010 Q2 status: 55%

FY 2010 Q3 status: 90%

FY 2010 Q4 status: 95%

Estimated final LOP status: 100%

- 1 completed visitor use carrying capacity assessment for Montecristo National Park based on Limits of Acceptable Change (LAC) methodology

LOP technical documentation:

- STTA SOW;
- Current draft of LAC assessment;
- Documentation of validation with MNP staff and local stakeholders;
- Documentation of validation with MARN;
- Documented MARN receipt of final LAC proposal;
- Documented USAID receipt of final LAC proposal;

Deliverable 8 comments:

- 1) IMCCW considers that this deliverable is achieved pending receipt by USAID.

Deliverable 8 achievement				
Action	Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved	
1	Selection of STTA to execute assessment	10%	100%	10%
2	Analysis of current capacity proposed by existing mgmt. plan	10%	100%	10%
3	Develop first draft new carrying capacity proposal	10%	100%	10%
4	Develop indicators and standards for monitoring	10%	100%	10%
5	Validation of LAC proposal draft among MNP staff and local stakeholders	10%	100%	10%
6	Validation of LAC proposal draft with MARN	10%	100%	10%
7	LAC proposal draft presented to MARN	10%	100%	10%
8	MARN comments incorporated in final LAC proposal	10%	100%	10%
9	Final LAC proposal document presented to MARN	10%	100%	10%
10	Final LAC proposal document presented to USAID	10%	50%	5%
Current status			95%	

Deliverable 8 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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10												

Deliverable 9: A top-of-the-line Park Website to promote, inform, educate, and prepare visitors designed and developed.

Baseline: 0

LOP Target: 1 MNP website

FY 2010 Q1 status: 50%

FY 2010 Q2 status: 62.5%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 Montecristo National Park Website designed and developed to promote, inform, educate, and prepare visitors.

LOP technical documentation:

- MNP website design TOR;
- Website designer contract;
- Documentation of current website design;
- Documentation of presentation of website to MARN;
- Documentation of website functionality and links to EcoExperiencias marketing website;

Deliverable 9 comments:

- 1) IMCCW considers this deliverable achieved;
- 2) The website design was developed with the participation of MARN's communications director and reflects her comments and those of other MARN staff;
- 3) MARN Vice-minister Lina Pohl did not approve implementation of the website because its design did not conform to standard GOES information websites;

Deliverable 9 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	12.5%	100%	12.5%
2	STTA identified	12.5%	100%	12.5%
3	Website development workplan prepared	12.5%	100%	12.5%
4	Website designer contract signed	12.5%	100%	12.5%
5	Website design	12.5%	100%	12.5%
6	Draft website design presented to USAID and MARN	12.5%	100%	12.5%
7	USAID and MARN comments incorporated into website update	12.5%	100%	12.5%
8	Final website design presented to MARN and USAID	12.5%	100%	12.5%
Current status				100%

Deliverable 9 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
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8												

Deliverable 10: Draft of an assessment/feasibility study to determine what actions should be taken to either manage the two communities, San José Ingenio/Majaditas, within the park in a sustainable manner or take steps to relocate these populations out of the park.

Baseline: 0

LOP Target: 1 assessment/feasibility study

FY 2010 Q1 status: 40%

FY 2010 Q2 status: 65%

FY 2010 Q3 status: 75%

FY 2010 Q4 status: 90%

Estimated final LOP status: 100%

- 1 assessment/feasibility study with recommendations for managing relations between MARN/MNP administration and the two communities within MNP.
- A process of negotiation with the communities within MNP brought to a resolution that has improved relations between these communities and MARN/MNP administration.
- A signed agreement of mutual cooperation signed between the communities of Majaditas and San José Ingenio, the MNP administration, and MARN.

LOP technical documentation:

- Final Phase I report;
- Documentation of Phase I report presentation to MARN;
- Documentation of Phase I report presentation to MARN;
- Documentation of Phase II fieldwork;
- Final assessment report;
- Documentation of assessment report presentation to MARN;
- Documentation of assessment report presentation to USAID;

Deliverable 10 comments:

- 1) IMCCW considers that this deliverable is achieved pending edits of final report and receipt by USAID and MARN.

Deliverable 10 achievement				
	Action	Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Phase I field work begun	10%	100%	10%
2	Phase I field work completed	10%	100%	10%
3	Phase I report presented to MARN	10%	100%	10%
4	Phase I report presented to USAID	10%	100%	10%
5	Phase II field work begun	10%	100%	10%
6	Phase II field work completed	10%	100%	10%

7	Draft assessment report prepared and circulated for comments	10%	100%	10%
8	Final assessment report prepared	20%	100%	20%
9	Assessment report presented to MARN and USAID	5%	0%	0%
10	Assessment report recommendations presented to communities	10%	100%	10%
Current status			95%	

Deliverable 10 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
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9												
10												

Indicator 11. Number of hectares of biological significance under improved management.

LOP target: 1,450 hectares

Baseline: 0

LOP Target: 1,450 hectares

FY 2010 Q1 status: 34%; 572 ha

FY 2010 Q2 status: 58%; 842 ha

FY 2010 Q3 status: 91%; 1,316 ha

FY 2010 Q4 status: 100%; 1450 ha

Estimated final LOP status: 100%

- 1,450 hectares of biological significance under improved management.

LOP technical documentation:

- BSA zones mapped into GIS;
- Final BSA zonation;
- Final BSA carrying capacity;
- Documentation of trails through BSA;
- Documentation of guide training in BSA natural history and ecological significance;
- Final MNP park regulation recommendations;
- Documentation of landscape restoration training;
- Documentation of MNP resident training in BSA natural history and ecological significance;
- Documentation of MNP staff training in BSA natural history and ecological significance;

Deliverable 11 comments:

- 1) IMCCW considers this deliverable achieved;

Deliverable 11 achievement					
Action	Percentage value of action towards achieving indicator	BSA affected by action (ha)	Percentage of action achieved	Percentage of indicator achieved	
1	Map BSA zones into a GIS	10%	1450	100%	145
2	Propose park BSA zoning	10%	1450	100%	145
3	Propose appropriate carrying capacity for all BSA	10%	1450	100%	145
4	Propose park regulations covering BSA	10%	1450	100%	145
5	Develop 3km of trails through BSA	10%	1450	100%	145

- Documentation of any authorization fees to date;
- Documentation of any PES payments to date;
- Documentation of goods and services payments to date;
- Documentation of other income to date;
- Final signage plan and documentation of implementation;
- Final MNP website design;
- Final brochure designs and documentation of distribution;
- Documentation of guides training;
- Final MNP carrying capacity proposal;
- Final MNP re-zoning plan and map;
- Documentation of infrastructure rehabilitation;
- Final authorization business plan;
- Final authorization legal plan;
- Signed MOU with research institution;
- Final plan for future MNP improvements;

Deliverable 13 comments:

- 1) IMCCW considers this deliverable achieved;

Indicator 13 achievement								
PART A: Sustainable increase in visitors to MNP (= 50% of indicator target)								
		Total number of visitors FY 2010 Q1	Total number of visitors FY 2010 Q2	Total number of visitors FY 2010 Q3	Total number of visitors FY 2010 Q4	Total number of visitors FY 2010	Percentage of Part A target achieved	Part A percentage contribution to indicator achieved
1	Number of visitors to MNP	4332	5000	3318	1,009	13,659	130%	65%
Part A Total		4,332	4,332	3,318	1,009	13,659	130%	65%

Indicator 13 achievement						
PART B: Actions to achieve long-term results (= 50% of indicator target = 10,500)						
	Action	Value of action towards achieving Part B	Percentage of action achieved	Percentage contribution of action to indicator	Estimate of action's contribution to future visitation	Part B achieved (future visitation)
1	Signage plan completed	10%	100%	10%	1,500	1,500
2	MNP website designed	10%	100%	10%	6,000	6,000
3	Percentage of 30,000 brochures distributed	10%	77%	7.7%	1,000	770
4	Guides trained	10%	100%	10%	2,000	2,000
5	Carrying capacity reviewed and adjusted	10%	100%	10%	3,000	3,000
6	Park zoning reviewed and adjusted	10%	100%	10%	1,000	1,000
7	Visitor facilities enhanced (trails, camping and picnic sites)	10%	100%	10%	6,000	6,000
8	Concession plan completed	10%	100%	10%	5,000	5,000
9	Research agreement(s) signed with US academic institution(s)	10%	100%	10%	200	200
10	Plans for future improvements developed	10%	100%	10%	2,000	2,000
Part B Total		100%	98%	98%	27,700	27,470
Percent of Part B target (10,500) achieved						261.6%
Sum of visitors (Part A recorded) and visitor-equivalents (Part B estimated)						41,129
Achievement status						195.9%

Indicator 13 part B timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Indicator 14: Working relationship between MNP and two communities improved

Baseline: Zero

LOP target: 1 MOU signed between San José Ingenio, Majaditas and MARN

FY 2010 Q1 status: 55%

FY 2010 Q2 status: 60%

FY 2010 Q3 status: 87%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- Working relationship between MNP and two communities improved through a process of negotiation and conflict resolution facilitated by IMCCW
- 1 MOU signed between San José Ingenio, Majaditas and MARN that recognizes a common interest in finding a resolution of conflicts through continued negotiation and communication

LOP technical documentation:

- Phase 1 MNP community study report
- Written list of rights and responsibilities and pilot mitigation activities agreed upon between MARN and MNP communities
- Conflict resolution action plan
- Contract with a consultant to lead conflict resolution process
- Documentation of mitigation measures with MNP communities
- Documentation of environmental education with MNP communities
- Written report on household survey of MNP communities
- Documentation of conflict resolution workshops with MARN and MNP communities
- MOU signed by MARN and MNP communities

Indicator 14 comments:

- 1) IMCCW considers this deliverable achieved.
- 2) IMCCW facilitated a lengthy conflict resolution process working with residents of the MNP communities and MARN in frequent meetings.
- 3) As part of this process, IMCCW collected socio-economic statistics through a full census of the two MNP communities.
- 4) IMCCW worked closely with MARN to develop updated and appropriate park regulations, but MARN's internal approval process of these regulations is still ongoing, so IMCCW was not able to present these regulations as part of the negotiation with the communities.
- 5) IMCCW facilitated an agreement signed by MNP administration, MARN representatives, and community leaders in which all agree to continue a negotiated process of conflict resolution.

Indicator 14 Progress

Action		Percentage value of action towards achieving indicator	Percentage of action achieved	Percentage of indicator achieved
1	Phase 1 MNP community study	10%	100%	10%
2	Phase 2 MNP community study	10%	100%	10%
3	Written list of rights and responsibilities and pilot mitigation activities agreed upon between MARN and MNP communities	10%	100%	10%
4	Implement mitigation measures with MNP communities	10%	100%	10%
5	Develop a conflict resolution action plan	10%	100%	10%
6	Contract a consultant to lead conflict resolution process	10%	100%	10%
7	Implement environmental education with MNP communities	10%	100%	10%
8	Design and implement household survey of MNP communities	10%	100%	10%
9	Implement conflict resolution workshops with MARN and MNP communities	10%	100%	10%
10	Memorandum of Understanding signed by MARN and MNP communities	10%	100%	10%
CURRENT STATUS				100%

Indicator 14 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	■											
2		■										
3			■									
4			■	■	■	■	■	■	■	■	■	■
5			■	■	■	■	■	■	■	■	■	■
6			■	■	■	■	■	■	■	■	■	■
7			■	■	■	■	■	■	■	■	■	■
8			■	■	■	■	■	■	■	■	■	■
9			■	■	■	■	■	■	■	■	■	■
10			■	■	■	■	■	■	■	■	■	■

Indicator 15: Number of key park personnel and local inhabitants trained in Natural Resource Management and biodiversity conservation

Baseline: 0

LOP target: 75 persons (gender disaggregated)

FY 2010 Q1 status: 0%

FY 2010 Q2 status: 35%

FY 2010 Q3 status: 85%

FY 2010 Q4 status: 439%

Estimated final LOP status: 439%

- 48.9% of the populations of Majaditas and San José Ingenio received at least three days of intensive instruction in natural resource management, the protected areas of El Salvador, watershed management, international biodiversity treaties and conventions, and specifically the importance of Montecristo National Park as a protected area providing ecosystem services to Salvadorans.
- 55 personnel of MNP, MARN, and co-management NGOs receive intensive technical training and experience in natural resource management and planning under the instruction of Dr. Craig MacFarland.
- MNP biologists Raúl Gutierrez and Gloria Nohemy received 33 days of intensive training with colleagues from Latin America through the international course in Protected Areas Management at Colorado State University, Ft. Collins, CO, USA.

- IMCCW has created a common pool of knowledge about natural resource management that spans MNP's managers and the park's residents. This shared experience has helped build better relationships and understanding that enables improved management of MNP.

LOP technical documentation:

- Documentation of NR management and biodiversity conservation training

Indicator 15 comments:

- 1) IMCCW considers this deliverable achieved;

Indicator 15 Progress							
Date	Instructors	Topic	Participants	Female	Male	Total	Person-days
1 Feb	Craig MacFarland; Juan Pablo Dominguez	MNP Zoning	MNP staff, MNP administration	9	17	26	26
2 Feb	Craig MacFarland; Juan Pablo Dominguez	MNP Limits of Acceptable Change, Carrying Capacity	MNP staff, MNP administration; MARN; San Diego de la Barra NP; Plan Trifinio staff from El Salvador, Guatemala, & Honduras	9	17	26	26
1-4 April	Craig MacFarland	ROVAP and LAC	Technical staff from MARN, MNP staff, PA co-management NGOs, and local community	7	22	29	87
6 July – 8 August	CSU Protected Areas Management staff	Protected Areas Management	Raúl Gutierrez and Gloria Nohemy of MARN	1	1	2	66
24-25 Aug	Marta Lilian Quezada Walter Mejía	Basic concepts of ecology and the environment, Protected Areas System of El Salvador, objectives and categories of protected areas, protected areas legislation, International biodiversity conventions	Residents of MNP communities, MNP personnel	88	64	152	304
31 Aug	Marta Lilian Quezada Walter Mejía	Management of water resources and watersheds, the Montecristo watershed	Residents of MNP communities, MNP personnel	88	64	152	152
1 Sep	Dr. Craig MacFarland Miguel Gallardo	protected areas management planning	Residents of MNP communities, MNP personnel	88	64	152	152
8 Sep	Dorys Fajardo Marta Garza Ana Rosa López	Environmental awareness for schoolchildren	School children for MNP communities	65	57	122	122
16 Sep	Dorys Fajardo Marta Garza Ana Rosa López	Environmental awareness for schoolchildren	School children for MNP communities	65	57	122	122
Totals				170	161	331	1,158

Indicator 16: Number of local inhabitants and park personnel trained in solid waste management

Baseline: 0

LOP target: 60 local inhabitants 30 park personnel (both gender disaggregated)

FY 2010 Q1 status: 0%

FY 2010 Q2 status: 0%

FY 2010 Q3 status: 60%

FY 2010 Q4 status: 201%

Estimated final LOP status: 201%

- 141 (93 men, 48 women) local inhabitants trained in solid waste management
- 40 (32 men, 8 women) park personnel trained in solid waste management
- A characterization and analysis of the solid waste produced in MNP

LOP technical documentation:

- Solid waste study of MNP
- Documentation of solid waste management training

Indicator 16 comments:

- 1) IMCCW considers this deliverable achieved;

Indicator 16 Progress							
Date	Solid Waste Management Training Description	Key Park Personnel		Local Inhabitants		Total	
		Male	Female	Male	Female	Male	Female
15 April	Majaditas community			37	20	37	20
18 April	San José Ingenio community			40	18	40	18
26 April	Unidad de Desechos Sólidos de MARN		3				3
22, 23, 24 Sep	Solid waste management as part of conflict resolution and improved relations	17	3	16	10	33	13
30 Sep	Solid waste management for MNP personnel	15	2			15	2
Total		32	8	93	48	125	56

Indicator 17: Number of local volunteer park guides trained on orienting and educating tourists on park resources, activities, and opportunities

Baseline: 0

LOP target: 18 volunteer guides (gender disaggregated)

FY 2010 Q1 status: 0%

FY 2010 Q2 status: 150%

FY 2010 Q3 status: 150%

FY 2010 Q4 status: 150%

Estimated final LOP status: 150%

- 27 local volunteer park guides trained on orienting and educating tourists on park resources, activities, and opportunities
- legalization of a MNP guide group
- equipment purchased and distributed to MNP guide group

LOP technical documentation:

- Documentation of guide training

Indicator 17 comments:

- 1) IMCCW considers this deliverable achieved;

Indicator 17 Progress						
Date	Instructors	Topic	Female	Male	Total	Person-days
15 – 18 Feb	Marta Lilian Quezada; Julieta Castillo	Basic knowledge of Ecology and the Environment	11	16	27	54
19 & 26 Feb	Vladlen Henríquez; Marta Lilian Quezada; Julieta Castillo	Field identification of Montecristo reptiles and amphibians – classroom training and field trips	11	16	27	54
22 & 23 Feb	Luis Girón; Melisa Rodríguez; Marta Lilian Quezada; Julieta Castillo	Field identification of Montecristo mammals and their tracks – classroom training and field trips	11	16	27	54
24 & 25 Feb	José Linares, Marta Lilian Quezada; Julieta Castillo	Field identification of Montecristo plants – classroom training and field trips	11	16	27	54
1-5 Mar	Clyde Stonaker; Metapan Red Cross	Search and Rescue	11	16	27	135
10-12 Mar	Clyde Stonaker; Metapan Red Cross	First Aid; Cartography/Maps/Compass/GPS	11	16	27	81
15-19 Mar	Eduardo Galicia; Julieta Castillo	Tourism in protected areas	11	16	27	54
22 Mar	Roselvy Juárez; Julieta Castillo	Field identification of Montecristo birds – classroom training and field trips	8	14	22	22
23-24 Mar	José Linares; Marta	Field identification of Montecristo plants – classroom	8	14	22	66

Indicator 17 Progress						
Date	Instructors	Topic	Female	Male	Total	Person-days
	Lilian Quezada; Julieta Castillo	training and field trips				
25-26 Mar	Eduardo Galicia; Julieta Castillo	Environmental interpretation	8	14	22	44
29-31 Mar	Eduardo Galicia; Julieta Castillo	Environmental interpretation: Group management in natural protected areas	8	14	22	66
1-4 Apr	Eduardo Galicia; Julieta Castillo	Supervised practice managing groups	8	14	22	88
Totals			11	16	27	772

Indicator 18: Number of MNP brochures distributed

Baseline: 0

LOP target: 30,000 copies

FY 2010 Q1 status: 0%

FY 2010 Q2 status: 76.6%

FY 2010 Q3 status: 76.6%

FY 2010 Q4 status: 100%

FY 2010 Q4 status: 110%

Estimated final LOP status: 127%

- 20,000 newspaper inserts promoting MNP distributed
- 3,000 promotional bookmarks promoting MNP distributed at the AgroExpo 2010
- 10,000 MNP visitor guides designed, printed, and delivered to MARN for distribution at the MNP entrance
- 5,000 MNP species guides (birds, orchids, wildflowers and fruits, mammals, and reptiles and amphibians) designed, printed, and delivered to MARN for distribution and/or sale at the MNP entrance

LOP technical documentation:

- Final insert design;
- Final promotional bookmark design;
- Final MNP field pamphlet designs;
- Documentation of brochure distribution

Indicator 18 comments:

- 1) IMCCW considers this deliverable achieved;

Indicator 18 achievement					
Brochure description	Recipient	Probable Distribution Site/ Public	No. Printed	No. Distributed	Percentage of target
Montecristo promotional newspaper insert	General public	Newspapers	20,000	20,000	66.6%
Montecristo promotional bookmark	General public	AgroExpo 2010	3,000	3,000	10%
Montecristo species guides	General public	MNP entrance	0	0	0%
Montecristo visitor guide	General public	MNP entrance	10,000	10,000	33.3%
Total			23,000	33,000	110%

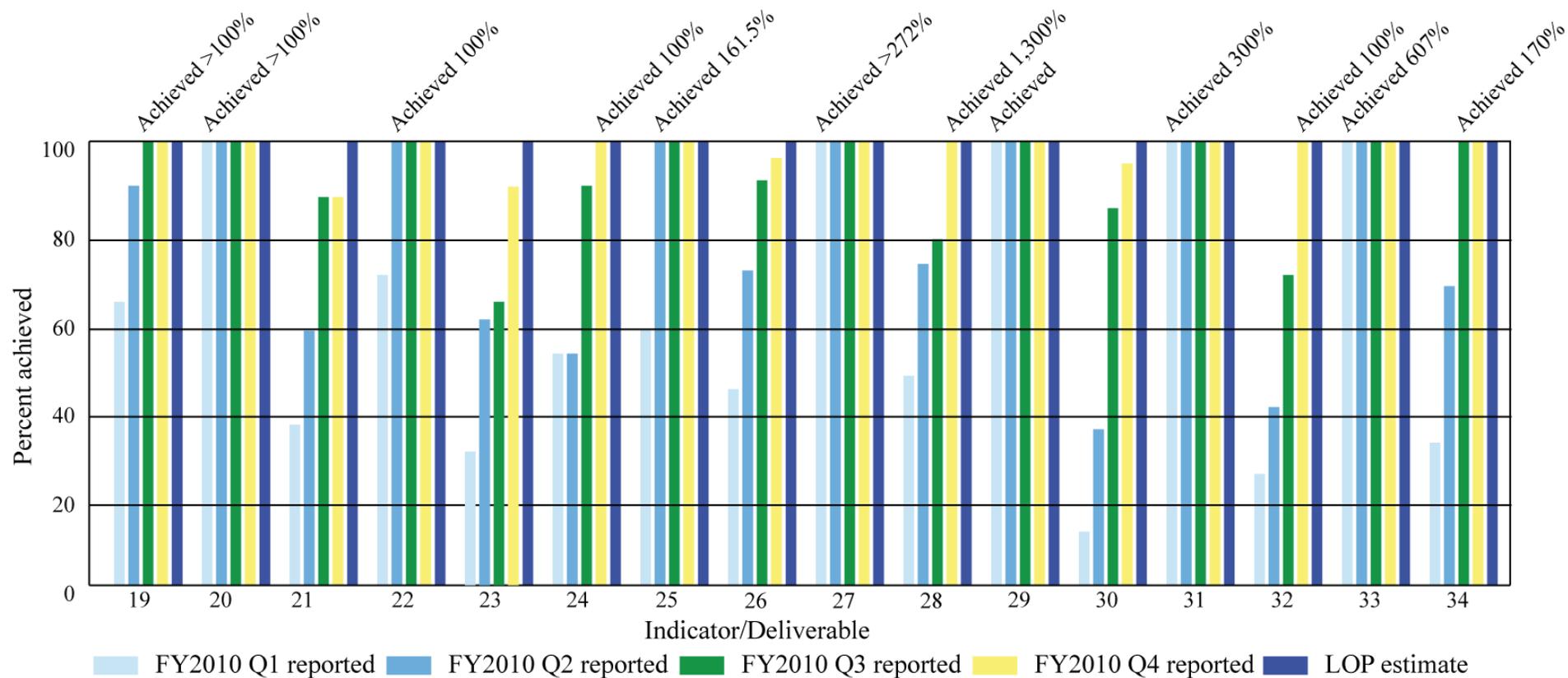
G. DELIVERABLE AND INDICATOR DATA: SPECIES-BASED CONSERVATION OF LOWER WATERSHEDS

Table 8. Subcomponent F deliverable and indicator status

Component F: Species-based Conservation of Lower Watersheds						
DESCRIPTION	LOP	Percent achieved				
		Q1	Q2	Q3	Q4	LOP
DELIVERABLES						estimate
19. Business and institutional development plan	1 plan	64%	90%	100%	100%	>100%
20. Clear legislation for sea turtle conservation	1 draft	25%	100%	100%	100%	>100%
21. Management Plans for protected beaches	2 draft management plans	36%	57.5%	87.5%	87.5%	>100%
22. Manual on hatchery operation	1 manual	70%	100%	100%	100%	100%
23. Technical report on biological aspects of sea turtles and priority geographic areas for sea turtle conservation	1 technical report	30%	60%	64%	300%	300%
24. Nationwide marine turtle stranding network protocol	1 plan	52%	52%	100%	100%	100%
INDICATORS						
25. Number of kilometers of coastline under improved sea turtle management.	100 km	58%	124%	161%	161.5%	161.5%
26. Capacity of institutions to manage nationwide sea turtle research and conservation program increased.	1 organizational structure with 1 strategic plan	44%	71%	87.5%	96.25%	100%
27. Sea turtle egg consumption by San Salvador residents reduced.	25% reduction	355%	272%	272%	272%	>272%
28. Protected beaches established through Executive Decree or equivalent	2 protected beaches	47%	75%	85%	200%	1,300%
29. Number of sea turtle hatchlings released through public and private partnerships increased.	300% increase	102%	112.8%	112.8%	112.8% 17%	112.8% 149%
30. A nationwide national marine turtle stranding network implemented.	1 network	12%	35%	70%	95%	100%
31. Number of public outreach campaigns implemented.	1 campaign	100%	100%	200%	195%	300%
32. Clear legislation or regulation that supports sea turtle breeding season bans on turtle egg consumption drafted	1 draft	25%	40%	70%	100%	700%
33. Number of people trained from various institutions on sea turtle law enforcement and management.	150 people trained					
	Men	765				
	Women	149	270%	465%	465%	607%
	Total	914				607%
34. Public and private hatchery network established with at least 20 ongoing and newly established hatcheries.	1 private and public hatchery network	32%	67.5%	155%	170%	170%
	Average	61%*	82%*	94%*	98%*	281%

*Average calculated setting all percentages over 100% to 100%.

Figure 3. Deliverable and indicator achievement status of Subcomponent F: Species-based Conservation of Lower Watersheds



H. DELIVERABLE AND INDICATOR COMMENTS, CALCULATIONS, AND TIMELINE: SPECIES-BASED CONSERVATION OF LOWER WATERSHEDS

Deliverable 19: Business and institutional development plan for the institution which implements the national sea turtle research and conservation program, including sustainable mechanisms for long-term conservation of endangered marine species.

Baseline: 0

LOP Target: 1 business plan; 1 institutional development plan

FY 2010 Q1 status: 64%

FY 2010 Q2 status: 90%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: >100%

- 1 FUNZEL business plan completed and adopted; 1 FUNZEL institutional analysis completed; 1 FUNZEL institutional development plan completed and adopted; >\$1 million in FUNZEL-linked alliances signed; reconstituted FUNZEL administrative staff; reconstituted FUNZEL board of directors; FUNZEL reestablished as a legally recognized non-profit institution.
- FIAES sea turtle conservation program proposed and accepted by the FIAES Board of Directors; a description of the FIAES sea turtle conservation program structure prepared and presented to FIAES; a financial account established to receive private sector financing for sea turtle conservation.
- Public-private partnerships linked to FUNZEL with a value to sea turtle conservation of \$1,048,120 over five years and that will generate \$100,000 from the private sector annually.

LOP technical documentation:

- FUNZEL institutional development TOR;
- Documentation of FUNZEL institutional analysis workshops;
- Final FUNZEL institutional development plan;
- Documentation of FUNZEL institutional development plan implementation;
- FUNZEL business plan TOR;
- Final FUNZEL business plan;
- Documentation of FUNZEL business plan implementation;

Deliverable 19 comments:

- 1) IMCCW considers that this deliverable is achieved.
- 2) IMCCW focused on FUNZEL as the Salvadoran institution with the greatest technical capacity and current potential to provide national leadership in national sea turtle research and conservation.
- 3) With IMCCW support in FY 2010, FUNZEL has rebuilt itself into a viable institution. It underwent an institutional analysis that resulted in an institutional development plan and has been implementing this development plan through FY 2010. It has new guiding documents, new administration, a strong technical staff, plans to rebuild its Board of Directors in October 2010. IMCCW has linked over \$1.5 million in public-private alliances for sea turtle conservation to FUNZEL.
- 4) FUNZEL still has weaknesses. Its Board of Directors is not very engaged. FUNZEL still suffers from several years of chaotic financial accounting and record-keeping during which it failed to renew its non-profit status. With IMCCW help, FUNZEL has reconstructed some of its financial records and has applied for re-recognition as a non-profit institution. This application is pending government approval. FUNZEL public-private alliances require counterpart public funding and these funds are as yet unidentified, which is a risk to FUNZEL achieving status as the institution which implements a national sea turtle research and conservation program in El Salvador.

- 5) IN FY 2011 Q1, IMCCW will continue to work with FUNZEL to overcome these persistent institutional weaknesses. IMCCW's minimum goal is to leave FUNZEL able to continue sea turtle conservation hatchery operations in the 2011 season and firmly on the trajectory plotted by its new institutional development and business plans.

Deliverable 19 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Institutional development plan TOR written	10%	100%	10%
2	Institutional analysis workshops held	10%	100%	10%
3	Institutional development plan written	10%	100%	10%
4	Institutional development plan presented and adopted	10%	100%	10%
5	Institutional development plan implementation initiated	10%	100%	10%
6	Business plan TOR written	10%	100%	10%
7	Business plan information gathered and analyzed	10%	100%	10%
8	Business plan draft prepared	10%	100%	10%
9	Business plan draft presented and adopted by institution	10%	100%	10%
10	Business plan implementation initiated	10%	100%	10%
Current status				100%

Deliverable 19 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Deliverable 20: Clear legislation or regulation that supports sea turtle breeding season bans on turtle egg consumption drafted

Baseline: 0

LOP: 1 Draft legislation or regulation

FY 2010 Q1 status: 100%

FY 2010 Q2 status: 100%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: 800%

- 1 legislation passed that supports sea turtle breeding season bans on turtle egg consumption
- 7 municipal ordinances that support sea turtle conservation

LOP technical documentation:

- Text of El Salvador government ban on commerce and consumption of sea turtle eggs;
- Text of model municipal ordinance protecting sea turtles and sea turtle eggs;

Indicator 20 comments:

- 1) IMCCW considers that this deliverable has been achieved;

- 2) This deliverable is almost the same as Indicator 32 which IMCCW has achieved through the development of a model municipal ordinance protecting sea turtles and which IMCCW will help the Alcaldías of San Salvador, San Luís Talpa, San Francisco Menéndez, San Luis Herradura, Acajutla, Jiquilisco, and La Libertad adopt in FY 2011 Q1.

Indicator 20 Progress	
In 2009 the Government of El Salvador instituted a complete ban on the commerce and consumption of sea turtle eggs. The new government has reaffirmed the ban and it is being enforced. These actions, unforeseen when the IMCCW Subcomponent F was designed, have obviated this indicator. IMCCW has concentrated its efforts on developing municipal ordinances (Indicator 33) that support the commercialization ban and protect nesting beaches.	
Current status	100%

Deliverable 21: Draft management plans for two protected beaches

Baseline: 0

LOP Target: 2 draft management plans

FY 2010 Q1 status: 36%

FY 2010 Q2 status: 57.5%

FY 2010 Q3 status: 87.5%

FY 2010 Q4 status: 87.5%

Estimated final LOP status: >100%

- 1 completed and MARN-approved Los Cóbános Management Plan
- 6 simplified beach management plans: Amatecampo, El Pimental, LA Zunganera, San Blas, San Diego, and San Sebastian
- Recommendations for community actions to improve beach management for 34 beaches

LOP technical documentation:

- Los Cóbános Management Plan with sea turtle beach management actions incorporated;
- Signed contract to prepare management plans for at least one other sea turtle beach;
- MARN and USAID comments on draft sea turtle beach management plans;
- Final sea turtle beach management plans;
- Documentation of presentation of beach management plans to appropriate authorities;
- Documentation of beach management plan implementation;

Deliverable 21 comments:

- 1) IMCCW considers that this deliverable has been achieved pending final editing and delivery of the plans to USAID after MARN review and approval;
- 2) IMCCW prepared a new section for the draft Los Cóbános Management Plan that provides a protection plan for the Los Cóbános sea turtle beaches. MARN is reviewing the Los Cóbános Management Plan and IMCCW expects official approval soon.
- 3) IMCCW has developed for each of 34 beaches a prioritized list of recommendations that function as abbreviated management plans appropriate for implementation by the local community. IMCCW is editing these community action plans for presentation and adoption by each of the communities. IMCCW will deliver these edited community action plans to USAID and MARN in FY 2011 Q1.
- 4) IMCCW and FUNZEL have developed draft management plans for six priority beaches. These are being edited and IMCCW will present them to USAID and MARN in FY 2011;

Deliverable 21 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Los Cóbános Management Plan with sea turtle beach management actions incorporated	10%	100%	10%

2	Signed contract to prepare management plans for at least one other sea turtle beach	10%	100%	10%
3	Methodology identified	10%	100%	10%
4	Information gathering begun	10%	100%	10%
5	Draft plans prepared	10%	100%	10%
6	Drafts reviewed by USAID and MARN	10%	50%	5%
7	Drafts presented to local stakeholders	10%	100%	10%
8	Draft plan adopted	15%	50%	7.5%
9	Management plan implementation begun	15%	100%	15%
Current status				87.5%

Deliverable 21 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												

Deliverable 22: Manual on hatchery operation.

Baseline: 0

LOP Target: 1 hatchery management manual

FY 2010 Q1 status: 70%

FY 2010 Q2 status: 100%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 completed and distributed hatchery manual

LOP technical documentation:

- Hatchery manual TOR;
- MARN comments on draft hatchery manual;
- Final printed hatchery manual;
- Documentation of hatchery manual distribution;

Deliverable 22 comments:

- 1) IMCCW considers that this deliverable has been achieved;

Deliverable 22 Progress				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	10%	100%	10%
2	Staff lead and team identified	10%	100%	10%
3	Methodology identified	10%	100%	10%
4	Information gathering begun	10%	100%	10%
5	Draft manual prepared	10%	100%	10%
6	Draft manual reviewed by MARN	10%	100%	10%
7	MARN comments incorporated into revised draft	10%	100%	10%
8	Final approval by MARN	15%	100%	15%

Deliverable 22 Progress				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
9	Manual printed	15%	100%	15%
Current status				100%

Deliverable 22 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	■											
2		■										
3												
4			■									
5			■									
6												
7												
8				■								
9					■							

Deliverable 23: One technical report on biological aspects of sea turtles and priority geographic areas for sea turtle conservation.

Baseline: 0

LOP Target: 1 technical report

FY 2010 Q1 status: 30%

FY 2010 Q2 status: 60%

FY 2010 Q3 status: 64%

FY 2010 Q4 status: 190%

Estimated final LOP status: 400%

- 1 technical report on sources of sea turtle mortality with management recommendations
- 1 technical report on priority coastal areas for sea turtle conservation with management recommendations
- 1 technical report on a baseline survey of habitat conditions on 34 sea turtle nesting beaches with management recommendations
- 1 technical report on the probabilistic distribution of hawksbill sea turtles in the Bahía de Jiquilisco

LOP technical documentation:

- Sea turtle research TOR;
- Signed contract(s) with sea turtle researcher(s);
- Comments on draft technical report(s);
- Final technical report(s);
- USAID approval of final technical report(s);

Deliverable 23 comments:

- 1) IMCCW considers that this deliverable has been achieved pending final editing and delivery of the technical reports to USAID;
- 2) IMCCW has completed four technical studies: 1) Sources of adult sea turtle mortality; 2) Priority coastal areas for adult sea turtles; 3) a baseline survey of habitat conditions on 34 nesting beaches; and 4) a GIS model that provides a probabilistic distribution of hawksbills in the Bahía de Jiquilisco.
- 3) IMCCW will translate these studies in to Spanish for MARN;

Deliverable 23 Progress

Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	10%	100%	10%
2	Research team identified	10%	100%	10%
3	Methodology identified	10%	100%	10%
4	Fieldwork begun	10%	100%	10%
5	Data analysis 50% complete	10%	100%	10%
6	Data analysis complete	10%	100%	10%
7	Draft report prepared	10%	100%	10%
8	Draft report circulated for comment	10%	100%	10%
9	Revised report prepared	10%	100%	10%
10	Report delivered to USAID	10%	0%	0%
Current status				90%

Deliverable 23 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Deliverable 24: A nationwide marine turtle stranding network protocol

Baseline: 0

LOP Target: 1 written protocol

FY 2010 Q1 status: 52%

FY 2010 Q2 status: 52%

FY 2010 Q3 status: 90%

Estimated FY 2010 Q4 status: 100%

Estimated final LOP status: 100%

- 1 completed and distributed sea turtle stranding protocol
- training in sea turtle stranding protocol given in coastal communities

LOP technical documentation:

- Sea turtle stranding protocol TOR;
- Written draft stranding protocol;
- Comments on draft stranding protocol;
- Documentation of stranding protocol implementation;
- Stranding protocol field validation report;
- Final stranding protocol;
- MARN approval of final stranding protocol;
- Documentation of USAID receipt of final stranding protocol;

Deliverable 24 comments:

- 1) IMCCW considers that this deliverable has been achieved;
- 2) FUNZEL veterinarian Patti Martínez developed the stranding protocol with review and revision from Celina Dueñas of MARN;
- 3) IMCCW has published the guide for distribution to members of the stranding network;

- 4) Field validation is occurring during the 2010 season working with the *tortuguero* networks;
- 5) Results of the validation will be part of a final report on implementation of the stranding protocol through a stranding network during the 2010 nesting season;

Deliverable 24 Progress				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	10%	100%	10%
2	Staff team identified	10%	100%	10%
3	Work plan prepared	10%	100%	10%
4	Written protocol developed and circulated for comment	10%	100%	10%
5	Written protocol revised as needed	10%	100%	10%
6	Field validation of protocol begun	10%	100%	10%
7	Protocol adjusted as needed based on field experience	10%	100%	10%
8	Revised protocol circulated for comment	10%	100%	10%
9	Final protocol approved by MARN	10%	100%	10%
10	Final protocol report presented to USAID	10%	0%	0%
Current status				90%

Deliverable 24 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	■											
2												
3												
4		■	■									
5			■	■	■	■	■	■	■	■	■	■
6			■	■	■	■	■	■	■	■	■	■
7						■	■	■	■	■	■	■
8							■	■	■	■	■	■
9										■	■	■
10										■	■	■

Indicator 25. Number of km of coastline under improved sea turtle management

Baseline: Zero

LOP target: 100 km

FY 2010 Q1 status: 58%

FY 2010 Q2 status: 124%

FY 2010 Q3 status: 161%

FY 2010 Q4 status: 161.5%

Estimated final LOP status: 161.5%

- 161.5 km of nesting beach coastline under improved management
- 222 management actions implemented as appropriate among 37 sea turtle nesting beaches

LOP technical documentation:

- Documented environmental education;
- Documented economic alternatives;
- Documented hatchery activities;
- Documented research activity;
- Documented fund-raising/ P-P alliances activity

Deliverable 25 comments:

- 1) IMCCW considers this indicator has been achieved;

- 2) calculation of beach km follows the method presented in the IMCCW FY 2010 Workplan (IMCCW 2009b): the length of individual beaches is included in the total if IMCCW has provided to the beach any three of the following five IMCCW activities:
 1. Conservation training and environmental education
 2. Hatchery management technical assistance
 3. Project developed maps and GIS information
 4. Municipal government assistance related to beach management;
 5. Any other beach management related activity

Figure 4. Sea turtle beaches on the Salvadoran coast

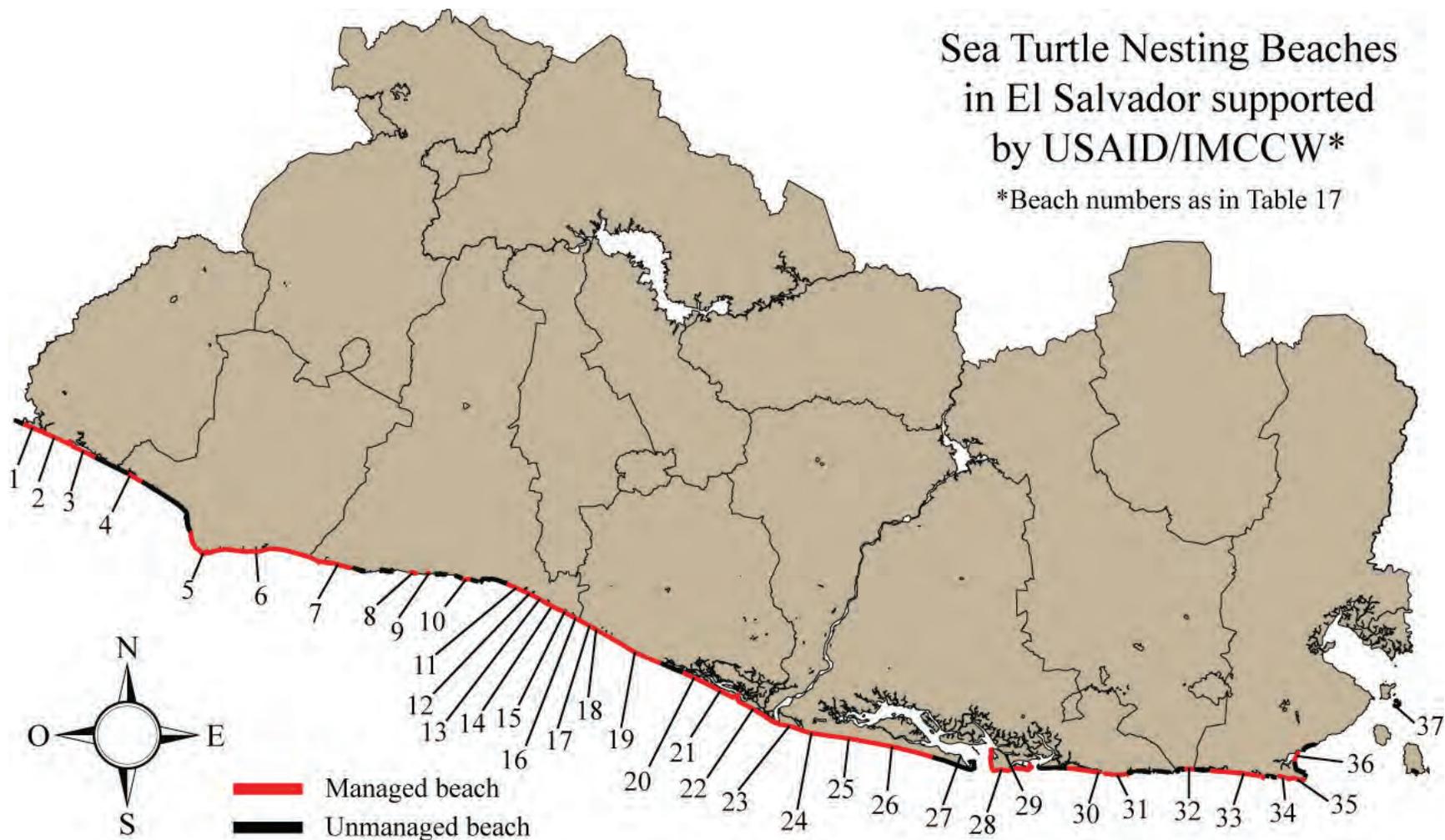


Table 9. Improved sea turtle beach management activities

Beach	Beach length (km)	Managed beach length (km)	Qualifying IMCCW activities														
			Sea turtle conservation hatchery	Sea turtle conservation research	Public-private alliance	Environmental education	Beach management	Marine resources based technical assistance	Vocational training	Agriculture based economic alternatives	Institutional development	Community-based economic alternatives	Municipal ordinances				
1	Bola de Monte	4	4		X		X	X			X	X		X			6/11
2	Brisas del Mar	5	5				X	X				X					4/11
3	Barra de Santiago	9	9	X	X	X	X	X	X			X	X				8/11
4	Los Cobanos	5	5	X	X	X	X	X				X	X	X			9/11
5	Barra Ciega	2	7		X		X	X				X					6/11
6	Costa Azul	2	2	X	X	X	X	X				X					7/11
7	Playa Dorada	7	7	X	X	X	X	X				X	X				8/11
8	El Palmarcito/El Zonte	1	1	X	X		X	X				X					6/11
9	El Majahual	1	1	X	X		X	X				X					6/11
10	San Blas	1	1	X	X		X	X				X	X	X			8/11
11	San Diego	5	5	X	X	X	X	X				X	X	X			9/11
12	El Amatal	2	2	X	X		X	X				X					7/11
13	Toluca	3	3	X	X		X	X				X					7/11
14	Boca Poza	1	1	X	X		X	X				X					7/11
15	Los Pinos/Cangrejera	4	4	X	X			X				X					6/11
16	Bocanitas	2	2	X	X		X	X				X					7/11
17	Amatecampo	2	2	X	X	X	X	X		X		X					9/11
18	Zunganera	5	5	X	X	X	X	X		X		X					9/11
19	El Pimental	3	3	X	X	X	X	X		X		X					9/11
20	Costa del Sol Km 71	5	5	X		X											4/11
21	Costa del Sol Km 78	7	7	X		X											4/11
22	Tasajera/Colorada	10	10	X	X	X	X	X				X	X	X			9/11
23	San Juan del Gozo	7	7	X	X		X	X	X			X	X	X			9/11
24	El Icaico	2	2	X	X	X	X	X	X			X					8/11
25	Isla de Méndez	12	12	X	X		X	X	X			X	X	X			9/11
26	Isla Montecristo	5	5	X	X		X	X	X			X	X	X			9/11
27	Corral de Mulas	10	10		X		X		X			X					4/11
28	San Sebastian/La Pirraya	6	6	X	X		X	X	X			X	X				8/11
29	San Sebastian/El Cojollon	6	6	X	X		X	X	X			X	X				8/11
30	El Espino	6	6	X	X		X	X				X					6/11
31	Salamar	4	4	X	X		X	X				X					6/11
32	El Cuco	4	4	X	X		X	X				X					6/11
33	El Icacal	9	9	X	X		X	X				X					6/11
34	Las Tunas	1	1	X			X	X				X					5/11
35	El Maculiz	1	1	X	X	X	X	X				X					7/11
36	Tamarindo	2	2	X	X	X	X	X				X					7/11
37	Isla Martín Pérez	0.5	0		X												1/11
Totals		161.5	161	$\frac{32}{37}$	$\frac{33}{37}$	$\frac{14}{37}$	$\frac{33}{37}$	$\frac{32}{37}$	$\frac{8}{37}$	$\frac{3}{37}$	$\frac{1}{37}$	$\frac{34}{37}$	$\frac{11}{37}$	$\frac{21}{37}$			

Indicator 26: Capacity of institutions to manage nationwide sea turtle research and conservation program increased

Baseline: 0

LOP Target: 1 organizational structure with established strategic plan

FY 2010 Q1 status: 44%
FY 2010 Q2 status: 71%
FY 2010 Q3 status: 93.8%
FY 2010 Q4 status: 96.25%

Estimated final LOP status: 100%

- A revised national sea turtle conservation strategy;
- A revised national sea turtle conservation strategy action plan;
- A proposal for an autonomous national-scale sea turtle conservation program adopted by the FIAES Board of Directors;
- An account to receive private-sector funding for sea turtle conservation established within FIAES;
- A tortuguero network established to give them a voice and recognition in a national sea turtle conservation program;
- FUNZEL established with the capacity to be a leading NGO in national-scale sea turtle conservation particularly sea turtle conservation hatchery work;
- Discussions held to detail and clarify MARN's vision and implementation structure for national sea turtle conservation;

LOP technical documentation:

- Revised national sea turtle conservation strategy;
- National sea turtle conservation strategy action plan;
- A written proposal for a national sea turtle conservation program;
- Documentation of an established mechanism for long-term funding for sea turtle conservation program;
- Documentation of national and regional meetings taking place as part of a national sea turtle conservation program;

Deliverable 26 comments:

- 1) IMCCW considers this indicator achieved pending a final *tortuguero* network meeting in FY 2011 Q2 which will review results of the 2010 nesting season;
- 2) IMCCW has decided, in discussion with various stakeholders including USAID and FUNZEL, that FUNZEL does not yet have the institutional strength to bear the burden of a national-scale sea turtle program that includes all conservation elements and would not be accepted in such a role by many other key stakeholders and NGOs. IMCCW will continue to work with FUNZEL to secure its capacity to provide technical support for sea turtle hatchery and sea turtle stranding activities. From this foundation, and with its institutional capacity much improved, IMCCW believes FUNZEL is on a path to grow as an influential advocate for sea turtle conservation in El Salvador.
- 3) In FY 2010 Q2-Q4 IMCCW developed a proposal for a sea turtle conservation program within FIAES to complement the strategy of FUNZEL's institutional development. IMCCW envisioned the FIAES program as coordinating and administering national-scale sea turtle conservation with all the conservation elements included in MARN's revised *Plan de Acción*, with FUNZEL and other NGOs doing the implementation. The FIAES program would also include short-term and long-term financing mechanisms. The FIAES Board of Directors accepted IMCCW's proposal, but its implementation has proved dependent on MARN's evolving ideas and organization, which is outside of IMCCW's control. IMCCW will continue to offer technical support and coordinate with FIAES to advance a sea turtle program.

Indicator 26 Progress				
Action		Percentage contribution of action to indicator	Percentage of action achieved	Percentage of indicator achieved
1	Components of nationwide sea turtle program drafted	25%	100%	25%
2	Role of private sector institutional champion established	25%	100%	25%

3	Sea turtle network enhanced:			
	a) National meetings of sea turtle network (2X15%)	50% of 30% = 15%	25%	85%
	b) Regional meetings of network (2X15%)	100% of 30% = 30%		
	c) Admin meetings of sea turtle network (4X10%)	100% of 40% = 40%		
4	Institutional business /strategic plan for champion drafted		25%	100%
Current status				96.25%

Indicator 26 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												

Indicator 27: Sea turtle egg consumption by San Salvador residents reduced

Baseline: 0

LOP target: 25% reduction in turtle egg consumption in San Salvador bars and restaurants from 2008 season = 1,313,900 eggs consumed to 2009 season = 985,425 eggs consumed

FY 2010 Q1 status: 272% (San Salvador consumption = 419,700)

FY 2010 Q2 status: 272% (San Salvador consumption = 419,700)

FY 2010 Q3 status: 272% (San Salvador consumption = 419,700)

FY 2010 Q4 status: >272% (San Salvador consumption = 419,700)

Estimated final LOP status: >272%

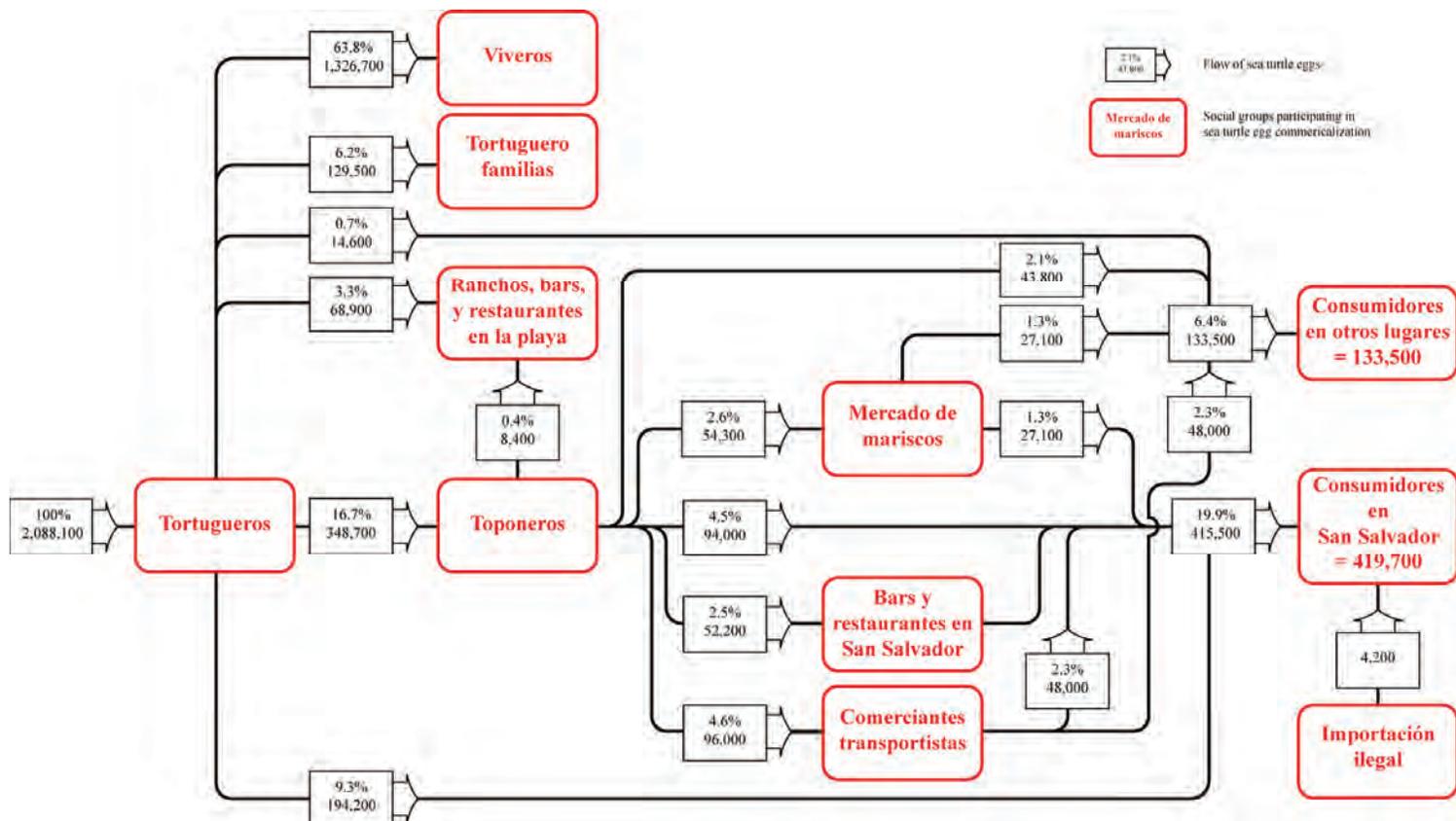
- A reduction in consumption of sea turtle eggs in San Salvador of 68% in the 2009 season backed by a study based on sea turtle egg hatchery data and field interviews with participants in the sea turtle egg value chain;

LOP technical documentation:

- Hatchery data;
- Interview records;
- Analysis report;

Deliverable 27 comments:

- 1) IMCCW considers that this indicator has been achieved.
- 2) IMCCW estimated the reduction in sea turtle egg consumption based on sea turtle egg hatchery data and field interviews with participants in the sea turtle egg value chain (Romanoff and Chanchan 2010).
- 3) IMCCW abandoned direct estimates of San Salvador consumption because field workers were at risk of physical violence from gangs controlling the San Salvador markets.
- 4) IMCCW's field survey of the impact of the *La Clinica* publicity campaign suggests that public attitudes against the consumption of sea turtle eggs have strengthened which may mean that egg consumption has fallen further in 2010.
- 5) IMCCW did not attempt to measure sea turtle egg consumption in San Salvador in 2010.



Indicator 28: Protected beaches established through Executive Decree or equivalent

Baseline: 0

LOP target: 2 protected beaches

FY 2010 Q1 status: 47%

FY 2010 Q2 status: 72.5%

FY 2010 Q3 status: 78%

FY 2010 Q4 status: 200% (4 beaches)

Estimated final LOP status: 1,300% (26 beaches)

- Three sea turtle nesting beaches protected by a signed agreement with the Alcaldía San Luís Talpa (=Executive Decree equivalent)
- One sea turtle nesting beach protected by a signed agreement with the Fuerza Naval (=Executive Decree equivalent)
- Five sea turtle nesting beaches protected by the Los Cóbano Management Plan (=Executive Decree equivalent)
- Twenty-five sea turtle nesting beaches protected by municipal ordinances (=Executive Decree equivalent), of which eight are also protected by signed agreements or the Los Cóbano Management Plan

LOP technical documentation:

- Current draft of Los Cóbano management plan with sea turtle beach protection incorporated;
- Documentation of MARN acceptance of final Los Cóbano Management Plan;
- Signed agreement with the Alcaldía San Luís Talpa to protect Amatecampo, Zunganera, and El Pimental;
- Signed agreement with the Fuerza Naval to protect Isla Martín Pérez;
- Signed consultant contract to develop sea turtle beach protection plan(s) for municipal authorities;
- Municipal ordinances that provide protection to sea turtles and their nesting beaches;

Deliverable 28 comments:

- 1) IMCCW considers that this indicator has been achieved.
- 2) By agreement with USAID, the definition of an “Executive Decree or equivalent” includes any signed agreement to protect sea turtle nesting beaches signed by a government entity. IMCCW interprets this to include agreements signed between FUNZEL and an Alcaldía to cooperate on nesting beach protection, municipal ordinances to protect nesting beaches, and the Los Cóbano Management Plan if approved by MARN.
- 3) IMCCW has obtained signed agreements with the Alcaldía San Luís Talpa to protect Amatecampo, Zunganera, and El Pimental.
- 4) IMCCW has obtained a signed agreement with the Fuerza Naval to protect Isla Martín Pérez.
- 5) IMCCW still expects MARN to approve the Los Cóbano Management Plan, which includes protection for the sea turtle nesting beaches of Barra Ciega, Playa El Flor, Barra Salada, Playa Los Almendros, and Playa El Amor.
- 6) In FY 2011 Q1, IMCCW expects the Alcaldías of San Luís Talpa, San Francisco Menéndez, San Luis Herradura, Acajutla, Jiquilisco, and La Libertad to adopt municipal ordinances that would protect an additional 17 nesting beaches.
- 7) MARN review of the Los Cóbano Management Plan has taken much longer than expected. MARN requested revisions that required new consultations with experts and additional community workshops. These additional activities are done and MARN is reviewing the revised Plan. IMCCW hopes the review will be finished and approval received in FY 2011 Q1.

Indicator 28 Progress				
Action		Percentage contribution of action to indicator	Percentage of action achieved	Percentage of indicator achieved
Los Cóbano National Park:				
1	Los Cóbano NP staff team identified	10%	100%	10%
2	Staff team incorporate sea turtle beach protection into management plan	10%	100%	10%
3	Los Cóbano management plan accepted by MARN	10%	80%	8%
Other protected beaches:				
4	Staff team to develop sea turtle beach protection plan(s) identified	10%	100%	10%
5	Work plan developed	10%	100%	10%
6	Methodology defined	10%	100%	10%
7	Field work begun on priority beaches	10%	100%	10%
8	Draft protection plans prepared for priority beaches	10%	100%	10%
9	Protection plan(s) reviewed by MARN, USAID, and local sponsor	10%	100%	10%
10	Final protection plan(s) signed by local sponsor	10%	100%	10%
Current status				98%

Indicator 28 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Indicator 29: Number of sea turtle hatchlings released through public and private partnerships increased
Baseline: 286,000

LOP target: 300% increase in annual sea turtle hatchling releases (release of at least 858,000 hatchlings)

FY 2010 Q1 status: >100%

FY 2010 Q2 status: 112.8%

FY 2010 Q3 status: >112.8%

FY 2010 Q4 status: 17.4% (149,347 released through September 30, 2010)

Estimated final LOP status: 149%

- 967,927 hatchlings released in the 2009 season
- 1,280,000 hatchlings released in the 2010 season

LOP technical documentation:

- Individual beach hatchery records of turtle releases;

Indicator 29 comments:

- 1) IMCCW considers that this indicator was achieved in the 2009 sea turtle nesting season and will be achieved in the 2010 nesting season as well;
- 2) Incubation times have been longer than expected in the 2010 nesting season perhaps due to above average rainfall;
- 3) Heavy rainstorms caused surface wash and water table of several hatchery sites (e.g., Km 78) even though these were located on high beach. This may have affected some sea turtle nests and may lead to lower eclosion rates.
- 4) High tides and heavy surf in the 2010 nesting season caused extreme beach erosion along El Salvador's coast. This washed away parts of several hatcheries including some buried nests with the loss of several thousand eggs in total. These hatcheries had to be armored with sand bags, relocated and/or reconfigured. Experienced tortugueros helped choose original hatchery locations partly for security from beach erosion.
- 5) IMCCW expects to receive at least 1.6 million sea turtle eggs in conservation hatcheries in the 2010 season. At an 80% eclosion rate, this suggests 1,280,000 hatchlings will be released. This is a 447% increase in the number of hatchling released over the 2008 baseline (149% of the indicator LOP target) and 39% more than the number of hatchling released in 2009.

Indicator 29 Progress						
	Beach	Released in 2008	Released in 2009	Eggs collected in 2010	Released in 2010	Principal Source of Funding
1	Bola de Monte	0	29,618	20,908	1,750	USAID/IMCCW
2	Brisas del Mar	0	26,566	14,434	2,500	USAID/IMCCW
3	La Barra de Santiago	7,925	53,916	44,282	9,614	USAID/IMCCW
4	Los C6banos	0	60,628	27,293	1,990	USAID/IMCCW, NFWF
5	Barra Ciega	0	6,020			
6	Playa Azul			34,881	3,641	USAID/IMCCW
7	Playa Dorada	0	104,444	84,770	14,908	USAID/IMCCW
8	El Zonte	0	1,250	2,219	678	USAID/IMCCW
9	Majahual	2,000	18,565	6,699	1,889	USAID/IMCCW
10	San Blas	2,400	11,662			FPSM, FUNZEL
11	San Diego	4,365	97,200	91,223	11,970	USAID/IMCCW, HSBC
12	El Amatal	0	7,570	41,559	11,850	USAID/IMCCW
13	Toluca	15,529	12,447	64,295	4,510	USAID/IMCCW
14	Bocapoza	0	2,939	29,447	3,237	USAID/IMCCW
15	Los Pinos / Cangrejera	25,000	96,835	55,076	739	USAID/IMCCW
16	Las Bocanitas	60,000	40,000			Arenas del Pacífico
17	Amatecampo	7,743	15,375	51,429	11,282	USAID/IMCCW
18	La Zunganera	0	11,177	33,362	7,868	USAID/IMCCW

Indicator 29 Progress						
	Beach	Released in 2008	Released in 2009	Eggs collected in 2010	Released in 2010	Principal Source of Funding
19	El Pimental	0	12,181	55,722	6,799	USAID/IMCCW
20	Costa del Sol Km 71			38,472	178	Grupo de vecinos
21	Costa del Sol Km 78			30,212	4,453	Termoencogibles
22	Isla Tasajera/La Colorada	8,136	69,179	79,884	9,869	USAID/IMCCW
23	Isla Montecristo	36,251	52,804	54,320	7,751	USAID/IMCCW
24	San Juan del Gozo	5,842	58,553	72,562	4,493	USAID/IMCCW
25	Isla de Méndez	0	53,544			Ayuda en Acción
26	El Icaco	0	3,000			Ayuda en Acción
27	Corral de Mulas					USAID/IMCCW
28	Isla San Sebastián/ La Pirraya	7,594	63,736	65,604	2,205	USAID/IMCCW
29	Isla San Sebastián/ El Cojollon			25,620	923	USAID/IMCCW
30	El Espino	0	26,745	30,716	3,919	USAID/IMCCW
31	Salamar	0	9,013	11,690	1,954	ACTISA
32	El Cuco			17,773	576	USAID/IMCCW
33	El Icacal	0	19,760	41,748	10,458	DTP
34	Las Tunas			23,016	2,905	USAID/IMCCW
35	Maculiz	2,000	3,200	18,789	4,047	USAID/IMCCW
36	El Tamarindo			3,745	391	USAID/IMCCW
37	Isla Martín Pérez	0	0	0		USAID/IMCCW
Total		184,785	967,927	1,171,750	149,347	

Indicator 30: A nationwide marine turtle-stranding network implemented

Baseline: 0

LOP target: 1 network

FY 2010 Q1 status: 12%

FY 2010 Q2 status: 35%

FY 2010 Q3 status: 85%

FY 2010 Q4 status: 95%

Estimated final LOP status: 100%

- 1 nationwide marine turtle stranding network implemented with an institutional home within FUNZEL
- Involvement of the *Red de Tortugueros* in the turtle stranding network

LOP technical documentation:

- Sea turtle stranding network TOR;
- Written proposal for stranding network organization;
- Documentation of stranding network presentation at national meeting;
- Documentation of stranding protocol training at regional network meetings;
- Final turtle stranding network report;
- Documentation of MARN approval of final stranding protocol network structure;
- Documentation of USAID receipt of final report on stranding protocol network;

Indicator 30 comments:

- 1) IMCCW considers that this indicator is achieved pending editing and delivery to USAID and MARN of a final report on the network and strandings during the 2010 nesting season.
- 2) The stranding network is essentially synonymous with the *tortuguero* network and has been organized in the series of regional and national *tortuguero* meetings IMCCW has facilitated in Q2 and Q3.
- 3) FUNZEL veterinarian Patti Martínez taught *tortuguero* network members stranding protocol methods during these meetings.

Indicator 30 achievement			
Action	Percentage contribution	Percentage of action	Percentage of

		of action to indicator	achieved	indicator achieved
1	Turtle-stranding network staff team TOR	10%	100%	10%
2	Development of stranding network organization	10%	100%	10%
3	Presentation of stranding network at national meeting	10%	100%	10%
4	Presentation/training of protocol at regional network meetings	10%	100%	10%
5	Implementation of network through field validation of stranding protocol	10%	100%	10%
6	Final adjustments to stranding network organization	10%	100%	10%
7	Field implementation of protocol functioning through network	10%	100%	10%
8	Turtle-stranding protocol network report prepared	10%	100%	10%
9	Turtle-stranding protocol network structure approved by MARN	10%	100%	10%
10	Turtle-stranding protocol network report presented to USAID	10%	5%	5%
Current status				95%

Indicator 30 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Indicator 31: Number of public outreach campaigns implemented

Baseline: 0

LOP target: 1 campaign

FY 2010 Q1 status: 100%

FY 2010 Q2 status: 100%

FY 2010 Q3 status: 100%

FY 2010 Q4 status: 100% (coastal communities), 95% (*La Clinica* campaign) = 195%

Estimated final LOP status: 300%

- 1 completed public outreach campaign among coastal communities
- 1 completed public outreach campaign in the San Salvador area
- 1 completed public outreach campaign focused on leatherback conservation

LOP technical documentation:

- Documentation of public outreach campaign events;
- Attendance records of campaign events;
- Design of media based publicity campaign;
- Estimates of media campaign audience size;
- Documentation of MARN approval of campaign;
- Documentation of USAID approval of campaign;

Indicator 31 comments:

- 1) IMCCW considers that this indicator has been achieved;
- 2) IMCCW has completed 1 public outreach campaign as a series of workshops and meetings focused on environmental education in coastal communities.

- 3) IMCCW has completed 1 public outreach campaign, designed by the *Agencia de Publicidad La Clínica* as a public service donation, that used commercial advertising media in the San Salvador urban area to support the ban on sea turtle commercialization.
- 4) In Q4, IMCCW conducted a field survey to measure the impact of the *La Clínica* campaign. The results show that the campaign has had a significant impact in changing attitudes of the public in San Salvador towards recognizing the conservation status of sea turtles, the impact of sea turtle egg consumption on populations of sea turtles, the need and importance of the ban on sea turtle commercialization in protecting sea turtles, and other aspects of sea turtle conservation.
- 5) The report of IMCCW field survey on the impact of the *La Clínica* campaign is being edited and IMCCW will send a copy to USAID and MARN in FY 2011 Q1.
- 6) IMCCW will implement a public outreach campaign in FY 2011 Q1 and Q2 focused on building awareness about the conservation of leatherback sea turtles.

Indicator 31 achievement				
Action		Percentage contribution of action to indicator	Percentage of action achieved	Percentage of indicator achieved
1	Audience and focus of publicity campaign defined	10%	100%	10%
2	TOR and agreement signed with publicity agency	10%	100%	10%
3	Publicity agency develops campaign design, messages, media tools	10%	100%	10%
4	Campaign design reviewed by MARN and USAID	10%	100%	10%
5	MARN and USAID comments incorporated in a revised campaign design	10%	100%	10%
6	Final campaign materials and tools produced	10%	100%	10%
7	Campaign implementation started	10%	100%	10%
8	Campaign impact measured	10%	100%	10%
9	Report on campaign impact prepared	10%	100%	10%
10	Campaign report presented to MARN and USAID	10%	5%	5%
Current status				95%

Indicator 31 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Indicator 32: Clear legislation or regulation that supports sea turtle breeding season bans on turtle egg consumption drafted

Baseline: 0

LOP Target: 1 draft legislation

FY 2010 Q1 status: 25%

FY 2010 Q2 status: 40%

FY 2010 Q3 status: 70%

FY 2010 Q4 status: 100% (1 model municipal ordinance drafted)

Estimated final LOP status: 700%

- 7 municipal ordinances drafted and adopted by the Alcaldías of San Salvador, San Luís Talpa, San Francisco Menéndez, San Luis Herradura, Acajutla, Jiquilisco, and La Libertad.

LOP technical documentation:

- Sea turtle conservation legislation TOR;
- Legal consultant contract;
- MARN and USAID comments on legal consultant report;
- Model municipal ordinances to protect sea turtles;
- Final legal consultant report;
- Documentation of presentation of legislation proposals to appropriate authorities;

Deliverable 32 comments:

- 1) IMCCW considers that this deliverable has been achieved pending USAID and MARN receipt of ordinances as accepted or passed by municipalities;
- 2) IMCCW's legal consultant completed a legal analysis of existing laws that protect sea turtles in El Salvador;
- 3) IMCCW's legal consultant prepared a model municipal ordinances to be used as a pattern for specific municipalities;
- 4) In FY 2011 Q1 IMCCW will work with the Alcaldías of San Salvador, San Luís Talpa, San Francisco Menéndez, San Luis Herradura, Acajutla, Jiquilisco, and La Libertad to modify the model municipal ordinance appropriately to local needs. Once enacted, these ordinances will provide an additional layer of legal protection for sea turtles along 97 km of nesting coastline and will reinforce the national ban on sea turtle commercialization in the San Salvador urban area.

Deliverable 32 achievement				
Action		Percentage contribution of action to deliverable	Percentage of action achieved	Percentage of deliverable achieved
1	Terms of reference written	10%	100%	10%
2	Legal consultant identified and contracted	10%	100%	10%
3	Legal analysis begun	10%	100%	10%
4	Draft report prepared including draft legislation	10%	100%	10%
5	Drafts presented to MARN for comment	10%	100%	10%
6	Drafts revised	10%	100%	10%
7	Final drafts presented to USAID and MARN	20%	50%	10%
8	Drafts presented to appropriate authorities	20%	100%	20%
Current status				90%

Deliverable 20 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												

Indicator 33: Number of people trained from various institutions on sea turtle law enforcement and management

Baseline: 0

LOP target: 150 people (gender disaggregated)

FY 2010 Q1 status: >100%

FY 2010 Q2 status: 465%

FY 2010 Q3 status: 465%

FY 2010 Q4 status: 479%

FY 2010 Q4 status: 607%

Estimated final LOP status: 607%

- 696 (113 women, 583 men) coastal community residents trained in biological and legal aspects of sea turtle conservation and the national ban on sea turtle commercialization.
- 218 (36 women, 182 men) members of law enforcement agencies with jurisdiction over sea turtle and marine resource protection laws trained in biological and legal aspects of sea turtle conservation and the national ban on sea turtle commercialization with a focus on enforcement.

LOP technical documentation:

- Contract with legal consultant to prepare legal analysis of sea turtle protection laws;
- Contract with legal expert to teach law enforcement agencies about sea turtle protection laws;
- El Nuevo Rol del Tortuguero* training materials;
- El Nuevo Rol del Tortuguero* attendance documentation;
- Report on legal analysis of sea turtle protection laws of El Salvador;
- Law enforcement agency training materials;
- Documentation of training events with law enforcement agencies;

Indicator 33 comments:

- 1) IMCCW considers that this indicator has been achieved.
- 2) The trainings to date have included a review and explanation of the existing sea turtle conservation laws and their enforcement including the recent ban on commercialization.
- 3) IMCCW's legal consultant has delivered a comprehensive analysis of sea turtle protection laws in El Salvador.
- 4) In FY 2010 Q4, IMCCW's legal consultant completed a series of trainings specifically for participants from law enforcement and regulatory institutions to explain the laws and how they can be correctly enforced.

Indicator 33 Progress								
	Date	Location	Topic	Female	Male	Total	% of target	Cumulative % of target
1	10-Nov-09	San Blas. La Libertad	Taller de sensibilización: El Nuevo Rol del Tortuguero	5	12	17	11%	11%
2	12-Nov-09	San Diego. La Libertad	Taller de sensibilización: El Nuevo Rol del Tortuguero	16	25	41	27%	38%
3	17-Nov-09	El Zonte - Palmarcito	Taller de sensibilización: El Nuevo Rol del Tortuguero	4	25	29	19%	58%
4	18-Nov-09	El Majahual	Taller de sensibilización: El Nuevo Rol del Tortuguero	0	30	30	20%	78%
5	19-Nov-09	Playa Dorada	Taller de sensibilización: El Nuevo Rol del Tortuguero	3	27	30	20%	98%
6	24-Nov-09	El Espino	Taller de sensibilización: El Nuevo Rol del Tortuguero	2	18	20	13%	111%
7	1-Dec-09	Los Pinos	Taller de sensibilización: El Nuevo Rol del Tortuguero	5	42	47	31%	142%
8	2-Dec-09	Bola de Monte	Taller de sensibilización: El Nuevo Rol del Tortuguero	2	26	28	19%	161%
9	4-Dec-09	Brisas del Mar	Taller de sensibilización: El Nuevo Rol del Tortuguero	4	37	41	27%	188%
10	8-Dec-09	Salamar	Taller de sensibilización: El Nuevo Rol del Tortuguero	5	23	28	19%	207%
11	10-Dec-09	El Pimental	Taller de sensibilización: El Nuevo Rol del Tortuguero	6	10	16	11%	218%
12	15-Dec-09	Amatecampo	Taller de sensibilización: El Nuevo Rol del Tortuguero	3	24	27	18%	236%
13	16-Dec-09	La Sunganera.	Taller de sensibilización: El Nuevo Rol del Tortuguero	11	7	18	12%	248%

Indicator 33 Progress								
	Date	Location	Topic	Female	Male	Total	% of target	Cumulative % of target
14	18-Dec-09	El Amatal	Taller de sensibilización: El Nuevo Rol del Tortuguero	4	29	33	22%	270%
15	7-Jan-10	Boca Poza	Taller de sensibilización El Nuevo Rol del Tortuguero	4	27	31	21%	290%
16	8-Jan-10	Playa Los Blacos (Costa del Sol)	Taller de sensibilización El Nuevo Rol del Tortuguero	0	26	26	17%	308%
17	12-Jan-10	El Icacal	Taller de sensibilización El Nuevo Rol del Tortuguero	4	25	29	19%	327%
18	13-Jan-10	Isla Tasajera/La Colorada	Taller de sensibilización El Nuevo Rol del Tortuguero	8	27	35	23%	350%
19	27-Jan-10	Isla San Sebastián/ La Pirraya	Taller de sensibilización El Nuevo Rol del Tortuguero	3	16	19	13%	363%
20	3-Feb-10	San Juan del Gozo	Taller de sensibilización El Nuevo Rol del Tortuguero	2	31	33	22%	385%
21	17-Feb-10	Playa Maculis	Taller de sensibilización El Nuevo Rol del Tortuguero	2	23	25	17%	402%
22	24-Feb-10	Isla de Méndez	Taller de sensibilización El Nuevo Rol del Tortuguero	11	29	40	27%	428%
23	2-Mar-10	Barra de Santiago	Taller de sensibilización El Nuevo Rol del Tortuguero	1	19	20	13%	441%
24	11-Mar-10	Playa Costa Azul	Taller de sensibilización El Nuevo Rol del Tortuguero	8	26	34	23%	464%
25	22-Sep-10	Puerto La Libertad	Aspectos Biológicos y Legales para la Conservacion de Tortugas Marinas	2	10	12	8%	472%
26	24-Sep-10	Playa de Metalío, Acajutla	Aspectos Biológicos y Legales para la Conservacion de Tortugas Marinas	2	34	38	25%	479%
27	5-Oct-10	Base Naval de la Unión	Aspectos Biológicos y Legales para la Conservacion de Tortugas Marinas	17	34	51	34%	531%
28	5-Oct-10	Base Naval de la Unión	Aspectos Biológicos y Legales para la Conservacion de Tortugas Marinas	17	97	114	76%	607%
			Total	149	765	914		607%

Indicator 34: A public and private hatchery network established with at least 20 ongoing and newly established hatcheries

Baseline: Informal network preexisting

LOP target: 1 private and public hatchery network

FY 2010 Q1 status: 32%

FY 2010 Q2 status: 67.5%

FY 2010 Q3 status: 100% of LOP target of 1 hatchery network, 155% of the LOP target of 20 hatcheries

FY 2010 Q4 status: 100% of LOP target of 1 hatchery network, 170% of the LOP target of 20 hatcheries

Estimated final LOP status: 100% of LOP target of 1 hatchery network, 170% of the LOP target of 20 hatcheries

- 1 hatchery network sharing technical standards
- 34 hatcheries in the hatchery network

LOP technical documentation:

- Documentation of at least 20 sea turtle hatcheries;
- Documentation of hatchery network meetings;
- Documentation of hatchery network coordinating meetings;
- Documentation of hatchery network implementation activities;

Indicator 34 comments:

- 1) IMCCW considers this indicator has been achieved.
- 2) In the 2009 nesting season, 27 hatcheries were active compared to 11 in 2008.
- 3) In 2010, IMCCW is supporting 31 hatcheries and providing technical support to three privately operated hatcheries.

- 4) All hatcheries in the network shared the same operating procedures and technical standards and are linked through regional and national *tortuguero* network.

Indicator 34 achievement				
Action		Percentage contribution of action to indicator	Percentage of action achieved	Percentage of indicator achieved
1	Staff team and leader identified	10%	100%	10%
2	Work plan prepared	10%	100%	10%
3	Role of hatchery network clarified within national sea turtle strategy	10%	100%	10%
4	Field contacts with local organizations initiated	10%	100%	10%
5	Network participants/structure developed through participatory workshops	10%	100%	10%
6	Network administrative and coordinating mechanism established	10%	100%	10%
7	Network coordinating mechanism holds 4 meetings	10%	100%	10%
8	Network workplan/scheduled activities established	10%	100%	10%
9	Network activities implemented	20%	100%	20%
Current status				100%

Indicator 34 timeline												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												

I. FOLLOW-UP ACTIVITIES

LOS CÓBANOS BUOYS

In FY 2009 IMCCW imported and installed four buoys to mark the boundaries of Los Cóbános Marine Protected Area. All four buoys need to be officially transferred to the GOES. Since their installation, one buoy has been damaged and then vandalized and on March 13, 2010 a second one broke free of its moorings.

Buoy No. 1 has been inspected and maintained in place at its original mooring position. It is ready for transfer to the Salvadoran government.

Buoy No. 2 broke free of its mooring chain probably due to corrosion of its shackle. It was retrieved and was brought into the Port of Acajutla for routine maintenance that included scraping it clean of marine organisms and replacing the mooring chain's shackle pin with a more secure bolt. It is now reinstalled in the former location of buoy No. 4. Buoy No. 2 is ready for transfer to the Salvadoran government.

Buoy No. 3 is functioning and is in good physical and mechanical condition. It has been given routine inspection and maintenance that included scraping it clean of marine organisms at its original mooring position. Buoy No. 3 is ready for transfer to the Salvadoran government.

Buoy No. 4's tower was cracked at the base, perhaps by a collision or from being used as a mooring. Later, Buoy No. 4 was vandalized. The signal tower with all its included equipment was sawn off, leaving the hull attached to its mooring chain. Buoy No. 4 is now on land at CEPA facilities at the Port of Acajutla. A new tower and signal equipment from Tideland, the original manufacturer, will cost \$10,000 to purchase and ship to El Salvador via air freight. An alternative is to use an intact, compatible, tower on the CEPA lot in Acajutla owned by CEPA's insurance company. If this tower is available, CEPA will install this replacement tower on the original buoy hull, and install the repaired buoy at the original location of Buoy No. 2. If this tower is not available, USAID/IMCCW will import replacement equipment from Tideland.

USAID/IMCCW expects to transfer Buoys Nos. 1, 2, and 3 to the GOES in FY 2010 Q1. USAID/IMCCW will repair the tower of Buoy No. 4 and CEPA will reinstall it the original location of Buoy No. 2 in FY 2010 Q1. The transfer will to the GOES will occur before USAID/IMCCW ends.

ECOEXPERIENCIAS WEBSITE TRANSFER

USAID/IMCCW sub-contractor EplerWood International developed a tourism marketing website and marketing plan under the brand Ecoexperiencias to benefit Salvadoran tour operators, including those along the coast associated with sea turtle and marine resources management. In FY 2010 Q3 and Q4 EplerWood International led a process that selected Salvadoran Tours as the new owner of EcoExperiencias and then worked with Salvadoran Tours to develop their capacity to make Ecoexperiencias a fully commercial enterprise that, through nature-linked tourism, helps protect the environment and biodiversity, remains associated with local, Ecoexperiencias-linked tour operators, develops a new commercial bulletin and advertising strategy for the website in tune with the social and environmental mission of USAID/IMCCW, and establishes long-term international marketing relationships with Responsibletravel.com and other international market players.

In FY 2011 Q1 EplerWood International will oversee the conclusion of this transfer. EplerWood International will finalize the transfer of all promotional materials from Ecoexperiencias to Salvadorean Tours, coordinate meetings between local tour operators and Salvadorean Tours to develop their business

relationships, conduct a training and capacity building for Salvadoran Tours, and coordinate the final official transfer steps and public launch of the new Ecoexperiencias in coordination with USAID.

J. ADMINISTRATION

INTRODUCTION

The IMCCW administrative team ensures efficient daily management of the project office. It is responsible for financial management, IT and communications support, monitoring and evaluation, data management and project documentation, contracting and procurement, and coordinating meeting reporting obligations. Highlighted activities for the fourth quarter of FY 2010 are mentioned below.

Some personnel changes during this period are: Mauricio Velásquez was hired through FUNZEL as Field Technician, Ana María de Santa María was hired to help enter and manage field data from the sea turtle conservation hatcheries, and Geovani Ardón was hired as a sea turtle egg collection services payment manager.

ACTIVITY SUMMARY

Table 10. FY 2010 Q4 administration activities.

	Objective	Actions taken
1	Financial management	<ol style="list-style-type: none"> 1. Administrative staff prepared FY 2010 Q4 Financial Report; 2. Administration helped prepare a financial pipeline estimate for IMCCW extension until March 31, 2011; 3. Audit staff from an external company conducted a field visit and delivered training to key individuals within the park concerning administrative aspects of financial sustainability of the park 4. On-going coordination between the Administration and technical directors was conducted regarding budget and expenditure rate management 5. The process of scanning all the project documents as a requirement for closedown was started. 6. Support was provided during workshops delivered in the park and on the beaches, and products and advertising items to support tourism campaigns were purchased. 7. Logistical support was provided to the awareness campaign to prevent the consumption of sea turtle eggs. 8. The administrative and accounting support and follow up procedures with the Interior and Treasury ministries destined to turn FUNZEL into a fund-raising entity are ongoing and 75% complete. 9. The authorization of personnel to take care of hatcheries is ongoing. 10. The lease of the guesthouse was cancelled as a requirement for the project's closedown process. 11. The furniture and equipment inventory was reviewed and updated prior to disposal. 12. An agreement has been made with "Banco Agrícola" bank to ensure that the people in charge of making payments for turtle-egg collection services are given preferential treatment when cashing checks.
2	Monitoring and Evaluation; Data management	<ol style="list-style-type: none"> 1. The internal audit of IMCCW until 30 September, 2009 was completed; 2. The follow-up quality analysis of the numbers of sea turtle eggs collected and hatchlings released was reviewed and adjusted. 3. The follow-up data update and re-analysis of sea turtle egg commercialization and value chain were carried out. 4. The second research study on the consumption of turtle eggs in San Salvador was completed. 5. The process of location, repair and re-installation of 2 buoys in the protected natural area of Los Cóbano was monitored. Several meetings were conducted and agreements were made to complete this task.

Objective		Actions taken
3	Staffing and contracting	<ol style="list-style-type: none"> 1. Geovani Ardón was hired to pay for sea-turtle- egg collection services and Ana Maria de Santa María was hired to enter data concerning the numbers of turtle eggs purchased/hatched. 2. There have been meetings with staff prior to the termination of their employment to support the contract –cancellation process.
4	Direct participation in IMCCW project activities	<ol style="list-style-type: none"> 1. Daily administrative and financial operations support to FUNZEL was carried out. 2. Administration was present at meetings with FIAES to establish an alliance to manage the donation funds received from private and public donors. 3. There was active participation in the signing of strategic alliances with various private donors, and control procedures and bank accounts for donated funds were supervised.

STTA VISITS

Dr. Craig MacFarland completed a STTA consultant visit in support of IMCCW from August 16 to September 25.

		August																															
Total Days		T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	ioana Bouvier	0																															
	J Nichols	0																															
	Fabien Cousteau	0																															
	Larry Lechner	0																															
	Craig MacFarland	0																															
	Eric Stonaker	0																															

		August																															
Total Days		S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	
	ioana Bouvier	0																															
	J Nichols	0																															
	Fabien Cousteau	0																															
	Larry Lechner	0																															
	Craig MacFarland	14														1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	
	Eric Stonaker	0																															

		September																														
Total Days		W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
	ioana Bouvier	0																														
	J Nichols	0																														
	Fabien Cousteau	0																														
	Larry Lechner	0																														
	Craig MacFarland	22	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Eric Stonaker	0																														

K. REFERENCES

1. IMCCW 2009a. Annual Report FY 2009 (October 2008 to September 2009) USAID Improved Management and Conservation of Critical Watersheds. IMCCW Project Document.
2. IMCCW 2009b. Annual Work Plan FY 2010 (October 2009 to September 2010) USAID Improved Management and Conservation of Critical Watersheds. IMCCW Project Document.

L. FINANCIAL REPORT

IMCCW provides USAID a FY 2010 Q4 and FY 2010 annual financial reports under a separate cover.