

**Turtle Island Wildlife Sanctuary information requirements for
inclusion in CTMPAs Categories 3 or 4¹**

CTMPAS NOMINATION FORM

| Part 1. Data Attributes in the CT Atlas and Core (Minimum) Data Requirements | | |
|---|-------------------------------------|--|
| | Attributes | Response |
| 1. | CT Atlas ID # | 4001100 |
| 1.1. | Country^b | Philippines |
| 1.2. | Longitude^b | 118.17 |
| 1.3. | Latitude^b | 6.17 |
| 1.4. | Name^b | Turtle Islands Wildlife Sanctuary |
| 1.5. | Designation^b | National Integrated Protected Area System (NIPAS) –Wildlife Sanctuary |
| 1.6. | Legal/Formal Instrument | National Integrated Protected Area System, Presidential Proclamation No. 171, Series of 1999 (see www.gov.ph/proclamation-no-171-s-1999) |
| 1.7. | Designation Type^b | National and International (bi-lateral agreement). |
| 1.8. | Domain^b | Marine-Terrestrial |
| 1.9. | Status^b | Designated |

| | | |
|-------|---|---|
| 1.10. | Date Established^b | Presidential Proclamation No. 171, 26/08/1999 Philippine-Malaysian MOA-TIHPA, 31/05/1996 |
| 1.11. | Reported area^b (ha) | 242,967 |
| 1.12. | Total marine area^b (ha) | 242,659 |
| 1.13. | Management Plan^b | Yes |
| 1.14. | IUCN Management Category | Category IV |
| 1.15. | International Convention | Bilateral agreement between the Governments of the Philippines and Malaysia on the Establishment of the Turtle Islands Heritage Protected Area (TIHPA) (see http://www.gov.ph/1996/05/31/the-philippine-claim-to-a-portion-of-north-borneo-memorandum-of-agreement-between-the-government-of-the-republic-of-the-philippines-and-the-government-of-malaysia-on-the-establishment-of-the-turtle-i/) |
| 1.16. | Administrative unit level-1 | Note: This is different from what is in the CT Atlas which is the location of the MPA. Administrative unit level: National but most of the members of the Protected Area Management Board (PAMB) of the TIWS are local (ARMM) agencies. The Protected Area Superintendent Office which administers the day to day activities is headed by the PA Superintendent employed by the DENR Regional Office of Region 9. State/Province/District: Tawi-Tawi |
| 1.17. | Zonation | Yes, PAMB approved Management Plan |
| 1.18. | No Take | Part |
| 1.19. | Reported No Take Area (ha) | There are six islands in TIWS. Baguan Island which is one the islands of TIWS is designated as a strict protection zone (29 ha land area) including its marine area of 500 m from the lowest tide. Other areas are also identified as strict protection zones but not yet totally measured. (see Management Plan: “Baguan and its coral reefs are under the Strict Protection Zone. Other coral reefs to be identified thru consultation will be also under Strict Protection Zone.”) |
| 1.20. | Management Effectiveness Model | Management Effectiveness Assessment Tool |

| | | |
|-------|---------------------------------|--|
| 1.21. | Management Effectiveness Rating | Level 1 - 57% (source:Dizon EC, Geronimo R, Quicho R Jr. 2013. Benchmarking the management effectiveness of nationally-managed marine protected areas in the Philippines and policy recommendations. Final Report for USAID Coral Triangle Support Partnership and Conservation International – Philippines, September 2013. http://www.coraltriangleinitiative.org/sites/default/files/resources/58_Benchmarking%20the%20Management%20Effectiveness%20of%20Nationally-Managed%20Marine%20Protected%20Areas%20in%20the%20Philippines%20with%20Policy%20Recommendations_Final%20Report.pdf) |
| 1.22. | Source | Minda Bairula, Protected Area Superintendent, Turtle Islands Wildlife Sanctuary Telephone +60128426525 and Renato Cruz, Biodiversity Management Bureau |
| 1.23. | Validated | No. The validation is scheduled this year. |
| 1.24. | Consent to display and share | Yes |
| 1.25. | Notes | |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response |
|--------|--|--|
| 2.1. | Site forms a network (or an equivalent) | <p>TIWS is one of the key elements of the Tri-national Sea Turtle Network of Protected Areas in the Sulu-Sulawesi Marine Ecoregion http://www.conservation.org/global/philippines/publications/Pages/Network%20of%20Protected%20Areas%20for%20Marine%20Turtles%20in%20the%20SSS.aspx It is also a candidate site of the Indian Ocean and Southeast Asia Marine Turtle Sites of Importance (ioseaturtles.org)</p> |
| 2.2. | Site targets an identified regional priority area, habitat or species | <p>TIWS is a Key Biodiversity Area (Ambal, R. G. R., Duya, M. V., Cruz, M. A., Coroza, O. G., Vergara, S. G., De Silva, N., ... & Tabaranza, B. 2012. Key Biodiversity Areas in the Philippines: Priorities for Conservation. Journal of Threatened Taxa, 4(8).) TIHPA (TIWS and Sabah Turtle Islands) whose nesting green turtles (<i>Cheloniemydas</i>) are genetically proven to have only one distinct nesting population is one of the two remaining major nesting marine turtle rookery in the southeast asia region. It is the 11th major nesting population in the world. The area produces 1 million to 2 million eggs per year. (Management Plan and www.ioseaturtles.org On Line Reporting Facility, Philippines: IOSEA Data Sheet Turtle Islands)</p> |
| 2.3. | Site adheres to at least two of the following ecological design criteria: | <p><input type="checkbox"/> Representation <input checked="" type="checkbox"/> Replication <input checked="" type="checkbox"/> Resilience <input checked="" type="checkbox"/> Connectivity <input checked="" type="checkbox"/> Critical areas</p> |
| 2.3.1. | Representation | <ul style="list-style-type: none"> • 75 to 128 fish species • 34 avian species including Tabon scrubfowl (<i>Megapodiuscumingii</i>) • Fair coral cover belonging to 24 - 27 genera dominated by <i>Acropora</i> • Plant diversity is 200 terrestrial species identified, 12 mangrove species and 19 species of ferns • Mammal species is only large fruit bat • Reptile: monitor lizard (<i>Varanussalvator</i>), nesting hawksbill (<i>Eretmochelysimbricata</i>) and olive ridley turtles, dominated by nesting green turtles (1 million to 2 million eggs per year) <p>(Management Plan)</p> |
| 2.3.2. | Replication | <p>Replication is provided by management being done in 2 countries (Philippines and Malaysia) which share one distinct nesting population.</p> |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-----------------------|--|------|-----------------------|------|-------|------|-------|------|--------|------|-------|------|-------|------|--------|------|-------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|-------|------|--------|------|--------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2.3.3. | Resilience | <p>In the 1950 to 1960, all turtle eggs in TIWS were collected, bided and traded. Even before this time, during the Japanese occupation, anecdotally most of the nesting turtles were slaughtered for food. It was extrapolated that more than 80% decline in nesting frequency compared to 1950 and 1960 data. However, because of the national government intervention in regulating the collection of turtle eggs and resilience of the turtle population, the population is now in a stable population state and increasing even in the face of global climate change (e.g. warming event in 1997-1998).</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">No. of Complete Nests in TIWS from 1984-2007</p> <table border="1" style="display: none;"> <caption>Data for No. of Complete Nests in TIWS from 1984-2007</caption> <thead> <tr> <th>Year</th> <th>No. of Complete Nests</th> </tr> </thead> <tbody> <tr><td>1984</td><td>7,000</td></tr> <tr><td>1985</td><td>8,000</td></tr> <tr><td>1986</td><td>12,000</td></tr> <tr><td>1987</td><td>8,000</td></tr> <tr><td>1988</td><td>8,500</td></tr> <tr><td>1989</td><td>12,500</td></tr> <tr><td>1990</td><td>8,000</td></tr> <tr><td>1991</td><td>17,000</td></tr> <tr><td>1992</td><td>11,500</td></tr> <tr><td>1993</td><td>14,500</td></tr> <tr><td>1994</td><td>14,500</td></tr> <tr><td>1995</td><td>22,000</td></tr> <tr><td>1996</td><td>14,000</td></tr> <tr><td>1997</td><td>18,500</td></tr> <tr><td>1998</td><td>11,500</td></tr> <tr><td>1999</td><td>18,500</td></tr> <tr><td>2000</td><td>11,500</td></tr> <tr><td>2001</td><td>12,000</td></tr> <tr><td>2002</td><td>12,000</td></tr> <tr><td>2003</td><td>12,500</td></tr> <tr><td>2004</td><td>16,500</td></tr> <tr><td>2005</td><td>9,500</td></tr> <tr><td>2006</td><td>11,500</td></tr> <tr><td>2007</td><td>11,500</td></tr> </tbody> </table> </div> <p>(Management Plan 2008)</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">No. of Complete Nests in TIWS 2007-2013</p> <table border="1" style="display: none;"> <caption>Data for No. of Complete Nests in TIWS 2007-2013</caption> <thead> <tr> <th>Year</th> <th>Complete Nests</th> </tr> </thead> <tbody> <tr><td>2007</td><td>11,5</td></tr> <tr><td>2008</td><td>12,8</td></tr> <tr><td>2009</td><td>16,6</td></tr> <tr><td>2010</td><td>14,0</td></tr> <tr><td>2011</td><td>20,2</td></tr> <tr><td>2012</td><td>21,7</td></tr> <tr><td>2013</td><td>17,2</td></tr> </tbody> </table> </div> <p>(Pawikan Conservation Project-BMB)</p> | Year | No. of Complete Nests | 1984 | 7,000 | 1985 | 8,000 | 1986 | 12,000 | 1987 | 8,000 | 1988 | 8,500 | 1989 | 12,500 | 1990 | 8,000 | 1991 | 17,000 | 1992 | 11,500 | 1993 | 14,500 | 1994 | 14,500 | 1995 | 22,000 | 1996 | 14,000 | 1997 | 18,500 | 1998 | 11,500 | 1999 | 18,500 | 2000 | 11,500 | 2001 | 12,000 | 2002 | 12,000 | 2003 | 12,500 | 2004 | 16,500 | 2005 | 9,500 | 2006 | 11,500 | 2007 | 11,500 | Year | Complete Nests | 2007 | 11,5 | 2008 | 12,8 | 2009 | 16,6 | 2010 | 14,0 | 2011 | 20,2 | 2012 | 21,7 | 2013 | 17,2 |
| Year | No. of Complete Nests | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | 7,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1985 | 8,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986 | 12,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987 | 8,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1988 | 8,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1989 | 12,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1990 | 8,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1991 | 17,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1992 | 11,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1993 | 14,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1994 | 14,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1995 | 22,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1996 | 14,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1997 | 18,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1998 | 11,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1999 | 18,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 11,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2001 | 12,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2002 | 12,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2003 | 12,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2004 | 16,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2005 | 9,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2006 | 11,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 | 11,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year | Complete Nests | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 | 11,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2008 | 12,8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2009 | 16,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2010 | 14,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2011 | 20,2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2012 | 21,7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2013 | 17,2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response |
|--------|--|--|
| 2.3.4. | Connectivity | TIWS is a primary nesting site which has been determined to be linked to developmental and foraging habitats in a network informed by research on turtle movements. http://www.conservation.org/global/philippines/publications/Pages/Network%20of%20Protected%20Areas%20for%20Marine%20Turtles%20in%20the%20SSS.aspx |
| 2.3.5. | Critical areas protected | TIWS is a very important nesting area for green turtles. It is one of the two remaining major nesting grounds for marine turtles in the Southeast Asia region and the 11 th major marine turtle nesting rookery in the world. (Management Plan and www.ioseaturtles.org On Line Reporting Facility, Philippines: IOSEA Data Sheet Turtle Islands) |
| 2.4. | Site achieves a threshold level of management effectiveness | Management Effectiveness Assessment Tool Level 1 - 57% (Dizon EC, Geronimo R, Quicho R Jr. 2013. Benchmarking the management effectiveness of nationally-managed marine protected areas in the Philippines and policy recommendations. Final Report for USAID Coral Triangle Support Partnership and Conservation International – Philippines, September 2013. http://www.coraltriangleinitiative.org/sites/default/files/resources/58_Benchmarking%20the%20Management%20Effectiveness%20of%20Nationally-Managed%20Marine%20Protected%20Areas%20in%20the%20Philippines%20with%20Policy%20Recommendations_Final%20Report.pdf) |
| 2.4.1. | Formal or legal basis for establishment | National Integrated Protected Area System, Presidential Proclamation No. 171, Series of 1999 (see http://www.gov.ph/1999/08/26/proclamation-no-171-s-1999/) |
| 2.4.2. | Management body established and functioning | The Turtle Islands Wildlife Sanctuary - Protected Area Management Board (TIWS-PAMB) is composed of 7 members. More than 10 TIWS-PAMB and its Executive Committee meetings conducted since its formal establishment in 1999 and sub-meetings were conducted by the PASu in TIWS. It has been agreed that all meetings be conducted in TIWS for better participation of the community. |
| 2.4.3. | Management and/or zoning plan approved and implemented | In the approved Management Plan, strict protection, multiple-use, recreational and habitat management zones were identified. Baguan Island was designated as a Strict Protection Zone. It is the only island that has no community. Staffing plan is not yet fully operationalized due to lack of funds. Only personnel shouldered by the PAWB-Pawikan Conservation Project and DENR Regional Office are employed. (see attached Management Plan) Establishment of Fish Sanctuaries in 5 islands with coordinates as provided by the Management Plan. However, these sanctuaries should have more consultations with the community to be effectively implemented. |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response |
|--------|--|--|
| 2.4.4. | Resource and socio-economic baseline assessment completed | <p>NIPAS baseline assessment in 1991.</p> <p>In 1996-1997, WWF Philippines had Turtle Islands Integrated Conservation and Development Project. The project include: Environment and Ecological Status; Social and Institutional Assessment (see Cola 1998 attached); and Water Resource Assessment. (WWF-P: Turtle Islands Integrated Conservation and Development Project, 1998)</p> <p>WWF also conducted a Turtle Islands Health and Nutrition Appraisal in 2001-2002 (see attached).</p> <p>The results of the socio-economic, bio-physical and governanceassessment is part of the Management Plan</p> |
| 2.4.5. | Site conducts regular biophysical and socioeconomic monitoring and analysis of results | <p>Monitoring of nestings of marine turtle is done almost everyday by the PASU. Coral reef trends published in Chapter 36 of Philippine Coral Reefs Through Time.</p> <p>WWF has done socioeconomic monitoring. Conducted biophysical and socioeconomic monitoring on May 2012. Results were incorporated in the Management Plan.</p> |
| 2.4.6. | Site conducts Information, Education, Communication (IEC), awareness programs | <p>A knowledge-attitudes-practices survey was conducted in 1998 (summary of results in Management Plan 2008). There is an IEC Framework Plan crafted in collaboration with WWF Philippines. (see attached IDCP Framework Plan)</p> <p>IEC campaigns include campaigns in schoolsand putting up of signages regarding the importance of the sanctuary and the activities that are prohibited in the area (e.g. mural paintings)</p> <p>Dialogues and consultations with the political and community leaders as well as the community are frequently held:Regularly during the WWF Project (2000-2005) and CI Philippines project 2007-2011. There havebeen <u>n</u>quantified changes in knowledge-attitudes-practices monitored through time</p> |
| 2.4.7. | Site conducts effective enforcement | <p>In Baguan Island, regular patrolling is undertaken in collaboration with the Philippine Coast Guard and Philippine Marines. Actual expenses that include boat rental for transporting military personnel from Taganak Island to Baguan Island are shouldered by Conservation International Philippines. Also see attached enforcement plan.</p> <p>From 2010 to 2012, the TIWS has a Law Enforcement Unit in Baguan composed of 2 to 4 personnel from the Philippine Coast Guard and Philippine Marines in coordination with the LGU. At present the Law Enforcement Unit, together with the LGU, conduct regular monitoring and sea patrolling every quarter.</p> <p>Establishment of Law Enforcement Center in Taganakin 2013 to strengthen Enforcement and Monitoring/Protection</p> |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response | | | | | | | | | | | | | | |
|--|---|---|---------|----------------------|---------------------|---|------------------------|-----------------------------|-----------------|----------------------------------|-------------------------------|------------------------|-------------------|-----------------------------|--|-----------------------|
| | | <p>Establishment of Bureau of Immigration Satellite Office in Taganak</p> <p>One major arrest of a Chinese vessel loaded with sea turtles in 2007. Other cases were arrest of “tampasaks” or shrimp trawlers by joint patrol by Malaysia-Philippines.</p> | | | | | | | | | | | | | | |
| 2.4.8. | Multi-stakeholder involvement and participation in management | <p>Various agencies are identified to take part in different management programs as stated in the Management Plan:</p> <table border="1"> <thead> <tr> <th>Program</th> <th>Responsible Agencies</th> </tr> </thead> <tbody> <tr> <td>Capability-building</td> <td>Office of the Protected Area Superintendent (OPASu), PAMB, DENR, Bureau of Fisheries and Aquatic Resources (BFAR), ARMM Government, LGU, NGOs</td> </tr> <tr> <td>Alternative livelihood</td> <td>DENR, PAMB, LGU, NGOs, ARMM</td> </tr> <tr> <td>Research agenda</td> <td>DENR, DERN-ARMM, PAMB, LGU, NGOs</td> </tr> <tr> <td>Rehabilitation and protection</td> <td>OPASu, LGU, PAMB, NGOs</td> </tr> <tr> <td>Management zoning</td> <td>DENR, PAMB, LGU, BFAR, NGOs</td> </tr> <tr> <td>Population census, carrying capacity determination</td> <td>DENR, PAMB, LGU, NGOs</td> </tr> </tbody> </table> | Program | Responsible Agencies | Capability-building | Office of the Protected Area Superintendent (OPASu), PAMB, DENR, Bureau of Fisheries and Aquatic Resources (BFAR), ARMM Government, LGU, NGOs | Alternative livelihood | DENR, PAMB, LGU, NGOs, ARMM | Research agenda | DENR, DERN-ARMM, PAMB, LGU, NGOs | Rehabilitation and protection | OPASu, LGU, PAMB, NGOs | Management zoning | DENR, PAMB, LGU, BFAR, NGOs | Population census, carrying capacity determination | DENR, PAMB, LGU, NGOs |
| Program | Responsible Agencies | | | | | | | | | | | | | | | |
| Capability-building | Office of the Protected Area Superintendent (OPASu), PAMB, DENR, Bureau of Fisheries and Aquatic Resources (BFAR), ARMM Government, LGU, NGOs | | | | | | | | | | | | | | | |
| Alternative livelihood | DENR, PAMB, LGU, NGOs, ARMM | | | | | | | | | | | | | | | |
| Research agenda | DENR, DERN-ARMM, PAMB, LGU, NGOs | | | | | | | | | | | | | | | |
| Rehabilitation and protection | OPASu, LGU, PAMB, NGOs | | | | | | | | | | | | | | | |
| Management zoning | DENR, PAMB, LGU, BFAR, NGOs | | | | | | | | | | | | | | | |
| Population census, carrying capacity determination | DENR, PAMB, LGU, NGOs | | | | | | | | | | | | | | | |
| 2.4.9. | Increased livelihood opportunities | <p>WWF Philippines has introduced livelihood project for 3 years (2002-2005) in TIWS. The livelihood project involved small loans to Taganak Island residents to augment the purchase of items such as boat engine and sewing machines.</p> <p>Involvement of women’s group in handicraft making, pastries cooking and small convenience (sari-sari) stores.</p> <p>Fish aggregate devices provided by BFAR-ARMM.</p> | | | | | | | | | | | | | | |

Part 2. Information Requirements Showing Regional Significance of Sites Nominated for Category 3 or 4^c

| | Attributes | Response |
|---------|--------------------------|---|
| | | <p>More fishermen use fish traps as provided by BFAR-ARMM</p> <p>Environmental conditional cash transfers provided by Conservation International Philippines.</p> |
| 2.4.10. | Research and development | <p>Regular monitoring of marine turtle nesting</p> <p>Results of the biophysical assessment in 2012 were incorporated in the management plan. Establishment of Strict Protection Zones in the other islands is one of the results of the 2012 assessment (see above).</p> <p>Adaptive hatchery management for climate change mitigation</p> |

Part 3. Nominating Authority

| | Attributes | Endorsement | Explanatory notes |
|------|--|--|--|
| 3.1. | Endorsement of CTI Country Focal Point | <p>Dr. Theresa Mundita S. Lim, Director Biodiversity Management Bureau Department of Environment and Natural Resources Ninoy Aquino Parks and Wildlife Center North Avenue, Diliman 1101, Quezon City Philippines Tel. +63-2-9246031, Email planning@pawb.gov.ph</p> | <p>Please provide name, signature and date as well as name of organization, full address and contact information</p> |

¹ This form is developed to assist countries in nominating their CTMPAS sites in response to the criteria set out in the CTMPAS Framework and Action Plan as explained in Annex 3, page 63 in the CTMPAS Framework document.

^b Core (minimum) attributes required for an MPA to be included as a recognized CTMPAS site (Category 1 or higher).

^c This form is intended to guide the countries in submitting their information. Not every site or country will be able to fill in all the categories of information but if information is lacking, a simple assessment, summary or explanation will help guide the CTMPAS Advisory Committee.