

YASMÍN ODETTE NELISA QUINTANA MORALES, M.S.

E-mail: quintana.yasmin@gmail.com

EDUCATION

PhD. student in Wildlife and Fisheries Sciences. (Current). Texas A&M University.

M.S. in Interdisciplinary Ecology. Concentration: Fisheries and Aquatic Sciences. 2015. School of Natural Resources and Environment / Department of Fisheries and Aquatic Sciences. University of Florida. Thesis title: "Assessment of the artisanal giant cichlid (*Petenia Splendida*) fishery in Lake Petén Itzá, Guatemala".

B.S. Biology. 2007. School of Biology. Universidad de San Carlos de Guatemala. Thesis title: Dissertation title: Comparison of the ichthyofauna associated to red mangrove roots: Reserva Natural de usos multiples Monterrico and Manchon Guamuchal, during dry and rainy season".

PROFESSIONAL APPOINTMENTS

Biological Scientist
Department of Fisheries and Aquatic Sciences
School of Forest Resources and Conservation
Nature Coast Biological Station
University of Florida 2015-2016

Project Director- Guatemala
Bi-National Project Guatemala-Mexico Phase I and Phase II:
"Analysis of the ichthyological composition and artisanal fisheries in the
Northern Guatemalan basins"
El Colegio de la Frontera Sur, México – ONCA, Guatemala 2015-2016

Graduate/Research Assistant
School of Natural Resources and Environment/
Department of Fisheries and Aquatic Sciences
University of Florida 2013-2015
Advisor: Micheal Allen

Wildlife Director
National Council of Protected Areas, Guatemala
-National Focal Point Global Taxonomy Initiative (GTI) - Convention on
Biological Diversity (CDB)
-Scientific Authority - Convention on International Trade in Endangered
Species of Wild Fauna and Flora (CITES) 2013

Biological Scientist
Area: Biodiversity and Coastal Marine Management
Biodiversity Technical Office
National Council of Protected Areas, Guatemala

- Scientific working group designed to create the Biological Diversity National Strategy and Action Plan (2012-2022)
 - Coordinator for the design and analysis of Guatemalan Ecologically or Biologically Significant Marine Areas (EBSAs)
 - Interinstitutional Scientific working group in the project “Conservation and Sustainable Use of the biodiversity in Coastal Marine protected Areas” funded by the Global Environment Facility
- 2012

Associated Researcher and Research Coordinator on Research projects on ichthyology, aquatic ecology and wildlife
 Centro de Estudios Conservacionistas -CECON-
 Centro de Estudios del Mar y Acuicultura -CEMA-
 Universidad de San Carlos de Guatemala

2009-present

Principal Investigator, Project Manager and Board Member
 National Organization for the Conservation and the Environment-ONCA-

2007-2013

Research Assistant/ Project: “Fish abundance and community composition in native and non-native littoral aquatic plants at lake Izabal, Guatemala.
 Fisheries and Aquatic Sciences, University of Florida

2004

CONSULTANT

Wildlife Conservation Society
 Project: Creating an artisanal fishing database in Rio Campo, Punta Illende and Playa Nendyi, in Equatorial Guinea, Africa.

2016

Sustainable Management of Lake Atitlan Authority (AMSCLAE)
 Project: Water quality in Lake Atitlán: Historical data

2012-2013

GEOAMBIENTE
 Environmental Diagnostic: Biotic description from the Oil Company Concession area, Laguna del Tigre, Petén, Guatemala.

2011

AWARDS AND HONORS

Russell E. Training Fellowship, WWF

2016

Outstanding Master’s Student of the Year. Fisheries and Aquatic Sciences, UF

2016

Best poster presentation. Graduate Student Symposium, School of Forest Resources and Conservation, UF

2015

Travel Grant. Tropical Conservation and Development Program Research Grant and Tinker Foundation.

2014

Student travel Grant for the FAFS annual meeting. Florida Chapter-American

Fisheries Society (FAFS).	2014
Graduate Assistantship, School of Natural Resources and Environment. University of Florida.	2013
Scholarship recipient CYTED workshop. RED 406RT0285/	2007

PUBLICATIONS

Quintana, Y., C. Barrientos and M. Allen (*in press*). A tagging – mortality study in a Small-Scale fishery, Lake Petén Itzá, Guatemala.

Skaggs, J., **Y. Quintana**, S. L. Shaw, M. S. Allen and N. A. Trippel. 2017. Effects of Common Angler Handling Techniques on Florida Bass Behavior, Feeding and Survival. *North American Journal of Fisheries Management.* 37:2, 263-270.
<http://dx.doi.org/10.1080/02755947.2016.1249317>

Quintana, Y. 2015. Assessment of the artisanal giant cichlid (*Petenia splendida*) fishery in Lake Petén Itzá, Guatemala. Master Thesis. University of Florida.
https://www.researchgate.net/publication/295290655_Assessment_of_the_artisanal_giant_cichlid_Petenia_splendida_fishery_in_Lake_Peten_Itza_Guatemala

Barrientos, C., Elías D., and **Y. Quintana**. 2015. Fishes from Lake Yaxhá, Mayan Biosphere Reserve, Petén, Guatemala. *Check List:* 11:1751 <http://www.biotaxa.org/cl/article/view/11.5.1751/0>

Barrientos C., **Y. Quintana** y D. Elías. 2015. Aplicación de transectos de electrificación y marcaje para mejorar políticas de manejo y aprovechamiento pesquero en el Lago Peten Itzá. Fondo Nacional de Ciencia y Tecnología, Centro de Estudios Conservacionistas. FODECYT 29-2012.

Barrientos, C. y **Y. Quintana**. 2012. Crecimiento y fecundidad del pez blanco en el lago Petén Itzá. 2do. Simposio Internacional de Investigación Multidisciplinaria. USAC-UJAT: 168-174.
https://www.academia.edu/11267649/CRECIMIENTO_Y_FECUNDIDAD_DEL_PEZ_BLANCO_EN_EL_LAGO_PET%C3%89N_ITZ%C3%81

Quintana, Y. y C. Barrientos. Invasiones recientes de peces exóticos en la RBM, implicaciones para peces nativos de Petén. 2do. Simposio Internacional de investigación Multidisciplinaria. USAC-UJAT: 175-180.
https://www.academia.edu/4444270/INVASIONES_RECIENTES_DE_PECES_EX%C3%93TICOS_EN_LA_RBM_IMPLICACIONES_PARA_PECES_NATIVOS_DE_PETEN. pag. 175-180

Barrientos C. and **Y. Quintana**. 2012. Impact assessment of Nonnative fishes species in Lake Atitlan, Lake Izabal and Lake Petén Itza, and habitat characterization. Final Report FODECYT Project 9-2009. CONCYT; CECON.

Juárez D., **Y. Quintana** and J. Morales. 2008 “Morphometric differences estimation on white turtle (*Dermatemys mawii*) over their distribution”. Final Report. ONCA; CONCYT, USAC.

Quintana Y. 2007. "Comparison of the ichthyofauna associated to red mangrove roots in the Reserva Natural de Usos Múltiples Monterrico and Manchón Guamuchal, during dry and rainy seasons". B.S. Thesis. Universidad de San Carlos de Guatemala. 69 pp. http://biblioteca.usac.edu.gt/tesis/06/06_2610.pdf

BOOKS AND CHAPTERS

Quintana, Y., Barrientos, C. and D. Elías. 2016. Colección ictiológica del Museo de Historia Natural de la Universidad de San Carlos de Guatemala. En Colecciones Ictiológicas de Latinoamérica. Ed. Del Moral, L., Ramírez, A., Martínez, J., Acosta, A., y J. López. Universidad Nacional Autónoma de México, Facultad de Estudios Superiores Iztacola, Sociedad Ictiológica Mexicana, A. C.

CONAP. 2013. Política Nacional de Diversidad Biológica (Acuerdo Gubernativo 220 -2011) Estrategia Nacional de Diversidad Biológica y su Plan de Acción (Resolución 01-16-2012) La Década de la Vida y el Desarrollo 112pp. Políticas, Programas y Proyectos No. 03 (01-2013) http://www.conap.gob.gt/phocadownload/Centro_Documentacion/diversidad_biologica/pndb-endb-2010-22.pdf

CONAP. 2012. Estrategia Nacional de Diversidad Biológica y Plan de Acción 2012-2022. Consejo Nacional de Áreas Protegidas. 64pp. Documento Técnico No. 105 (01-2012). http://thereddesk.org/sites/default/files/estrategia-nacional-de-diversidad-biologica-y-plan-de-accion-version-hconap_1.pdf

Juárez D., C. Estrada, M. Bustamante, **Y. Quintana**, J. Moreira and L. J. López. 2011. "Illustrated guide to identify Guatemalan medium and large mammals". Dirección General de Investigación. Universidad de San Carlos de Guatemala. https://www.academia.edu/318891/Gu%C3%ADa_illustrada_de_pelos_para_la_identificaci%C3%B3n_de_mam%C3%ADferos_medianos_y_mayores_de_Guatemala

Quintana Y. and C. Barrientos. 2011. Pesca artesanal en el Parque Nacional Río Dulce. FONACON; CONAP; ONCA. DOI: 10.13140/RG.2.1.1483.7527 https://www.researchgate.net/publication/294609632_Pesca_artesanal_en_el_Parque_Nacional_Rio_Dulce?ev=prf_pub

GRANT PROPOSALS FUNDED

The Conservation Fund. Florida. Integrative assessment of spotted seatrout management to provide economic growth in the Big Bend. Co-Author. PI's: M. Allen. Co-authors: H. Harris, G. Scholtent \$20,000.00. 2015

National Council of Science and Technology, Guatemala. Electrofishing and tag-reward studies to improve management policies and sustainable harvest in Lake Petén Itzá fisheries. Co-PI. PI: Christian Barrientos \$35,580.00 2012

FONACON. Importance of the Río Dulce National Park Fishery: Economic value and management strategies. PI. \$38,000.00 2010- 2011

National Council of Science and Technology, Guatemala. Distribution and conservation status of the river otter (*Lontra longicaudis*, Olfers 1818) in the Guatemalan Protected

Areas System. Co-PI. PI: Diego Juarez \$40,000.00 2009

National Council of Science and Technology, Guatemala. Illustrated guide to identify Guatemalan medium and large mammals through their hair, and how to use it. Co-Author
PI: Diego Juarez\$ 8,200.00 2009

COURSES TAUGHT

Applied Ichthyology
Biology Department
Universidad de San Carlos de Guatemala
Ad honorem Professor 2016

Limnology - Bachelor level course
Biology Department
Universidad San Carlos de Guatemala
Ad honorem Professor 2012

Vertebrates - Zoology Bachelor level course
Biology Department
Universidad San Carlos de Guatemala
Adjunct Professor 2011

Biology
Teaching Assistant
Aquaculture and Marine Studies Center
Universidad San Carlos de Guatemala 2004

High School and Middle School Teacher
Biology, Physic, Chemistry, Natural Sciences
Middle School and College
Colegio Evelyn Roger 2004-2007

LANGUAGES

Spanish: Native
English: Fluent (speaking, reading, writing)

INTERNATIONAL EXPERIENCE

Consultant
“Creating an artisanal fishing database in Rio Campo, Punta Ilende, and Playa Nendyi”
In Equatoria Guinea, Africa.
Wildlife Conservation Sosciety. 2016

Coordinator for the Bi-National Project
“Analysis of the ichthyological composition and artisanal fisheries

in the northern Guatemalan basins” El Colegio de la Frontera Sur, México – ONCA, Guatemala	2015
Biological Scientist. Department of Fisheries and Aquatic Sciences. University of Florida.	2015
Graduate Student, School of Natural Resources and Environment. University of Florida	2013-2015
Visiting Scientist. Museum of Natural Science. University of Louisiana	2013
Visiting Scientist. Wildlife Conservation Management Unit. Dermatmys mawii . Nacajuca, Tabasco, México	2007

INVITED PRESENTATIONS

Distinguished Invited Speaker, Centro de Estudios Del Mar y Acuicultura, Universidad de San Carlos de Guatemala.	2011
Invited Lecturer. School of Biology. Universidad de San Carlos de Guatemala.	2010
Invited Instructor. Training for natural resources conservation in the Caribbean of Guatemala. Foundation for Eco-development and conservation	2008

CONFERENCES AND PRESENTATIONS

- Quintana, Y.** and C. Barrientos. 2017. Fish assemblages associated with macrophyte patches in lakes of Guatemala. ASIH. Poster.
- Rodiles-Hernandez, R., C Barrientos, M. Soria, **Y. Quintana**, A. Gonzalez. 2017. Peces neotropicales en la Cuenca del Rio Usumacinta. XXII Encontro Brasileiro de Ictiologia.
- Quintana, Y** and C. Barrientos. 2017. Dynamics of an artisanal fishery in Río Dulce National Park, Guatemala. AFS, Texas Chapter. Poster.
- Quintana, Y.**, M.S. Allen and C. Barrientos. 2015. “Assessment of the artisanal giant cichlid (*Petenia Splendida*) fishery in Lake Petén Itzá, Guatemala”. Southern Division AFS Spring Meeting 2015. Talk.
- Quintana, Y.** 2012. Dieta del pez blanco: cambios ontogénicos y análisis temporal. 2do. Simposio Latinoamericano de Ictiología. Talk.
- Quintana, Y.** y C. Barrientos. 2012. “Invasiones recientes de peces exóticos en la RBM, implicaciones para peces nativos de Petén”. 2do. Simposium Internacional de investigación Multidisciplinaria. USAC-UJAT. Talk.
- Barrientos, C. y **Y. Quintana**. 2012. Crecimiento y fecundidad del pez blanco en el lago Petén Itzá. 2do. Simposium Internacional de Investigación Multidisciplinaria. USAC-UJAT. Talk.

Quintana, Y. y C. Barrientos. 2012. Caracterización temporal de la pesca artesanal en Río Dulce, Izabal, Guatemala. XIII Congreso Nacional de Ictiología y 1er Simposio Latinoamericano de Ictiología. Talk.

Quintana Y. y C. Barrientos. 2012. Asociaciones de peces en la zona litoral de Río Dulce, Izabal, Guatemala, una comparación temporal. Congreso Nacional de Ictiología y 1er Simposio Latinoamericano de Ictiología. Talk.

Barrientos, C. y **Y. Quintana**. 2012. Temporalidad de dieta y reproducción de la especie exótica lobina negra (*Micropterus salmoides*) en Atitlán, Guatemala.

Quintana Y. and C. Barrientos. 2012. Fisheries in Río Dulce. Project Document: Commercial Importance of Río Dulce National Park Fisheries : Economic value and management strategies. FONACON; CONAP; ONCA. 36 pp.

Pérez, E., Echeverría, J. Ayala, H., Azurdia, C., Cajas, M., **Quintana, Y.**, Montenegro, C., Solórzano, E. and D. Ramírez. 2013. "Estrategia Nacional para la Conservación de la Diversidad Biológica en Guatemala: un proceso participativo con visión de diez años". XVII Congreso Mesoamericano de Biología y Conservación. Talk

Juárez D. and **Quintana Y.** 2010. "Distribution and conservation status of the river otter (*Lontra longicaudis*, Olfers 1818) in the Guatemalan Protected Wetlands". Asociación mexicana de mastozoología, AC (AMMAC). Talk

Barrientos C., and **Quintana Y.** 2009. Impact assessment of Nonnative fishes species in Atitlán, Izabal and Petén Itzá lakes" Sociedad Mesoamericana para la Biología y la Conservación.

Quintana Y. and H. Kihn. 2009. "Comparison of the ichthyofauna associated to red mangrove roots in Reserva Natural de Usos Múltiples Monterrico and Manchón Guamuchal, during dry and rainy seasons". Sociedad Mesoamericana para la Biología y la Conservación.

Barrientos C., and **Y. Quintana**. 2008. "Impact assessment of non-native fishes in Lake Atitlán, Guatemala". Sociedad Mesoamericana para la Biología y la Conservación.

SHORT COURSES

CPR and AED Training	2016
Introductory Training in the GIS applications for Natural Resource Management" / Sea Grant - University of Florida	2011
Barcode / Asociación Guatemalteca de Mastozoología	2011
Planning and development of environmental interpretation sites/ CEMA-USAC	2009
DNA fingerprinting/ LENAP USAC	2005
Tri national SAM methodologies course, with emphasis on the development of Conservation monitoring manatee/ CHISP	2005
Fisheries management training/TCP/GUA/2902 project FAO-CEMA	2004
Inventory phase of the Regional Fisheries planning Seminar/OIRSA	2004
Seminary: Analysis and perspectives of biodiversity Conservation in Guatemala: Research and Monitoring Program of Lachuá/PIMEL	2002

PROFESSIONAL APPOINTMENTS AND AFFILIATIONS

Member of the American Society of Ichthyologist & Herpetologist	2017
Member and Advisor for the Latino-Hispanic Organization of Graduate Student (LOGRAS), University of Florida.	2014-2015
Member of the UF SNRE Graduate Student Council	2014-2015
Latin America and the Caribbean Coordinator, International Students Affair, Graduate Student Council, University of Florida.	2014-2015
Member of the Student United in the Research of Fisheries, University of Florida.	2013-2015
Board Member at the National Organization for the Conservation and Environment –ONCA-	2008-2009
Member of the Tropical Conservation and Development Program UF	2013-2015
Founder member of the Asociación Guatemalteca de Mastozoología	2011-2015
ONCA representative of the Environmental Intersectoral Commission CIMA/ National Council of Science and Technology in Guatemala	2008-2011
Research member of the National Council of Science and Technology in Guatemala	2007
Member of the Sociedad Ictiológica Mexicana	2008,2012,2013
Member -Sociedad Mesoamericana para la Biología y la Conservación	2005-2009

REFERENCES

Dr. Kirk Winemiller

Regent Professor
Wildlife and Fisheries Sciences Department
Texas A&M University
Phone (979)-862-4020
k-winemiller@tamu.edu

Dr. Micheal S. Allen

Director
Nature Coast Biological Station and Professor
School of Forest Resources and Conservation
Institute of Food and Agricultural Sciences
The University of Florida
Phone (352) 273.3624
msal@ufl.edu

Dr. Christian Barrientos Contreras

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WCS Equatorial Guinea
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cbarrientos@wcs.org