

# Brown Treesnake Technical Working Group

## 2019 Annual Meetings

### Fiesta Resort

### Garapan, Saipan

*Agency Updates, Science Presentations, and Invited Panels*  
 20 November  
 Hibiscus Hall

Wednesday, November 20	
8:00 – 8:10 a.m.	<b>Introductory Remarks – BTS Technical Working Group 2019 Annual Meetings– MJ Mazurek – US Fish and Wildlife Service</b> BTS Program Coordinator/Technical Working Group Lead
8:10 – 8:15 a.m.	<b>CNMI Welcome and Meeting Opening – Anthony Benavente – Secretary</b> Department of Lands and Natural Resources, Commonwealth of the Northern Marianas Islands
8:15 – 8:30 a.m.	<b>History of the BTS Technical Working Group</b> <ul style="list-style-type: none"> <li>• <b>Earl Campbell</b> – US Geological Survey Invasive Species Program Manager and</li> <li>• <b>Will Pitt</b> – Smithsonian Conservation Biology Institute Deputy Director</li> </ul>
8:30 – 9:10 a.m.	<b>Session: Agency Updates – BTS Control, Interdiction and Rapid Response Training</b> <i>Session Chair – Kevin Donmoyer – US Fish and Wildlife Service</i> <ul style="list-style-type: none"> <li>• <b>Aaron Collins</b> – USDA Wildlife Services Guam, Supervisory Wildlife Biologist, Canine Program Manager</li> <li>• <b>Wil Leon Guerrero</b> – Hawaii Department of Agriculture, Microorganism Specialist</li> <li>• <b>Manny Pangelinan</b> – Commonwealth of the Northern Marianas Islands, Division of Fish and Wildlife, Director</li> <li>• <b>Patrick Barnhart</b> – US Geological Survey, Rapid Response Coordinator</li> </ul>
9:10 – 9:30 a.m.	<b>Session: Agency Updates – BTS Research</b> <i>Session Chair – Stephen Mosher – Joint Region Marianas, MITT Program Manager</i> <ul style="list-style-type: none"> <li>• <b>Melia Nafus</b> – US Geological Survey, Research Ecologist</li> <li>• <b>Shane Siers</b> – USDA National Wildlife Research Center, Research Biologist</li> </ul>
9:30 – 10:10 a.m.	<b>Session: Agency Updates – BTS Funding – Land Managers and Outreach</b> <i>Session Chair - Will Pitt - Smithsonian Conservation Biology Institute Deputy Director</i> <ul style="list-style-type: none"> <li>• <b>Hailey McCoy</b> – Office of Insular Affairs, Grants Management Specialist</li> <li>• <b>Marc Hall</b> – Joint Region Marianas, BTS Program Manager</li> <li>• <b>Diane Vice</b> – Guam Department of Agriculture, Division of Aquatic and Wildlife Resources, Wildlife Supervisor</li> <li>• <b>Jane Dia</b> – Guam Department of Agriculture, Division of Aquatic and Wildlife Resources, Kontra I Kulepbla Program Coordinator – <i>Challenge the snake: A campaign in progress</i></li> </ul>
10:10 – 10:30 a.m.	<b>Morning Break</b>
10:30 – 11:00 a.m.	<b>Invited Panel – The future is now: Developing and implementing electronic data collection.</b> Panelists will discuss the creation of electronic data collection for their respective programs including startup costs, timelines to implement and lessons learned. <i>Panel Moderator – Eben Paxton – Avian Ecologist, USGS Pacific Island Ecosystems Research Center</i> <ul style="list-style-type: none"> <li>• <b>Patrick Barnhart</b> – US Geological Survey, Rapid Response Coordinator</li> <li>• <b>Donn Kansako</b> – Hawaii Department of Agriculture, Plant Quarantine Inspector – <i>Hawaii Department of Agriculture Plant Quarantine BTS Data Collection</i></li> <li>• <b>Bradley Eichelberger</b> – Commonwealth of the Northern Marianas Islands, Division of Fish and Wildlife, GIS Specialist</li> </ul>
11:00 – 12:10 p.m.	<b>Session: Science Presentations – BTS Research Techniques, Artificial Bait Development, Early Detection and Rapid Response, Multi-species Exclusion Barriers</b> <i>Session Chair – John D. Eisemann – USDA National Wildlife Research Center, Technology Transfer Program Manager</i>

**Wednesday, November 20**

- **Shane Siers** – USDA National Wildlife Research Center, Research Biologist - *Who will take the bait? Nontarget risks of BTS bait applications in the CNMI*
- **Rafael Garcia** – USDA ARS – *Optimization of artificial bait for landscape-scale brown treesnake suppression*
- **Peter Xiong** – US Geological Survey - *Evaluation of lure preference in brown treesnake to improve management strategies of Guam’s remaining avifauna populations*
- **Abigail Feuka** – Colorado State University - *Spatial ecology of brown treesnakes*
- **Eric Hileman** – Research Ecologist, US Geological Survey - *Multispecies barriers as a tool for fauna reintroductions*
- **Staci Amburgey** – Postdoctoral Researcher, Washington Cooperative Fish and Wildlife Research Unit - *Assessing the use of camera trapping for estimation of abundance of invasive brown treesnakes on Guam*

12:10 –  
1:15 p.m.**Lunch Break** – See meeting coordinators for discounted Fiesta lunch buffet tickets1:15 –  
1:20 p.m.**Opening Afternoon Session – MJ Mazurek** – US Fish and Wildlife Service BTS Program Coordinator1:20 –  
1:30 p.m.**Invited Presentation – Kurt Preston** – Program Manager, SERDP and ESTCP Resource Conservation and Resilience - *Invasive Species Research and Development Opportunities*1:30 –  
2:30 p.m.**Session: Science Presentations – BTS Landscape Suppression***Session Chair – Haldre Rogers* – Iowa State University, Assistant Professor, Department of Ecology, Evolution, and Organismal Biology

- **Emma Hanslowe** – Colorado State University – *Assessing the use of camera trapping for estimation of abundance of invasive brown treesnakes on Guam*
- **Melia Nafus** – US Geological Survey, Research Ecologist - *Phase II: Trial eradication of brown treesnakes in the USGS Closed Population facility via aerial toxicants*
- **Scott Goetz** – USDA National Wildlife Research Center /US Geological Survey – *Population response of Brown Treesnakes to sustained aerial acetaminophen treatments: bait tube and camera monitoring*
- **Amy Yackel Adams** – US Geological Survey, Research Ecologist – *Population response of Brown Treesnakes to sustained aerial acetaminophen treatments: visual searching*
- **Eric Hileman** – Research Ecologist, US Geological Survey – *Brown treesnake mortality in response to aerial applications of toxicant-laced baits*

2:30 –  
3:00 p.m.**Invited Speaker: John Ewen** – Senior Research Fellow, Zoological Society of London – *Species recovery using conservation translocation and its application to Sihek, Guam Kingfisher*3:00 –  
3:15 p.m.**Afternoon Break**3:15 –  
4:30 p.m.**Invited Panel – Linking BTS suppression with listed species recovery.** Panelists will discuss the state of BTS landscape suppression and how BTS suppression tools could lead to listed species recovery and extirpated species translocation on Guam. We will hear from species recovery experts and Guam land managers about conservation planning.*Panel Moderator – Earl Campbell* – US Geological Survey Invasive Species Program Manager

- **Shane Siers** – USDA National Wildlife Research Center, Island Research Biologist – *Developments in the ability to suppress Brown Treesnakes on a landscape scale*
- **Megan Laut** – US Fish and Wildlife Service, Pacific Islands Fish and Wildlife Office, Conservation and Restoration Team Manager
- **Will Pitt** – Smithsonian Conservation Biology Institute Deputy Director
- **Suzanne Medina** – Guam Department of Agriculture, Division of Aquatic and Wildlife Resources, Wildlife Biologist
- **Diane Vice** – Guam Department of Agriculture, Division of Aquatic and Wildlife Resources, Wildlife Supervisor
- **Earl Campbell** – representing the Guam National Wildlife Refuge
- **Dana Lujan** – NAVFAC/Joint Region Marianas Conservation and Planning Supervisor

4:30 p.m.

**Closing remarks – MJ Mazurek** – US Fish and Wildlife Service BTS Program Coordinator