



# PUERTO RICO FISHERIES LIAISON

Wilson G. Santiago Soler  
CFMC 178th Regular Meeting  
April 19 - 20 2022



# 2022 Liaison Participation

- Give educational program for commercial fishers (PEPCO)
- Support Cristina Olán with post at CFMC social media for the “Repaso de PEPCO”
- Participate in MREP committee meetings for August 2022 fishers workshop in Puerto Rico
- Send weekly educational posts via WhatsApp
- Support fishers with issues and information of DNER State and Federal Closures
- Give educational materials for the fishers and fishing communities
- Give recreational fishers educational program (PEPR) virtual

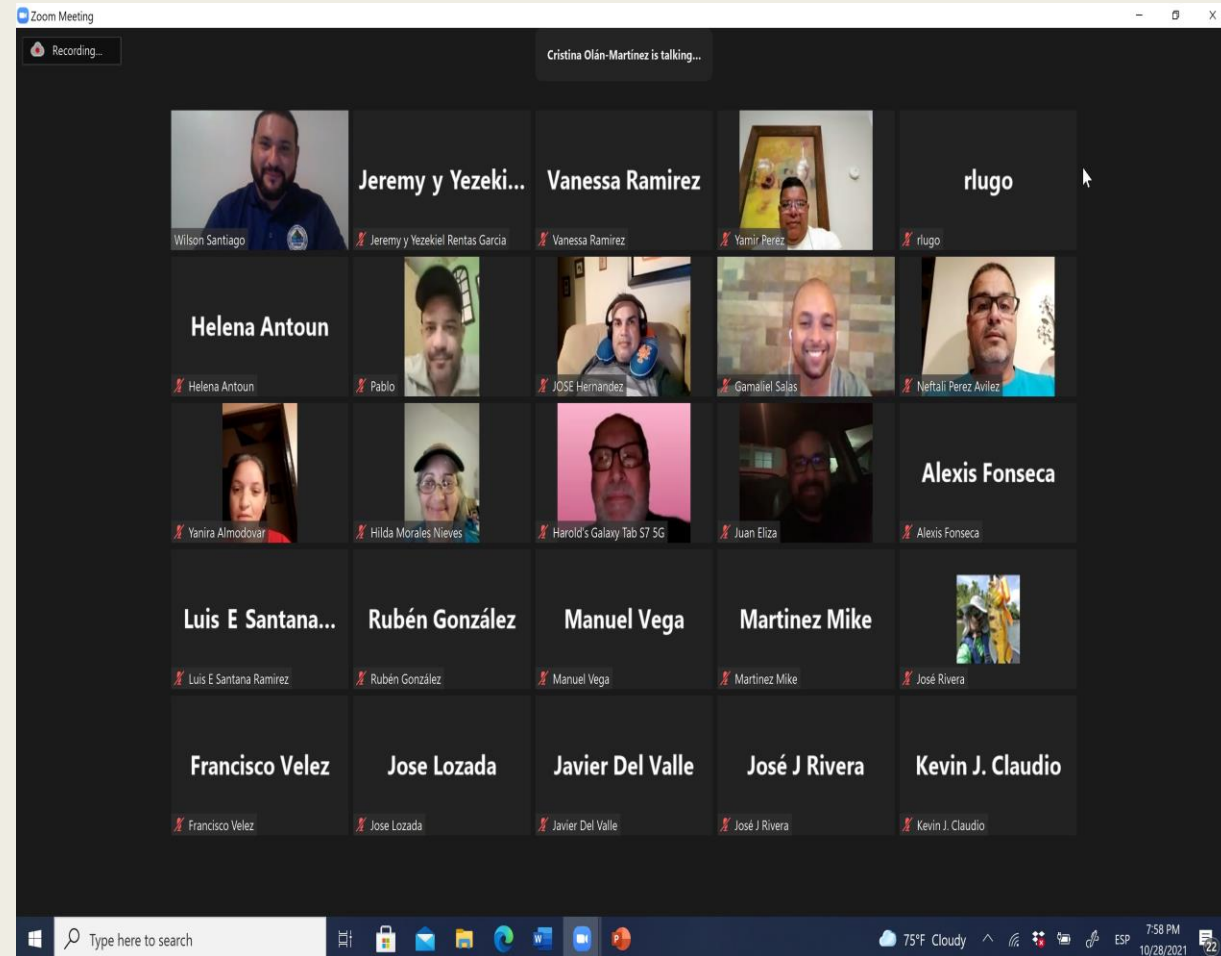
# Educational Program for Commercial Fishers (PEPCO) in Puerto Rico



- March 23, 2022, 1<sup>st</sup> workshop face-to-face after COVID - 19 pandemic
- 3 hours of different topics including a presentation by Janette Ramos (Sea Grant Program)
- We have a participation of 17 fishers
- For all the participants that completed the program we gave them a certificate of completion. (Thanks to DNER, CFMC, Sea Grant)
- Next workshop is in April 27 in Aguada

# Educational Program for Recreational Salt Water Fishers

- 2022 1<sup>st</sup> virtual workshop was in March 31, 2022
- Topics were Laws, Regulations, marine species and areas managements in state and federal waters for recreational fishers
- Thanks to Helena Antoun and Cristina Olán for their support in the workshop.

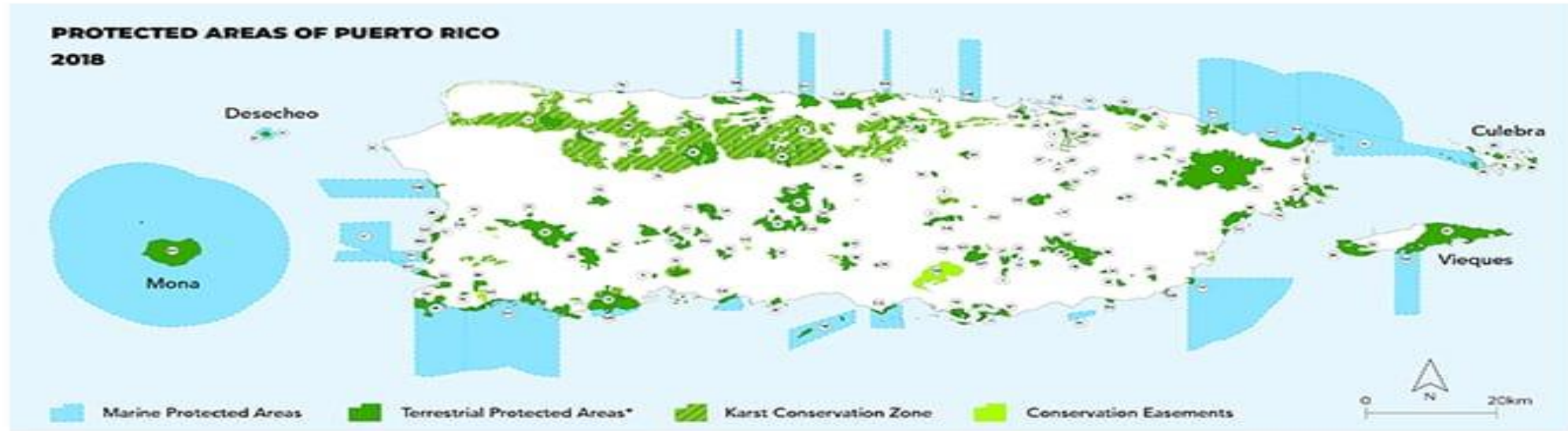


# Puerto Rico Marine Protected Areas (MPA's) State Jurisdiction

- A total of 44 MPA's are managed by the DNER in Puerto Rico.
- DNER has an interactive map of all marine protected areas at this site:  
[drna.pr.gov/explora/anp](http://drna.pr.gov/explora/anp)
- In this site we can find managements plans, designations, investigations, permissions and other documents regarding all the protected areas in Puerto Rico. DNER is updating this website continuously.



# Puerto Rico State and Federal MPA's



\* Some of the protected areas include: Natural Reserves, State Forests, Wildlife Refuges, and Wetlands, National Forests, Mineral Forests, National Historic Sites, and Reserves, among others. CNEC lands acquired through the Forest Legacy Program and other areas within the State are added to the management unit of the respective Commonwealth Forest.

- |  |   |  |  |   |
|--|---|--|--|---|
| 1. Arroyo Aguadulce del Rio Piedras / SUEC               | 27. Parícuti de las Cuevas Protected Natural Area | 51. San Felipe Commonwealth Forest                   | 82. El Ray Natural and Wildlife Refuge | 120. Laguna de San Juan National Reserve  |
| 2. Caguas National Forest                                | 28. Punta Cata-Romas Protected Natural Area       | 52. San Felipe Commonwealth Forest                   | 83. Ceres National Reserve             | 121. Laguna de San Juan National Reserve  |
| 3. Compañía Forestal Area                                | 29. Punta Princesa Protected Natural Area         | 53. Vega Commonwealth Forest                         | 84. San Felipe Commonwealth Forest     | 122. Arroyo de las Nubes National Reserve |
| 4. Marián Research Area                                  | 30. Culebrita Santa Protected Natural Area        | 54. Bosque del Pueblo de Adultos Commonwealth Forest | 85. San Felipe Commonwealth Forest     | 123. Arroyo de las Nubes National Reserve |
| 5. Bosque de Pinarajas de Orocoba Protected Natural Area | 31. San Juan Protected Natural Area               | 55. San Felipe Commonwealth Forest                   | 86. San Felipe Commonwealth Forest     | 124. Arroyo de las Nubes National Reserve |
| 6. Cañón Las Bajas Protected Natural Area                | 32. San Juan Protected Natural Area               | 56. San Felipe Commonwealth Forest                   | 87. San Felipe Commonwealth Forest     | 125. Arroyo de las Nubes National Reserve |
| 7. Cañón San Cecilio Protected Natural Area              | 33. San Juan Protected Natural Area               | 57. San Felipe Commonwealth Forest                   | 88. San Felipe Commonwealth Forest     | 126. Arroyo de las Nubes National Reserve |
| 8. Cañón Tula Protected Natural Area                     | 34. San Juan Protected Natural Area               | 58. San Felipe Commonwealth Forest                   | 89. San Felipe Commonwealth Forest     | 127. Arroyo de las Nubes National Reserve |
| 9. Cañón de Santa Rosa Protected Natural Area            | 35. San Juan Protected Natural Area               | 59. San Felipe Commonwealth Forest                   | 90. San Felipe Commonwealth Forest     | 128. Arroyo de las Nubes National Reserve |
| 10. Cañón Las Mulas Protected Natural Area               | 36. San Juan Protected Natural Area               | 60. San Felipe Commonwealth Forest                   | 91. San Felipe Commonwealth Forest     | 129. Arroyo de las Nubes National Reserve |
| 11. Cañón de Sotomayor Protected Natural Area            | 37. San Juan Protected Natural Area               | 61. San Felipe Commonwealth Forest                   | 92. San Felipe Commonwealth Forest     | 130. Arroyo de las Nubes National Reserve |
| 12. Cañón El Comero Protected Natural Area               | 38. San Juan Protected Natural Area               | 62. San Felipe Commonwealth Forest                   | 93. San Felipe Commonwealth Forest     | 131. Arroyo de las Nubes National Reserve |
| 13. Cañón de las Nubes Protected Natural Area            | 39. San Juan Protected Natural Area               | 63. San Felipe Commonwealth Forest                   | 94. San Felipe Commonwealth Forest     | 132. Arroyo de las Nubes National Reserve |
| 14. Cañón de las Nubes Protected Natural Area            | 40. San Juan Protected Natural Area               | 64. San Felipe Commonwealth Forest                   | 95. San Felipe Commonwealth Forest     | 133. Arroyo de las Nubes National Reserve |
| 15. Cañón de las Nubes Protected Natural Area            | 41. San Juan Protected Natural Area               | 65. San Felipe Commonwealth Forest                   | 96. San Felipe Commonwealth Forest     | 134. Arroyo de las Nubes National Reserve |
| 16. Cañón de las Nubes Protected Natural Area            | 42. San Juan Protected Natural Area               | 66. San Felipe Commonwealth Forest                   | 97. San Felipe Commonwealth Forest     | 135. Arroyo de las Nubes National Reserve |
| 17. Cañón de las Nubes Protected Natural Area            | 43. San Juan Protected Natural Area               | 67. San Felipe Commonwealth Forest                   | 98. San Felipe Commonwealth Forest     | 136. Arroyo de las Nubes National Reserve |
| 18. Cañón de las Nubes Protected Natural Area            | 44. San Juan Protected Natural Area               | 68. San Felipe Commonwealth Forest                   | 99. San Felipe Commonwealth Forest     | 137. Arroyo de las Nubes National Reserve |
| 19. Cañón de las Nubes Protected Natural Area            | 45. San Juan Protected Natural Area               | 69. San Felipe Commonwealth Forest                   | 100. San Felipe Commonwealth Forest    | 138. Arroyo de las Nubes National Reserve |
| 20. Cañón de las Nubes Protected Natural Area            | 46. San Juan Protected Natural Area               | 70. San Felipe Commonwealth Forest                   | 101. San Felipe Commonwealth Forest    | 139. Arroyo de las Nubes National Reserve |
| 21. Cañón de las Nubes Protected Natural Area            | 47. San Juan Protected Natural Area               | 71. San Felipe Commonwealth Forest                   | 102. San Felipe Commonwealth Forest    | 140. Arroyo de las Nubes National Reserve |
| 22. Cañón de las Nubes Protected Natural Area            | 48. San Juan Protected Natural Area               | 72. San Felipe Commonwealth Forest                   | 103. San Felipe Commonwealth Forest    | 141. Arroyo de las Nubes National Reserve |
| 23. Cañón de las Nubes Protected Natural Area            | 49. San Juan Protected Natural Area               | 73. San Felipe Commonwealth Forest                   | 104. San Felipe Commonwealth Forest    | 142. Arroyo de las Nubes National Reserve |
| 24. Cañón de las Nubes Protected Natural Area            | 50. San Juan Protected Natural Area               | 74. San Felipe Commonwealth Forest                   | 105. San Felipe Commonwealth Forest    | 143. Arroyo de las Nubes National Reserve |
| 25. Cañón de las Nubes Protected Natural Area            | 51. San Juan Protected Natural Area               | 75. San Felipe Commonwealth Forest                   | 106. San Felipe Commonwealth Forest    | 144. Arroyo de las Nubes National Reserve |
| 26. Cañón de las Nubes Protected Natural Area            | 52. San Juan Protected Natural Area               | 76. San Felipe Commonwealth Forest                   | 107. San Felipe Commonwealth Forest    | 145. Arroyo de las Nubes National Reserve |
| 27. Cañón de las Nubes Protected Natural Area            | 53. San Juan Protected Natural Area               | 77. San Felipe Commonwealth Forest                   | 108. San Felipe Commonwealth Forest    | 146. Arroyo de las Nubes National Reserve |
| 28. Cañón de las Nubes Protected Natural Area            | 54. San Juan Protected Natural Area               | 78. San Felipe Commonwealth Forest                   | 109. San Felipe Commonwealth Forest    | 147. Arroyo de las Nubes National Reserve |
| 29. Cañón de las Nubes Protected Natural Area            | 55. San Juan Protected Natural Area               | 79. San Felipe Commonwealth Forest                   | 110. San Felipe Commonwealth Forest    | 148. Arroyo de las Nubes National Reserve |
| 30. Cañón de las Nubes Protected Natural Area            | 56. San Juan Protected Natural Area               | 80. San Felipe Commonwealth Forest                   | 111. San Felipe Commonwealth Forest    | 149. Arroyo de las Nubes National Reserve |
| 31. Cañón de las Nubes Protected Natural Area            | 57. San Juan Protected Natural Area               | 81. San Felipe Commonwealth Forest                   | 112. San Felipe Commonwealth Forest    | 150. Arroyo de las Nubes National Reserve |
| 32. Cañón de las Nubes Protected Natural Area            | 58. San Juan Protected Natural Area               | 82. San Felipe Commonwealth Forest                   | 113. San Felipe Commonwealth Forest    | 151. Arroyo de las Nubes National Reserve |
| 33. Cañón de las Nubes Protected Natural Area            | 59. San Juan Protected Natural Area               | 83. San Felipe Commonwealth Forest                   | 114. San Felipe Commonwealth Forest    | 152. Arroyo de las Nubes National Reserve |
| 34. Cañón de las Nubes Protected Natural Area            | 60. San Juan Protected Natural Area               | 84. San Felipe Commonwealth Forest                   | 115. San Felipe Commonwealth Forest    | 153. Arroyo de las Nubes National Reserve |
| 35. Cañón de las Nubes Protected Natural Area            | 61. San Juan Protected Natural Area               | 85. San Felipe Commonwealth Forest                   | 116. San Felipe Commonwealth Forest    | 154. Arroyo de las Nubes National Reserve |
| 36. Cañón de las Nubes Protected Natural Area            | 62. San Juan Protected Natural Area               | 86. San Felipe Commonwealth Forest                   | 117. San Felipe Commonwealth Forest    | 155. Arroyo de las Nubes National Reserve |
| 37. Cañón de las Nubes Protected Natural Area            | 63. San Juan Protected Natural Area               | 87. San Felipe Commonwealth Forest                   | 118. San Felipe Commonwealth Forest    | 156. Arroyo de las Nubes National Reserve |
| 38. Cañón de las Nubes Protected Natural Area            | 64. San Juan Protected Natural Area               | 88. San Felipe Commonwealth Forest                   | 119. San Felipe Commonwealth Forest    | 157. Arroyo de las Nubes National Reserve |
| 39. Cañón de las Nubes Protected Natural Area            | 65. San Juan Protected Natural Area               | 89. San Felipe Commonwealth Forest                   | 120. San Felipe Commonwealth Forest    | 158. Arroyo de las Nubes National Reserve |
| 40. Cañón de las Nubes Protected Natural Area            | 66. San Juan Protected Natural Area               | 90. San Felipe Commonwealth Forest                   | 121. San Felipe Commonwealth Forest    | 159. Arroyo de las Nubes National Reserve |
| 41. Cañón de las Nubes Protected Natural Area            | 67. San Juan Protected Natural Area               | 91. San Felipe Commonwealth Forest                   | 122. San Felipe Commonwealth Forest    | 160. Arroyo de las Nubes National Reserve |
| 42. Cañón de las Nubes Protected Natural Area            | 68. San Juan Protected Natural Area               | 92. San Felipe Commonwealth Forest                   | 123. San Felipe Commonwealth Forest    | 161. Arroyo de las Nubes National Reserve |
| 43. Cañón de las Nubes Protected Natural Area            | 69. San Juan Protected Natural Area               | 93. San Felipe Commonwealth Forest                   | 124. San Felipe Commonwealth Forest    | 162. Arroyo de las Nubes National Reserve |
| 44. Cañón de las Nubes Protected Natural Area            | 70. San Juan Protected Natural Area               | 94. San Felipe Commonwealth Forest                   | 125. San Felipe Commonwealth Forest    | 163. Arroyo de las Nubes National Reserve |
| 45. Cañón de las Nubes Protected Natural Area            | 71. San Juan Protected Natural Area               | 95. San Felipe Commonwealth Forest                   | 126. San Felipe Commonwealth Forest    | 164. Arroyo de las Nubes National Reserve |
| 46. Cañón de las Nubes Protected Natural Area            | 72. San Juan Protected Natural Area               | 96. San Felipe Commonwealth Forest                   | 127. San Felipe Commonwealth Forest    | 165. Arroyo de las Nubes National Reserve |
| 47. Cañón de las Nubes Protected Natural Area            | 73. San Juan Protected Natural Area               | 97. San Felipe Commonwealth Forest                   | 128. San Felipe Commonwealth Forest    | 166. Arroyo de las Nubes National Reserve |
| 48. Cañón de las Nubes Protected Natural Area            | 74. San Juan Protected Natural Area               | 98. San Felipe Commonwealth Forest                   | 129. San Felipe Commonwealth Forest    | 167. Arroyo de las Nubes National Reserve |
| 49. Cañón de las Nubes Protected Natural Area            | 75. San Juan Protected Natural Area               | 99. San Felipe Commonwealth Forest                   | 130. San Felipe Commonwealth Forest    | 168. Arroyo de las Nubes National Reserve |
| 50. Cañón de las Nubes Protected Natural Area            | 76. San Juan Protected Natural Area               | 100. San Felipe Commonwealth Forest                  | 131. San Felipe Commonwealth Forest    | 169. Arroyo de las Nubes National Reserve |

Ortiz-Medina, J., Galván, M., Castro-Frías, J., & Galán-Galán, S. (2018). Protected Areas of Puerto Rico. In: Atlas of the State of Puerto Rico. San Juan, PR: U.S. Department of Agriculture Forest Service, International Institute of Tropical Forestry (IITF).



Credit: usda.gov

1. Reserva Marina Tres Palmas (Rincón)	MR	2004	0.89	0.89
2. Reserva Marina Agua de Desecheo	MR	2000	7.4	7.4
3. Reserva Natural Isla de Mona y Monito	NR	1997	1512.7	81
4. Reserva Natural Arrecifes de Torumaline	NR	1998	74.6	0
5. Reserva Natural Caño La Boquilla	NR	2002	105.8	0
6. Reserva Natural Laguna de Joyuda	NR			
7. Reserva Natural Finca Belvedere	NR	2003	40	0
8. Refugio Iris Alameda Boquerón				
9. Bosque Estatal de Boquerón	NR	1998	172.7	0
10. Reserva Natural La Parguera	NR	1998	324	0
11. Reserva Natural Punta Cuchara (Ponce)	NR	2007	13.8	0
12. Reserva Natural Caja de Muertos	NR	1980	55.1	0.39
13. Reserva Natural Punta Petrona (Santa Isabel)	NR	1979	30.9	0
14. Reserva de Investigación Estuarina Bahía de Jobos (Guayama y Salinas)	ERNR	1981	9.8	0
15. Bosque Estatal de Aguirre (Salinas)				
16. Reserva Natural Arrecifes de Guayama	NR	1980	8.1	0
17. Reserva Natural Humedal Punta Viento (Patillas)	NR			
18. Reserva Natural Punta Tuna (Maunabo)				
19. Bosque Estatal de Ceiba				
20. Reserva Natural Bahía Bioluminiscente de Vieques	NR	1998	79.6	0
21. Área Natural Protegida Punta Soldado (Culebras)				
22. Reserva Natural Cana Luis Peña (Culebras)	NR	1999	6.3	6.3
23. Reserva Natural Arrecifes de la Cordillera (Fajardo)	NR	1980	99.9	0
24. Reserva Natural Corredor Ecológico del noreste (Entre Luquillo y Fajardo)	NR	2013	263.1	0
25. Reserva Natural Río Espíritu Santo ( Río Grande)	NR	1998	117.7	0
26. Bosque Estatal de Piñones (Entre Carolina y Loiza)				
27. Reserva Marina Arrecifes de Isla Verde (Carolina)	MR	2013	0.94	0.94
28. Reserva Natural Estuarina Laguna del Condado	ENR	2013	0.4	0.4
29. Reserva Natural Caño Martín Peña				
30. Reserva Natural Ciénaga Las Cucharillas (Cataño)				
31. Reserva Natural Pantano Cibuco (Vega Baja)	NR	1998	19.9	0
32. Reserva Natural Laguna Tortuguero ( Manati y Vega Baja)				
33. Reserva Natural Cueva del Indio	NR	1998	15.5	0
34. Reserva Natural Caño Tiburones				
35. Reserva Natural Finca Nolla (Camuy)				
36. Punta Yeguas	NR	2001	262.4	0
37. Bosque Estatal de Guanica	NR	1985	14.2	0
38. Punta Guaniquilla	NR	2002	8.6	0
39. Cabeza de San Juan	NR	1998	266.9	0
40. Extensión Marina Playa Larga El Paraiso	NR			
41. Marina Reserva Natural Hacienda La Esperanza	NR			
42. Reserva Natural Finca Seven Seas				

Credit: Revista Marejada and DNER web site

# Protected Areas without Informative Bulletin Board

- Tres Palmas Marines Reserve, Rincón
- Mona Island and Monito Island
- Bosque Estatal of Boquerón Natural Reserve, Cabo Rojo
- La Parguera Natural Reserve, Lajas
- Las Cucharras Natural Reserve ( Did not find sign, photo found in DNER website)
- Caja de Muerto Natural Reserve (Found in Sea Grant website)
- Estuarine Research Reserve Bahia of Jobos, Salinas/Guayama
- Aguirre State Forest, Salinas
- Punta Ballena Natural Reserve, Guanica (New)
- Punta Tuna Natural Reserve, Maunabo
- Mosquito Bioluminescent Bay, Vieques (No Photo)
- Luis Peña Natural Reserve, Culebra (No Photo)



# Protected Areas with Informative Bulletin Board

- Ecologic Corredor of the Northeast Natural Reserve ( Between Luquillo and Fajardo)
- Isla Verde Reefs Marine Reserve, Carolina
- Laguna del Condado Estuarine Natural Reserve, San Juan
- Cienaga Las Cucharillas Natural Reserve, Cataño
- Playa Grande el Paraiso Natural Marine Reserve, Dorado
- Tortuguero Lagoon Natural Reserve (Between Manati and Vega Baja)
- Caño Tiburones Natural Reserve
- Ines Maria Mendoza Punta Yeguas Natural Reserve, Yabucoa
- Las Cabezas de San Juan Natural Reserve, Fajardo
- Hacienda la Esperanza Natural Reserve, Manati

# Protected Areas without Informative Bulletin Board

- Desecheo Waters Marine Reserve, Near Coast of Rincón
- Reef Natural Reserve Tourmaline (State and Federal Jurisdiction)
- Bajo de sico Marine Protected Area (State and Federal jurisdiction)
- Abril La Sierra Marine Protected Area ( Federal jurisdiction)
- La Boquilla Natural Reserve, Mayagüez
- Laguna of Joyuda Natural Reserve, Cabo Rojo
- Finca Belvedere Natural Reserve, Cabo Rojo
- Punta Petrona Natural Reserve, Santa Isabel
- Reefs of Guayama Natural Reserve
- Punta Vientos Wetland Natural Reserve, Patillas

# Protected Areas without Informative Bulletin Board

- Cordillera Reefs Natural Reserve, Fajardo
- Caño Martin Peña Natural Reserve
- Cibuco Swamp Natural Reserve, Vega Baja
- Cueva del Indio Natural Reserve (Arecibo)
- Cueva del Indio Natural Reserve (Did not find Informative Bulletin Board)
- Punta Guaniquilla Natural Reserve, Cabo Rojo
- Finca Seven Seas Natural Reserve, Fajardo ( Did not find Informative Bulletin Board)

# PR - MPA's with Management Plans

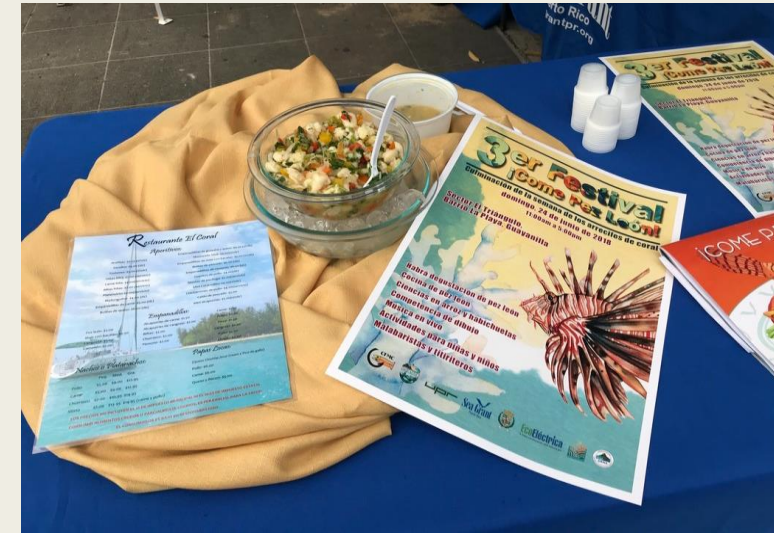
- Bosque Estatal de Piñones (Between Carolina and Loíza) – In Process
- Natural Reserve Laguna Tortuguero (Between Manatí and Vega Baja) – In Process
- Natural Reserve Bahía Bioluminiscente (Vieques) Approved by JP
- Natural Reserve Arrecife de la Cordillera (Fajardo) – Completed
- Natural Reserve Isla Caja de Muertos – Draft
- Natural Reserve Río Espíritu Santo (Río Grande) – In Process
- Natural Reserve Isla de Mona y Monito – Draft Completed, Final
- Natural Reserve of Pterocarpus (Humacao) - Completed, approved by JP
- Natural Reserve Caño de Tiburones (Arecibo) - Final Draft
- Natural Reserve Canal Luis Peña (Culebra) - Approved by JP
- Natural Reserve Finca Seven Seas (Fajardo) – Approved by JP

# PR - MPA's with Management Plans

- Natural Reserve Punta Tuna (Maunabo) – Completed
- Marine Reserve Tres Palmas (Rincón) – Approved by JP
- Natural Reserve Punta Viento (Patillas) – Approved by Administrative Order
- Natural Reserve Arrecifes de Isla Verde – Completed
- Natural Reserve Laguna del Condado – Approved by JP
- Natural Reserve Corredor Ecológico del Noreste – Approved by JP

# Reserva Marina Tres Palmas (Rincón)

## 3er Festival Come Pez León





# PR Protected Areas Informative Bulletin Boards





# PR Protected Areas Informative Bulletin Boards



# Puerto Rico's Fishers Issues

- The Issues with the commercial fishing license with the DNER has been resolved. Fishers has been receiving their fishing license and letters from the DNER.
- New fishers misinformation about fishing closures, statistics report (eReporting app), licenses and permits for state and federal waters in Puerto Rico
- Low enforcement to watch the closures and illegal commercial fishing in state and federal waters
- Fishers need support with different funding opportunities

# 2022 Liaison Next Step

- Continue with PEPCO face-to—face workshops
- Continuing of the virtual PEPR workshops
- Continuing supporting CFMC social media
- Find out and support fishers in their issues, visiting fishing villages and fishers communities
- Visit fishing villages and fishing communities around the island giving educational materials

# Questions?

**Contact Information:**

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