

**Research Activity Report**  
**Supported by “Leading Graduate Program in Primatology and Wildlife Science”**  
(Please be sure to submit this report after the trip that supported by PWS.)

	2016.07.10
<b>Affiliation/Position</b>	Wildlife Research Center/M1
<b>Name</b>	Miho Tanaka

<b>1. Country/location of visit</b>
Japan/ Mikra island, Tokyo
<b>2. Research project</b>
Research of scars and wounds on indo-pacific bottlenose dolphins
<b>3. Date (departing from/returning to Japan)</b>
2016. 06.10 – 2016. 06. 22 (12days)
<b>4. Main host researcher and affiliation</b>
Dr Kazunobu Kogi, Mikurajima Tourist Office
<b>5. Progress and results of your research/activity</b> (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.
<p>This research targeted on indo-pacific bottlenose dolphins (<i>Tursiops aduncus</i>) in Mikura island, Tokyo. We observed and recorded scars and wounds on the body of identified dolphins. I conducted this research in collaboration with Mikura dolphin research team and Mikurajima tourist office. They carried out ID research of dolphins for research and ecotourism by underwater video-recording of dolphins using the boats for dolphin swimming tourists..In this research, we analyzed the underwater video-records and added the record of new scars to ID sheets. During the research period between June 10 and June 22, we made 15 boat trips in total for the research.</p> <p>[Result]</p> <p>Research period : June 10 ~ June 22  The number of boat trips : 15 times  Time of video-recording : 401 minutes  Number of observed individuals : 105 individuals in total  New scars observed</p> <ol style="list-style-type: none"> <li>1) scars by cookie-cutter sharks : 8 on 8 individuals</li> <li>2) white scars by other dolphins : under analysis</li> </ol> <p>In this study periods, we could video-recorded 105 individuals for 401 minutes in total. The recorded individuals included more than 95 individuals that were observed last year too and 10 new born babies. I could identify 8 new wounds by cookie-cutter sharks on the body of 8 individuals and many white scars on almost all of observed dolphins .</p> <p>[future plan]</p> <p>In the next research in July, I'll video-record dolphins using 3D camera to measure the dimensions of their scars . I need to continue the same research on dolphin scars to increase the sample size. I'll compare dolphin's scar marks observed in this year with those of last year. White scars cure very quickly because those are shallow scars. So, I need to compare the difference in condition of white scar in short span. In future analysis, I'll analyze wounds and scars condition more precisely using underwater video records.</p>

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Picture1 : Adult female JJ (#507FA)      Picture2 : dolphin in Sanbondake  
(From the facebook of Mikura dolphin team )

**6. Others**

I would like to thank Mr. Kogi, drivers and guides of dolphin-watching boats for their supports.  
This study was supported by PWS program. I appreciate it very much.