

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.)

2015.11.20

Affiliation/Position	Wildlife Research Center/M1
Name	Natsuko Tajima

1. Country/location of visit
Mikurashima, Tokyo · Miyakeshima, Tokyo
2. Research project
Observation of pair swimming and individual identification of Indo pacific bottlenose dolphin around Mikura island
3. Date (departing from/returning to Japan)
2015.8.20-9.27/10.5-10.20/10.25-11.16
4. Main host researcher and affiliation
Mikurashima tourist association
5. Progress and results of your research/activity (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>The schedule of this trip is as follows.</p> <p>8/21 Arrival at Mikurashima 8/21-9/27 Individual identification survey 9/27 departure from Mikurashima to Kyoto</p> <p>10/6 Arrival at Mikurashima 10/6-10/20 Individual identification survey 10/20 departure from Mikurashima to Kyoto</p> <p>10/26 Arrival at Mikurashima 10/26-11/14 Individual identification survey 11/14 departure from Mikurashima to Miyakeshima</p> <p>11/14-11/16 Individual identification survey 11/16 departure from Miyakeshima to Kyoto</p> <p>The aim of this trip is to do individual identification survey of Indo-pacific bottlenose dolphin around Mikura island.</p> <p>I got on the boat and searched the dolphin. When I found the dolphins, I snorkeled and recorded dolphins using waterproof video camera(Fig. 1).</p> <p>We could ride the Dolphin watching boat 67 times and the total recording time was 19 hours and 26 minutes. After we recorded dolphins, we identified each Dolphins using recorded video data(Fig 2). I identified 131 individuals in total. The individual which were observed last year is 120 individuals, and the individuals which were not observed this year is 5 individuals. Also I identified 11 mother-infant pairs.</p> <p>And we get 65 samples of Dolphin feces from 38 individuals to analyze kinships.</p> <p>In Miyake island, I identified the dolphin which observed in Mikura island until 2013. And also I observed the dolphin whether that was from Mikura island or not. I will gather more information about how many dolphins are lived around Miyake island and identified whether that dolphins are from Mikura island or not.</p> <p>By using these data, I will analyze social behavior and pair matching while pair swimming(Fig. 3).</p>

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Fig. 1 (Photo : Minako Fijusato)



Fig. 2 individual identification

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Fig.3 Getting feces and fecal sample



Fig.4 pair swimming pairs (right side)

6. Others

I appreciate Mikurashima tourist association and captains of Dolphin watching boat for supporting this survey. And I am grateful to the PWS program and members.