

**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.)

	2018. 03. 20
<b>Affiliation/Position</b>	Wildlife Research Center/D3
<b>Name</b>	Kasumi Sakakibara

<b>1. Country/location of visit</b>
Japan, Kumamoto Misumi-city
<b>2. Research project</b>
Pick up the hydrophone in Misumi port
<b>3. Date (departing from/returning to Japan)</b>
2018. 3. 18 – 2018. 03. 19 (2 days)
<b>4. Main host researcher and affiliation</b>
Dr. Morimura Naruki
<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>I went to Kumamoto sanctuary to observe finless porpoises, <i>Neophocaena phocaenoides</i>, sunameri using by drone in Misumi western port and to set the hydrophone to clarify the presences of sunameri all day.</p> <p>&lt;Schedule&gt;        18<sup>th</sup> March : Movement to Kumamoto from Kyoto, Pick up the hydrophones, Observation of sunameri in Evening        19<sup>th</sup> March : Export the date, Movement to Kyoto from Kumamoto</p> <p><u>Hydrophone, A-tag</u>        I observed also sunameri in not only spring and fall season but also winter season in this trip. We clarify the diurnal and seasonal change of sunamri movement, so that we set the hydrophone, two A-tags, on the raft in Misumi western port.</p> <p>Northern West hydrophone        Set Direction: Horizon        Recording period: 10:00 in 29<sup>th</sup> Jan. to 10:00 2<sup>nd</sup> Mar.        Sound points: 9969777        Depth: 9.6m        Temperature: 12.8°C        Salinity concentration: 3.11%</p> <p>Southern West hydrophone        Set Direction: Vertical        Recording period: 10:00 in 29<sup>th</sup> Jan. to 18:00 2<sup>nd</sup> Mar.        Sound points: 7142839        Depth: 8.9m        Temperature: 12.9°C        Salinity concentration: 3.09%</p> <p><u>Observation using by drone</u>        I recorded the feeding behaviour of sunameri after picking up the hydrophone in 16:30 to 18:00. We found the sunameri around Oseto to outside sea. It looks like the bigger group size more than winter season.</p> <p><u>Future plan</u>        We will combine the data of the behaviour recorded by the drone and of the acoustics recorded by underwater hydrophone. We keep also monitoring using by the drone.</p>

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← Picked up hydrophones

**6. Others**

I appreciate Ms. Nasu and Dr. Morimura for their help to my staying in Kumamoto Sanctuary. Also, a lot of thanks for Mr. Yusuke MORI and his family to guide the visiting sea area to set the hydrophone using by boat and car.