HARBOUR PORPOISE MONITORING
under the State Monitoring Programme

past, present and future plans

19th Jastarnia Group meeting, online, 20-22 March 2023
Pilot monitoring of the marine species and habitats, 2015-2018 (1)

Covered:

• 5 habitats (sandbanks 1110, estuaries 1130, lagoons 1150, sandbanks 1160, reefs 1170),

• 4 mammals species (3 seals: grey 1364, ringed 50, common 1365, harbour porpoise 1351),

• 2 lamprey species (river 1099, 1096),

• 5 fish species (twaite 1103, spinned loach 1149, weatherfis 1145, sichel 2522, bittering 5359).
Pilot monitoring of the marine species and habitats, 2015-2018 (2)

Comparison 2 monitoring sites
SAMBAH vs. Polish state monitoring data 2016-2018

<table>
<thead>
<tr>
<th>project/monitoring</th>
<th>Mean density (N/km²)</th>
<th>Mean DPD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pomeranian Bay</td>
<td>Stilo Bank</td>
</tr>
<tr>
<td>SAMBAH</td>
<td>0,0017</td>
<td>0,0003</td>
</tr>
<tr>
<td>State Monitoring Programme</td>
<td>0,03776</td>
<td>0,00109</td>
</tr>
</tbody>
</table>
Present monitoring (1)

- started in March 2021,
- 3 monitoring sites:
  - Pomeranian Bay,
  - Stilo Bank,
  - Gdańsk & Puck Bays;
- continuation to March 2023;
Present monitoring (2)

Comparison 2 monitoring sites based on the Polish state monitoring data, 2015-2018 vs. 2021-2022*

(* based on preliminary data, covers less than 2 years, i.e. March 2021 – April 2022)

POMERANIAN BAY – Detection Positive Days (DPD - N) during the study period (March 2021 – April 2022) averaged over all 5 C-POD stations

Present monitoring (3)
Comparison 2 monitoring sites based on the Polish state monitoring data, 2015-2018 vs. 2021-2022*

(* based on preliminary data, covers less than 2 years, i.e. March 2021 – April 2022)

POMERANIAN BAY – Detection Positive Minutes (DPM - N) during the study period (March 2021 – April 2022) averaged over all 5 C-POD stations

Present monitoring (4)
Comparison 2 monitoring sites based on the Polish state monitoring data, 2015-2018 vs. 2021-2022*

(* based on preliminary data, covers less than 2 years, i.e. March 2021 – April 2022)

STILO BANK – Detection Positive Days (DPD - N) during the study period (March 2021 – April 2022) averaged over all 5 C-POD stations

Present monitoring (5)
Comparison 2 monitoring sites based on the Polish state monitoring data, 2015-2018 vs. 2021-2022*

(* based on preliminary data, covers less than 2 years, i.e. March 2021 – April 2022)

STILO BANK – Detection Positive Minutes (DPM - N) during the study period (March 2021 – April 2022) averaged over all 5 C-POD stations

Future plans for monitoring

• planned;
• monitoring sites location – based on data analyses from present and previous monitoring campaigns;
thank you for attention

Mean density (N/km²)
upper – SMP 2016-2018, bottom – SAMBAH, SMP 2021-2023 will be added soon

Mean DPD

any questions please send to: sekretariatdm@gios.gov.pl