

PHOTO DOCUMENTATION

Appendix no. 2

to the Final Report on implementation of measures determined in EMP
for the Contract 3A.5

Odra-Vistula Flood Management Project

OVFMP Subcomponent	3A Flood Protection of Upper Vistula Towns and Cracow
Contract Task	3A.5 Development of a flood gate at the left flood embankment in the area of water intakes for the Sendzimira Steel Mill in Cracow
Investor / Project Implementation Unit	State Water Holding Polish Waters Regional Water Management Authority in Cracow 22. Marszałka J. Piłsudskiego Street, 31-109 Cracow, Poland
Project Implementation Office (PIO)	Project Implementation Office in Cracow 22. Marszałka J. Piłsudskiego Street, 31-109 Cracow, Poland
Contractor of Works	PORR S.A. Office in Cracow: 15. Nadbrzezie Street, 31-983 Cracow, Poland
Engineer	AECOM Polska Sp. z o.o. Project Office: 1. Pokoju Avenue, 31-548 Cracow, Poland

This document – forming **Appendix no. 2** to the *Final Report on implementation of measures determined in the Environmental Management Plan for Contract 3A.5* (reporting period: March 16, 2022 – September 22, 2023), presents a photo documentation regarding implementation of the EMP.



Fig. 1. Site condition in the first month of the works implementation period – flood embankment on the western bank of the Kujawy port channel, status in the third decade of March 2022 (view towards the north).



Fig. 2. Site condition in the first month of the works implementation period – flood embankment on the western bank of the Kujawy port channel, status in the third decade of March 2022 (view towards the south).



Fig. 3. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – southern part, status in the third decade of March 2022 (view towards the east).



Fig. 4. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – southern part, status in the third decade of March 2022 (view towards the north-west).



Fig. 5. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – central part, status in the third decade of March 2022 (view towards the east).



Fig. 6. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – central part, status in the third decade of March 2022 (view towards the west).



Fig. 7. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – northern part, status in the third decade of March 2022 (view towards the south-east).



Fig. 8. Site condition in the first month of the works implementation period – construction site of flood gate on the Kujawy port channel – northern part, status in the third decade of March 2022 (view towards the west).



Fig. 9. Site condition in the first month of the works implementation period – construction site of maneuvering yard on the eastern bank of the Kujawy port channel, status in the third decade of March 2022 (view towards the south).



Fig. 10. Site condition in the first month of the works implementation period – construction site of maneuvering yard on the eastern bank of the Kujawy port channel, status in the third decade of March 2022 (view towards the north).



Fig. 11. Sapper supervision inspection before the commencement of works, status in the second decade of March 2022 (view towards the north).



Fig. 12. Works related to the organization of new site facilities on the eastern bank of the Kujawy port channel, status in the first decade of August 2022 (view towards the north).



Fig. 13. Site facilities on the eastern bank of the Kujawy port channel, status in the third decade of April 2023 (view towards the north).



Fig. 14. Health and safety information board at the site facilities, status in the third decade of August 2022 (view towards the north).



Fig. 15. Marking of the construction site on the eastern bank of the Kujawy port channel, status in the third decade of June 2023 (view towards the west).



Fig. 16. Marking of the construction site on the western bank of the Kujawy port channel, status in the third decade of June 2023 (view towards the north-east).



Fig. 17. Protection of hazardous sites,
status in the third decade of August 2022 (view towards the south).



Fig. 18. Protection of hazardous sites,
status in the third decade of January 2023 (view towards the north-east).



Fig. 19. Protection of trees not intended to felling,
status in the second decade of October 2022 (view towards the north).



Fig. 20. Protection of trees not intended to felling,
status in the second decade of July 2023 (view towards the north-west).



Fig. 21. Preventing the spread of foreign invasive plant species
– fencing off knotweed site on the western bank of the Kujawy port channel,
status in the third decade of May 2023 (view towards the west).



Fig. 22. Preventing the spread of foreign invasive plant species
– protection of earth masses containing excavated knotweed roots,
status in the second decade of July 2023 (view towards the east).



Fig. 23. Laying an electric cable to power the flood gate
– works on the section along the left bank of the Vistula flood embankment,
status in the first decade of May 2022 (view towards the east).



Fig. 24. Laying an electric cable to power the flood gate
– tidying up the area after the works on the section along Dymarek Street,
status in the second decade of May 2022 (view towards the south).



Fig. 25. Dredging of the Kujawy port channel bed south of the flood gate, status in the first decade of June 2022 (view towards the west).



Fig. 26. Dredging of the Kujawy port channel bed north of the flood gate, status in the second decade of May 2022 (view towards the north).



Fig. 27. Driving the sheet piles in the Kujawy port channel bed,
status in the first decade of November 2022 (view towards the south).



Fig. 28. Driving the sheet piles in the Kujawy port channel bed,
status in the third decade of August 2022 (view towards the south).



Fig. 29. Construction site of flood gate with a section of embankment connection on the eastern bank of the Kujawy port channel, status in the third decade of August 2022 (view towards the west).



Fig. 30. Construction site of flood gate in the Kujawy port channel bed, status in the third decade of November 2022 (view towards the west).



Fig. 31. Construction site of flood gate with a section of embankment connection on the eastern bank of the Kujawy port channel, status in the third decade of January 2023 (view towards the west).



Fig. 32. Construction site of flood gate with a section of embankment connection on the eastern bank of the Kujawy port channel, status in the second decade of April 2023 (view towards the west).



Fig. 33. Construction site of flood gate with a section of embankment connection on the eastern bank of the Kujawy port channel, status in the second decade of May 2023 (view towards the west).



Fig. 34. Construction site of flood gate with a section of embankment connection on the eastern bank of the Kujawy port channel, status in the second decade of July 2023 (view towards the west).



Fig. 35. Construction site of flood gate with a section of embankment connection on the western bank of the Kujawy port channel, status in the third decade of June 2023 (view towards the east).



Fig. 36. Construction site of flood gate with a section of embankment connection on the western bank of the Kujawy port channel, status in the second decade of July 2023 (view towards the east).



Fig. 37. Construction site of flood gate with a section of embankment connection on the western bank of the Kujawy port channel, status in the first decade of August 2023 (view towards the east).



Fig. 38. Construction site of flood gate with a section of embankment connection on the western bank of the Kujawy port channel, status in the first decade of September 2023 (view towards the east).



Fig. 39. The activated flood gate chamber in the Kujawy port channel, status in the third decade of July 2023 (view towards the south).



Fig. 40. The activated flood gate chamber in the Kujawy port channel, status in the third decade of July 2023 (view towards the north).



Fig. 41. A fascine mattress for securing the bottom and slopes of the Kujawy port channel, status in the first decade of August 2023 (view towards the north).



Fig. 42. A stone riprap for securing the bottom and slopes of the Kujawy port channel, status in the third decade of July 2023 (view towards the south).



Fig. 43. Covering slopes of embankments with a top-soil layer on the western bank of the Kujawy port channel, status in the third decade of August 2023 (view towards the west).



Fig. 44. Covering a bank slope with a top-soil layer on the eastern bank of the Kujawy port channel, status in the third decade of June 2023 (view towards the east).



Fig. 45. Growth of grasses sown on slopes of embankments on both banks of the Kujawy port channel south to the flood gate, status in the third decade of September 2023 (view towards the west).



Fig. 46. Growth of grasses sown on a bank slope on the eastern bank of the Kujawy port channel north to the flood gate, status in the first decade of August 2023 (view towards the east).



Fig. 47. Construction of maneuvering yard
on the eastern bank of the Kujawy port channel,
status in the third decade of August 2023 (view towards the north-east).



Fig. 48. A built and fenced maneuvering yard
on the eastern bank of the Kujawy port channel,
status in the third decade of September 2023 (view towards the north-east).



Fig. 49. No impact of works on water environment
in the Kujawy port channel,
status in the second decade of May 2023 (view towards the north).



Fig. 50. No impact of works on the condition of natural habitats
along the Kujawy port channel,
status in the third decade of August 2023 (view towards the north).



Fig. 51. Site condition in the first month of the defects notification period
– flood embankment on the western bank of the Kujawy port channel,
status in the second decade of October 2023 (view towards the north).



Fig. 52. Site condition in the first month of the defects notification period
– flood embankment on the western bank of the Kujawy port channel,
status in the second decade of October 2023 (view towards the south).



Fig. 53. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – southern part,
status in the second decade of October 2023 (view towards the east).



Fig. 54. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – southern part,
status in the second decade of October 2023 (view towards the north-west).



Fig. 55. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – central part,
status in the second decade of October 2023 (view towards the east).



Fig. 56. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – central part,
status in the second decade of October 2023 (view towards the west).



Fig. 57. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – northern part,
status in the second decade of October 2023 (view towards the south-east).



Fig. 58. Site condition in the first month of the defects notification period
– flood gate on the Kujawy port channel – northern part,
status in the second decade of October 2023 (view towards the west).



Fig. 59. Site condition in the first month of the defects notification period
– maneuvering yard on the eastern bank of the Kujawy port channel,
status in the second decade of October 2023 (view towards the south).



Fig. 60. Site condition in the first month of the defects notification period
– maneuvering yard on the eastern bank of the Kujawy port channel,
status in the second decade of October 2023 (view towards the north).