

## PHOTO DOCUMENTATION

### Appendix no. 2

to the Final Report on implementation of measures determined in EMP  
for the Contract 3A.2/3

### Odra-Vistula Flood Management Project

OVFMP Subcomponent	3A Flood Protection of Upper Vistula Towns and Cracow
Contract Task	<b>3A.2/3.1 Flood protection in Serafa Valley – Malinówka 3 reservoir</b>
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	Stage I Keller Polska Sp. z o.o. 172. Poznańska Street, 05-850 Ożarów Mazowiecki, Poland Stage II JV of: PBWI w Krakowie Sp. z o.o. – Leader 17. Bogucka Street, 30-020 Wieliczka, Poland Hamer Polska Sp. z o.o. Sp.k. – Partner 66. Gromadzka Street, 30-719 Cracow, Poland
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This document – forming **Appendix no. 2** to the *Final Report on implementation of measures determined in the Environmental Management Plan for Contract 3A.2/3* (reporting period: August 10, 2022 – April 25, 2025), presents a photo documentation regarding implementation of the EMP.

Except for photographs no. 5 and 6, all the other photos shown in this appendix refer to the Stage II of the Contract implementation (see description in chapter 2 of the Report).



Fig. 1. Site condition in the first quarter of the works implementation period – western (downstream) part of the reservoir bowl, status in the second decade of February 2024 (view towards the west).



Fig. 2. Site condition in the first quarter of the works implementation period – western (downstream) part of the reservoir bowl, status in the second decade of February 2024 (view towards the east).





Fig. 3. Site condition in the first quarter of the works implementation period  
– central part of the reservoir bowl,  
status in the second decade of February 2024 (view towards the west).



Fig. 4. Site condition in the first quarter of the works implementation period  
– eastern (upstream) part of the reservoir bowl,  
status in the second decade of February 2024 (view towards the east).





Fig. 5. Tree felling (Stage I of the Contract implementation), status in the first decade of September 2022 (view towards the north).



Fig. 6. Cleaning up after felling trees (Stage I of the Contract implementation), status in the third decade of September 2022 (view towards the south).



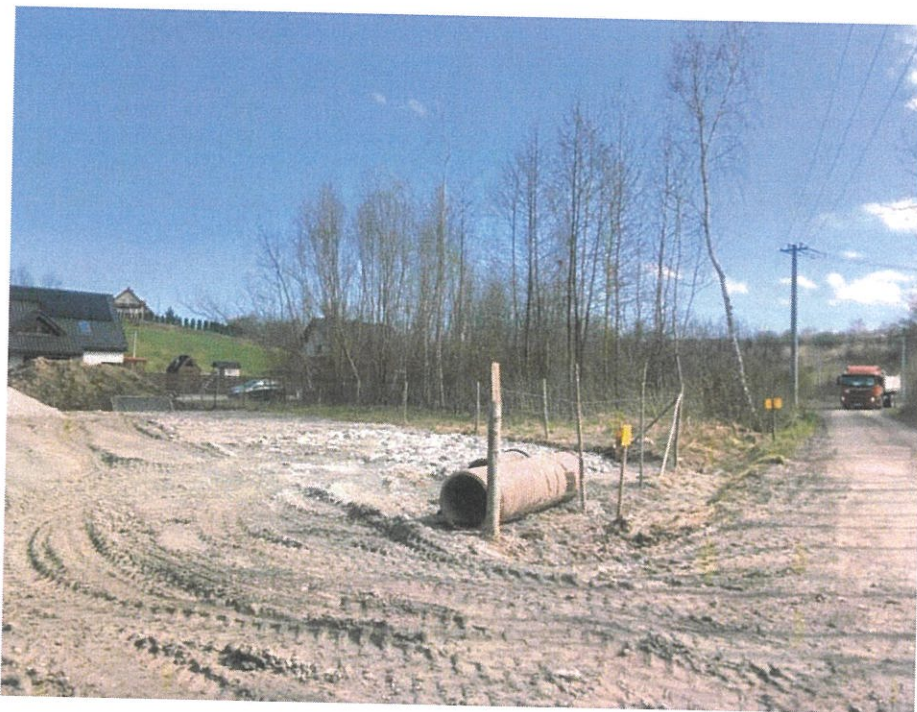


Fig. 7. Works related to the organization of site facilities  
at the road connecting Koszutki Street and Antoniego Hoborskiego Street,  
status in the third decade of March 2024 (view towards the east).



Fig. 8. Site facilities  
at the road connecting Koszutki Street and Antoniego Hoborskiego Street,  
status in the third decade of April 2024 (view towards the east).





Fig. 9. Site facilities  
at the road connecting Koszutki Street and Antoniego Hoborskiego Street,  
status in the third decade of June 2024 (view towards the north).



Fig. 10. Storage yard at Koszutki Street,  
status in the third decade of September 2024 (view towards the north).





Fig. 11. Access road to the site facilities,  
status in the third decade of October 2024  
(view towards the west).



Fig. 12. Access road to the construction site,  
status in the third decade of July 2024  
(view towards the east).





Fig. 13. Construction of a technological road to the building place of reservoir's front dam, status in the third decade of February 2024 (view towards the north).



Fig. 14. Technological road to the building place of reservoir's front dam, status in the third decade of March 2024 (view towards the north).





Fig. 15. Marking of the construction site,  
status in the third decade of March 2024  
(view towards the north).



Fig. 16. Marking of the construction site,  
status in the third decade of December 2024  
(view towards the west).





Fig. 17. Protection of hazardous sites,  
status in the third decade of June 2024  
(view towards the south).



Fig. 18. Protection of hazardous sites,  
status in the third decade of January 2025  
(view towards the south).





Fig. 19. Protection of trees not intended to felling,  
status in the third decade of April 2024  
(view towards the north).



Fig. 20. Protection of trees not intended to felling,  
status in the first decade of February 2025  
(view towards the north).





Fig. 21. Protection of valuable natural places within boundaries of the construction site, status in the first decade of July 2024 (view towards the east).



Fig. 22. Protection of areas excluded from work within boundaries of the construction site, status in the third decade of March 2024 (view towards the south).





Fig. 23. Removal of a top soil layer on the southern bank of reservoir,  
status in the second decade of March 2024  
(view towards the east).



Fig. 24. Removal of a top soil layer on the northern bank of reservoir,  
status in the second decade of March 2024  
(view towards the east).



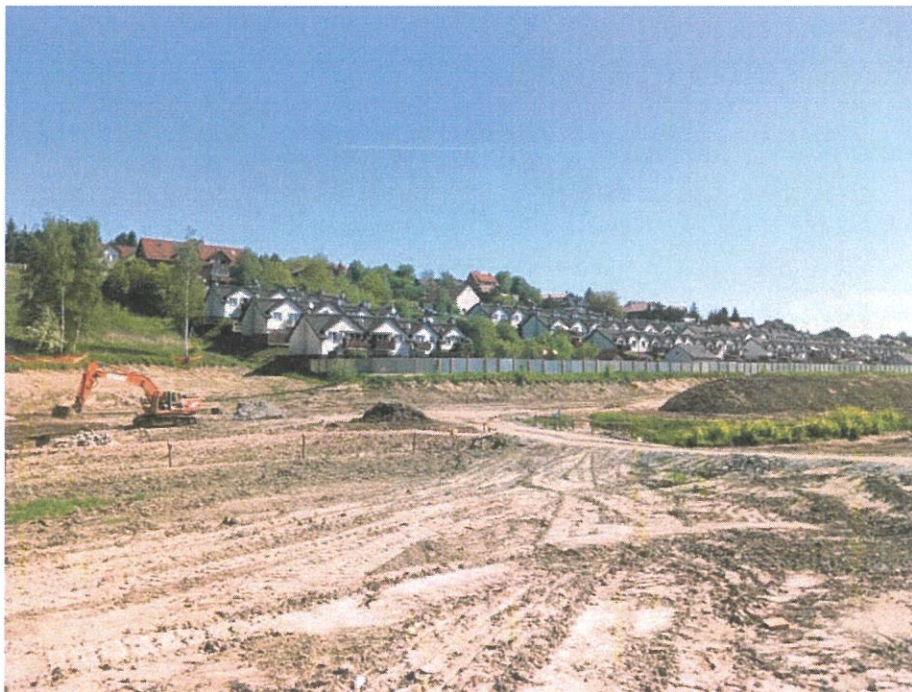


Fig. 25. Protection of top-soil piles,  
status in the third decade of April 2024  
(view towards the east).



Fig. 26. Protection of top-soil piles,  
status in the third decade of April 2024  
(view towards the east).





Fig. 27. Construction of the Malinówka stream bypass channel for the period of construction of the reservoir dam, status in the third decade of February 2024 (view towards the west).



Fig. 28. Malinówka stream bypass channel for the period of construction of the reservoir dam, status in the third decade of April 2024 (view towards the west).





Fig. 29. Driving the sheet piles on the construction site of the reservoir's front dam, status in the second decade of March 2024 (view towards the west).



Fig. 30. Driving the sheet piles along the northern bank of the reservoir, status in the third decade of May 2024 (view towards the north).





Fig. 31. Making a cap on the sheet pile wall along the northern bank of the reservoir, status in the third decade of June 2024 (view towards the east).



Fig. 32. Making a cap on the sheet pile wall along the northern bank of the reservoir, status in the third decade of June 2024 (view towards the west).





Fig. 33. Reinforced concrete works on the reservoir's spillway-discharge facilities, status in the second decade of July 2024 (view towards the east).



Fig. 34. Reinforced concrete works on the reservoir's spillway-discharge facilities, status in the third decade of October 2024 (view towards the west).





Fig. 35. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of February 2024 (view from the southern bank of the reservoir, towards the north).



Fig. 36. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of February 2024 (view from the northern bank of the reservoir, towards the south).





Fig. 37. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of May 2024  
(view from the southern bank of the reservoir, towards the north).



Fig. 38. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of May 2024  
(view from the northern bank of the reservoir, towards the south).





Fig. 39. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of October 2024  
(view from the southern bank of the reservoir, towards the north).



Fig. 40. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of October 2024  
(view from the northern bank of the reservoir, towards the south).





Fig. 41. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of November 2024 (view from the southern bank of the reservoir, towards the north).



Fig. 42. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of November 2024 (view from the northern bank of the reservoir, towards the south).





Fig. 43. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the first decade of April 2025  
(view from the southern bank of the reservoir, towards the north).



Fig. 44. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the first decade of April 2025  
(view from the northern bank of the reservoir, towards the south).





Fig. 45. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of June 2025  
(view from the southern bank of the reservoir, towards the north).



Fig. 46. Construction site of the front dam and the reservoir's spillway-discharge facilities, status in the third decade of June 2025  
(view from the northern bank of the reservoir, towards the south).





Fig. 47. Construction of a maneuvering yard at the reservoir's front dam, status in the first decade of April 2025 (view towards the west).



Fig. 48. Construction of a maneuvering yard at the reservoir's front dam, status in the third decade of June 2025 (view towards the north-west).





Fig. 49. Reconstruction of the R2 ditch in the northern part of the reservoir basin, status in the third decade of April 2024 (view towards the south).



Fig. 50. Reconstruction of the R2 ditch in the northern part of the reservoir basin, status in the first decade of April 2025 (view towards the south).





Fig. 51. Reconstruction of the R4 ditch in the northern part of the reservoir basin, status in the third decade of April 2024 (view towards the south-east).



Fig. 52. Reconstruction of the R4 ditch in the northern part of the reservoir basin, status in the third decade of March 2025 (view towards the south-east).





Fig. 53. Reinforcements of the Malinówka stream bed downstream of the reservoir's spillway-discharge facilities, status in the third decade of January 2025 (view towards the west).



Fig. 54. Reinforcements of the Malinówka stream bed upstream of the reservoir's spillway-discharge facilities, status in the first decade of April 2025 (view towards the east).





Fig. 55. Reinforcements of the Malinówka stream bed in the upstream part of reservoir, status in the third decade of January 2025 (view towards the west).



Fig. 56. Reinforcements of the Malinówka stream bed in the upstream part of reservoir, status in the first decade of February 2025 (view towards the east).





Fig. 57. Shaping the reservoir bowl on the northern bank of the Malinówka stream, status in the third decade of July 2024 (view towards the east).



Fig. 58. Shaping the reservoir bowl on the southern bank of the Malinówka stream, status in the first decade of October 2024 (view towards the east).



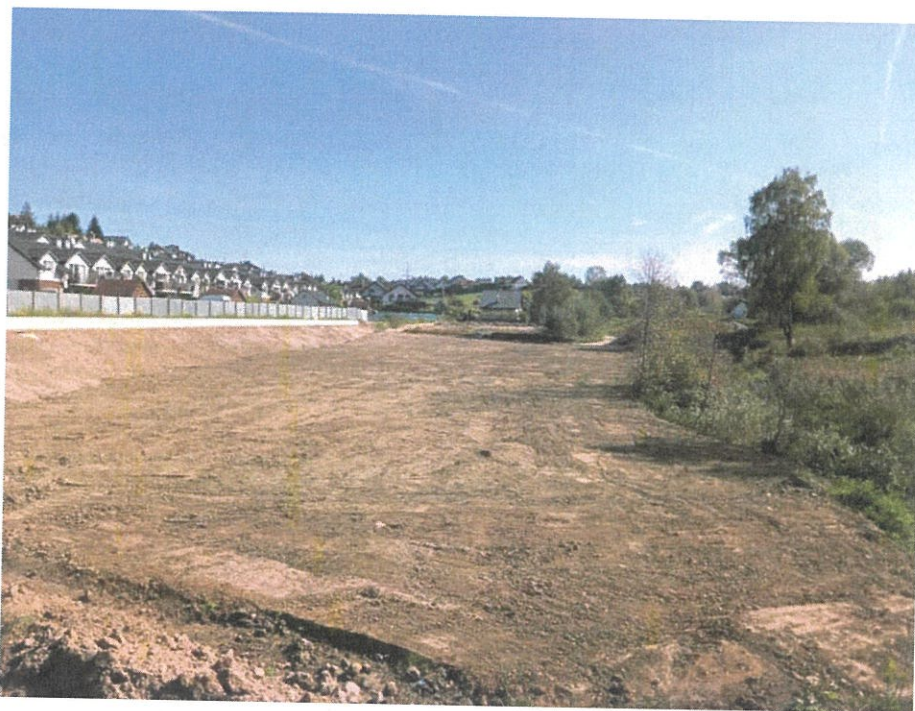


Fig. 59. Covering the reservoir bowl on the northern bank of the Malinówka stream with a top-soil layer, status in the third decade of September 2024 (view towards the east).



Fig. 60. Covering the reservoir bowl on the southern bank of the Malinówka stream with a top-soil layer, status in the third decade of October 2024 (view towards the south).





Fig. 61. Growth of grasses sown in the reservoir bowl on the northern bank of the Malinówka stream, status in the first decade of April 2025 (view towards the east).



Fig. 62. Growth of grasses sown in the reservoir bowl on the southern bank of the Malinówka stream, status in the third decade of June 2025 (view towards the west).





Fig. 63. Work on replacement planting of trees and shrubs,  
status in the second decade of March 2024  
(view towards the west).



Fig. 64. Replacement planting of trees and shrubs,  
status in the first decade of June 2024  
(view towards the south).





Fig. 65. Site condition in the last quarter of the works implementation period – western (downstream) part of the reservoir bowl, status in the second decade of June 2025 (view towards the west).



Fig. 66. Site condition in the last quarter of the works implementation period – western (downstream) part of the reservoir bowl, status in the second decade of June 2025 (view towards the east).





Fig. 67. Site condition in the last quarter of the works implementation period  
– central part of the reservoir bowl,  
status in the second decade of June 2025 (view towards the west).



Fig. 68. Site condition in the last quarter of the works implementation period  
– eastern (upstream) part of the reservoir bowl,  
status in the second decade of June 2025 (view towards the east).

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