

# **ANNEX NO 1 TO THE ENVIRONMENTAL MANAGEMENT PLAN**

**FINAL VERSION**

## **ODRA-VISTULA FLOOD MANAGEMENT PROJECT – 8524 PL**

*Task complementary with ORBFPP*

*Environmental Category A - pursuant to WB OP 4.01*

### **Subcomponent 1B:**

*Flood Protection on the Middle and Lower Odra*

### **Contract for works 1B.7:**

*WFS Widawa- the rebuilding of the flood management system of the  
municipality of Czernica, Długoleka, Wisznia Mała and Wrocław.*

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## **ODRA-VISTULA FLOOD MANAGEMENT PROJECT**

co-financed by:

World Bank (WB), Loan Agreement No 8524 PL

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## **Environmental Management Plan**

**Subcomponent:** *1B - Flood Protection on the Middle and Lower Odra*

**Contract:** *1B.7 WFS Widawa- the rebuilding of the flood management system of the municipality of Czernica, Długoleka, Wisznia Mała and Wrocław.*

**Project Implementation Unit:**

**State Water Holding Polish Waters**

**Regional Water Management Authority in Wrocław**

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## Table of contents

1. Introduction .....	4
2. Plan for the implementation and monitoring of natural compensation .....	6

## 1. INTRODUCTION

1B.7 WFS Widawa- the rebuilding of the flood management system of the municipality of Czernica, Długoleka, Wisznia Mała and Wrocław and as a consequence of implementing the provisions of the EMP for this Contract, it turned out necessary to make a change in the scope of location of the environmental compensation consisting in execution of planting on the plots indicated in the EMP.

The rules for the implementation of nature compensation are set out in the decision of RDOŚ in Wrocław dated 29 December 2017. (ref. no. WOOS.4233.2.2017.ŁCK.27, hereinafter DŚU/ECD, quoted in full in Appendix 5a of the basic documentation of the EMP for this Contract), where, however, the precise location of the nature compensation was not specified, which was further specified in the EMP for Contract 1B.7.

The main aim of compensation is to restore the damaged areas of natural habitats. The environmental compensation, which is the subject of the Annex to the EMP, consists of the performance of tree planting in exchange for the anticipated and permitted by DŚU/ECD (destruction of habitat patches 91F0 Riverine oak-elm-ash forests (Ficario-Ulmetum).

The planned correction of the location of natural compensation for habitat 91F0 consists in the replacement of two registered plots listed in the EMP that are intended for planting with one registered plot, in a different location than originally planned. However, this changes neither the total area of the compensation areas nor the tree species that will be planted as part of the compensation.

The DŚU does not explicitly state the numbers of the registered plots to be used for compensatory planting, hence the proposed exchange of plots does not require an amendment to the DŚU in this respect. However, the exact location with the numbers of these plots is given in the text of the EMP - hence the need to amend the EMP documentation accordingly. The change in the location of the plantings relates to the nature compensation covering as per Appendix 3 of the EMP: *“restoration of riparian forest habitat patches 91F0: On an area of 7.2 ha, the habitat patches of the riparian oak-elm-ash forest (Ficario-Ulmetum) - code 91F0 shall be restored by planting the appropriate (typical) tree and shrub species for this habitat”*

A change of location (and thus of plot numbers) for the plantings of habitat 91F0, as required by the WB procedures, must be recorded in the form of an Appendix to the applicable EMP. In the Appendix no. 3 of the EMP in item A requirements connected with the performance of activities within the framework of environmental compensation and in item B requirements connected with the monitoring of the performance of environmental compensation, there is introduced instead of the plot of land No. 632 and 623 (cadastral boundary Kotowice, commune Siechnice) - the plot 2 (Osobowice cadastral district, municipality of Wrocław). The total area originally intended for planting on plots No. 632 and 623 (cadastral district Kotowice, commune of Siechnice) is 7.2 ha, while the area intended for planting on plot no. 2 (cadastral section Osobowice, commune of Wrocław) also amounts to 7.2 ha.

The change of location of the 91F0 habitat planting does not change the quantitative and qualitative parameters of the originally planned compensatory planting, nor the total area of planting for the restoration of the 91F0 habitat code, amounting to 7.2 ha.

Another correction to the content of the EMP and Appendix no. 3 of the EMP is the change consisting in the introduction of the plot number 330/2 (Dobrzykowice cadastral district, commune).

Czernica), intended for the construction of six compensating reservoirs with a total water surface area of not less than 0.6 ha. At the stage of preparation of the contractual documentation, this plot of land was numbered 330 (cadastral district Dobrzykowice, commune Czernica), but later on it was geodetically subdivided and now the plot has the number 330/2 (Dobrzykowice cadastral district, commune Czernica). This change has no impact on the implementation of the investment, nor on the substantive scope of the implementation of nature compensation.

In addition, it appeared that there was a clerical error in the text of the EMP - incorrect plots were given in relation to the correct content and appropriately given plots in the Appendix 3 of the EMP. This Annex will also correct this mistake. This mistake did not affect the implementation of the investment.

## **ENVIRONMENTAL CONDITIONS FOR THE IMPLEMENTATION OF THE CONTRACT**

*During the execution of the Contract 1B.7 WFS Widawa- the rebuilding of the flood management system of the municipality of Czernica, Długołęka, Wisznia Mała and Wrocław and, as a consequence of the implementation of the provisions of the EMP for this Contract, it turned out that plot 632 (Kotowice cadastral district, municipality of Siechnice) with an area of 5.44 ha, which is managed by the Oława Forestry Authority and has already been afforested in recent years. These activities were carried out by the Oława Forest Authority in accordance with the Forest Management Plan for the Oława Forest Authority, within the frames of tree stands renewal. The composition of tree and shrub species appropriate for habitat 91F0 was taken into account.*

Therefore, it was necessary to indicate a new plot that meets the requirements specified in the EMP and DŚU/ECD (Environmental Conditions Decision).

*According to the contents of the DŚU "For the destruction of habitat patches - Riparian oak-elm-ash forests (Ficario-Ulmetum) - code 91F0 with a total area of about 2.4 ha - plant trees and shrubs on an area of not less than 7.2 ha. Compensation should take place, for example, by planting (densifying) compact forest complexes in the ecotone zone, through afforestation as part of the restoration of stands or planting as part of the reconstruction of stands, taking into account the species of trees and shrubs relevant to the 91F0 habitat. The basic principles of silviculture must be preserved. Detailed solutions should be implemented under the guidance of a phytosociologist."*

Proposal for compensatory planting on the newly designated plot no. 2 (cadastral district Osobowice, commune Wrocław) is in accordance with the environmental decision of RDOŚ in Wrocław of 29.12.2017.

Plot 2 (cadastral district Osobowice, municipality of Wrocław) is a former arable land on which three forest habitat types are classified: strongly fresh mixed forest, wet mixed forest, fresh forest. It is therefore suitable for planting pedunculate oak. Therefore, it was decided that the plot of land no. 2 (cadastral district Osobowice, commune of Wrocław), where the area available for afforestation and meeting the habitat requirements is approximately 20 ha, the entire compensated area of 7.2 ha will be planted. Thus, two plots of land listed in the EMP: record plot 632 (cadastral district Kotowice, commune Siechnice) and cadastral district plot 623 (cadastral district Kotowice, commune of Siechnice) were replaced by one cadastral district plot 2 (cadastral district Osobowice, commune Wrocław), on which a total area of 7.2 ha will be planted. The new planting area, although it will be located in a different place, about 10 km away from the project site, will allow the total restoration of 7.2 ha of oak-elm-ash riparian forest.

## **2. PLAN FOR THE IMPLEMENTATION AND MONITORING OF NATURAL COMPENSATION**

The Contractor is obliged to apply all the conditions for carrying out the works specified in the Appendix to the EMP for Contract 1B.7: Appendix no. 1 Mitigation Measures Plan, Appendix No.: 2 Monitoring Measures Plan, Appendix No.: 3 Execution and monitoring plan of natural compensations, corresponding to the types of works carried out.

Any administrative decisions necessary for the execution of the works, in the event of such a necessity, shall be obtained by the Contractor at the stage of carrying out the works.

In order to meet the conditions set out in the DŚU at the investment site, the modification of the EMP conditions is introduced:

1) The text of the Environmental Management Plan is amended as follows:

### **Item 6.15 Requirements related to the implementation of nature compensation**

#### **[current content]**

Nature compensation includes the implementation of measures such as:

- restoration of patches of the habitat oak-elm-ash forests 91F0 within the cadastral plots no: 1824/194, 1826/195, 1830/198, 1849/211, 2087/212, 2010/152 (cadastral district Bystrzyca, commune Oława) on an area of 7.2 ha.
- planting of native species of shrubs on the territory of cadastral district plots no: 180/24 (Siedlec cadastral district, commune Długoleka), 232/2, 233/4 (cadastral district Borowa, commune Oleśnica), 730 (cadastral district Smolna, commune Oleśnica) on an area of 2.85 ha.
- Restoration of several small water reservoirs constituting amphibian habitats, with a total water surface area of no less than 0.6 ha on the territory of record plot no. 330 (cadastral district Dobrzykowice, commune Czernica),

#### **[content after change]**

Nature compensation includes the implementation of measures such as:

- restoration of patches of the habitat oak-elm-ash forests 91F0 within the cadastral district plot no: 2 AM 17 (cadastral district Osobowice, commune Wrocław) on an area of 7.2 ha.
- planting of native species of shrubs on the territory of registered plots: no. 232/2, cadastral district Borowa, commune Długoleka (section 48d); No. 838, cadastral district of Grochowa, commune of Zawonia (section 194k); No. 611, cadastral district of Ligota Mała, commune of Oleśnica (section 179c); No. 93, cadastral district of Cielętniki, commune of Zawonia (section 268ix) on the area of 2.85 ha.
- Restoration of several small water reservoirs constituting amphibian habitats, with a total water surface area of no less than 0.6 ha on the territory of record plot no. 330/2 (cadastral district Dobrzykowice, commune Czernica),

- 2) In the Appendix no. 3, *Plan of execution and monitoring of natural compensations* there are changes which are included in the updated version of this Appendix attached to this Annex. Due to the large number of minor changes to Appendix no. 3, it has been agreed, for the sake of clarity and readability of this document, to update the entire Appendix no. 3 instead of using a list of changes to Appendix no. 3 in the body of the Annex.