



UNIUNEA EUROPEANĂ



MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Națională Agency de Protecție Mediului
județ Prahova/Brașov



Ministerul de Educație și Cercetare
2007-2013



TRANS
MĂRIȘTELE DE ÎNĂLȚĂRI, CONȘTIINȚĂ ȘI CALITATE

Project: MONITORING THE ENVIRONMENTAL IMPACT OF THE WORKS REGARDING THE IMPROVING OF THE NAVIGATION CONDITIONS ON THE DANUBE RIVER BETWEEN CALARASI AND BRAILA, km 375-175

MONTHLY REPORT NO.78: 1 – 31 October 2017

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT
1 - 31 October 2017
Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.78	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 78
2	Communication of the project phase and results to the beneficiary - AFDJ Galați	<ul style="list-style-type: none"> ○ Elaboration of the addresses sent to AFDJ Galati 	
3	Coordination and checking of the field monitoring activity	<ul style="list-style-type: none"> ○ Checking the continuous monitoring stations, velocity measurements and bathymetry ○ Checking the monitoring stations for sturgeons ○ Checking the sampling campaigns 	
4	Coordination of the project implementation team and permanent monitoring of the progress of proposed activities for the reporting period	<ul style="list-style-type: none"> ○ Working meetings 	
5	Approval of experts' monthly activity reports		
6	Checking and approving the documents elaborated in month 78 of the project activity		
7	Coordinate the drafting of Interim Report 17		
8	Coordinate the Phase Report for post-construction in CP 10		
9	Elaborate the project activities program for the next period (1 - 30 November 2017)		

Project leader,
PhD eng. Deák György



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6.3.2. Expert position: WATER AND SOIL MONITORING EXPERT - Gina Ghiță

MONTHLY REPORT 1 - 31 October 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PHYSICAL- CHEMICAL LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ Conducting the specific standard procedures for analytical data quality assurance; ▪ Physical-chemical laboratory analysis for soil, water and sediments sample collected in September 2017 	<ul style="list-style-type: none"> ▪ data regarding soil, water and sediment quality
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report 78 ▪ Contribution to Interim Report 17 ▪ Contribution to Phase Report for post-construction stage completion - CP10 	Reports

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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Project: MONITORING THE ENVIRONMENTAL IMPACT OF THE WORKS REGARDING THE IMPROVING OF THE NAVIGATION CONDITIONS ON THE DANUBE RIVER BETWEEN CALARASI AND BRAILA, km 375-175

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6.3.3. Expert position: AIR AND NOISE MONITORING EXPERT - BORȘ ADRIANA (chemist 2)

MONTHLY REPORT 1 - 31 October 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Processing and assessing the data and measurements obtained regarding air quality	Processing the data measured in the field, at secondary critical points CP 03A, 03B, 04A, 04B, 07	Analysis bulletins
2.	Preparing the Phase Report on post-construction monitoring in main critical point CP10 for August 2014 - July 2017	Preparing the Phase Report on post-construction monitoring for air quality and noise level in main critical point CP10	Phase Report on post-construction in CP10
3.	Other activities	<ul style="list-style-type: none"> ○ Participation to the meetings of the project implementation team, in order to plan and conduct future activities ○ Contribution to Monthly Report 78 (Air and noise monitoring chapters) ○ Contribution to Interim Report 17 drafting 	Reports

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



6.3.4 Expert position: ICHTYOLOGIST 1 EXPERT - Sturgeons and barbell -CRISTEA VICTOR

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Monitoring of sturgeons' migration in CP01 and CP02 (02,03,06,13,17,20,21, 24,27,31.10.2017)	<ul style="list-style-type: none"> - scientific fishing for sturgeons' species on Borcea branch - ultrasonic and T-bar "antipoaching" tagging for 13 sturgeons specimens: 5 sterlet, 5 starry sturgeons, 2 beluga and 1 diamond sturgeon on Borcea branch. - ultrasonic tagging and with T-bar "antipoaching" type for 2 beluga specimens, accidentally captured by the commercial fishermen - recapturing a beluga specimen - active monitoring with VR100 for ultrasonic tagged sturgeon specimens. - data downloading from the monitoring systems 	Report
2.	Data processing	<ul style="list-style-type: none"> - Contribution to Monthly Report 78 - Drafting the Phase Report on post-construction in CP10 	Reports

Ichthyologist Expert,
 PhD eng. Victor CRISTEA

Project Leader,
 PhD eng. DEÁK György



6.3.6. Expert position: HYDROLOGY EXPERT - PhD eng. George POTERAŞ

MONTHLY REPORT
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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing for turbidity, temperature and relative level, recorded in automatic stations in October 2017	Statistical processing of level, temperature and turbidity data recorded in October 2017, in automatic stations from the monitoring sector.	Statistical indicators, turbidity and temperature variation graphs, hodographs of the relative and absolute water level, water gradients, correlations between the automatic monitoring stations.
2.	Contribution to Monthly Report 78	Processing and interpretation of specific data.	Drafting the Hydrology subchapter, for hydromorphological monitoring activity and for Annex 6.5.

Expert,
 PhD eng. George POTERAŞ

Project Leader,
 PhD eng. Deák György



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6.3.7. Expert position: HYDRAULIC SEDIMENTOLOGY EXPERT - Gh. Viorel UNGUREANU

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (02, 03, 09, 10, 16, 17, 18, 25, 26.10.2017)	Single-beam bathymetric measurements in main critical points for sections profiling	Pre-processed and primary bathymetric data
2.	MONITORING CAMPAIGN (02, 03, 09, 10, 16, 17, 18, 25, 26.10.2017)	ADCP measurements for flow and velocity, on the monitoring sector	Unprocessed velocities data
3.	OTHER ACTIVITIES	Continuing the measurements processing for flow and velocities from previous months	Processed data for flow and velocities Velocities sections
		Contributions to Monthly Report 78	Chapter Hydromorphology and Annex 6.5
		Drafting the program proposal for 1 - 30 November 2017	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza Florea

MONTHLY REPORT 1 - 31 October 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> Qualitative and quantitative analysis for benthic macroinvertebrates samples collected from CP 01, 02, 03A, 03B, 04A, 04B, 07 (campaign 7- 8.09.2017) 	<ul style="list-style-type: none"> 20 analyzed sample units
2.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> Determination of abundance and numerical density on taxonomic groups for benthic macroinvertebrates Calculating the Shannon-Wiener diversity index for macroinvertebrates samples Drafting the list of saprobiological indicators of water quality Graphic representation for the quality data resulted from macroinvertebrates samples analysis 	Values for quality indicators

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



6.3.13 Expert position: AVIFAUNA MONITORING EXPERT - JOZSEF SZABO

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No	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p style="text-align: center;">MONITORING CAMPAIGN FOR AVIFAUNA - AUTUMN MIGRATION</p> <p style="text-align: center;">(09-13, 16-20,23-25.10.2017)</p>	<ul style="list-style-type: none"> ○ Field campaign in main and secondary critical points ○ <ul style="list-style-type: none"> ▪ Census of aquatic avifauna - assessments from the shore and from the boat 	<ul style="list-style-type: none"> ○ observation sheets; ○ data ○ photos ○ lists of species
2.	<p style="text-align: center;">OTHER ACTIVITIES</p>	<ul style="list-style-type: none"> ○ Analysis and processing the data from campaign ○ Contribution to Monthly Report 78 ○ Contribution to Interim Report 17 ○ Contribution to Phase Report for post-construction stage in CP10 	<p style="text-align: center;">Reports</p>

Expert,
JOZSEF SZABO

Project Leader,
PhD eng. **DEÁK György**



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6.3.14. Expert position: ANTHROPIC IMPACT MONITORING EXPERT - AMBRUS LASZLO (ecologist 1)

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (06, 20.10.2017)	<ul style="list-style-type: none"> ○ field campaign in main critical points areas and in secondary critical points to set out the fixed and mobile sources for noise and emissions, in order to establish the anthropization degree; 	<ul style="list-style-type: none"> - data - photos
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to Monthly Report 78 	Reports

Expert,
 AMBRUS Laszlo

Project Leader,
 PhD eng. DEÁK György



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6.3.15. Expert position: Assessment/Monitoring the impact on biodiversity - HOLBAN Elena (ecologist 2)

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING OF ANTHROPIC IMPACT ON BIODIVERSITY (09-13.10.2017)	Observation on anthropic impact on Natura 2000 sites avifauna: <ul style="list-style-type: none"> ✓ Field campaign in critical points and dobrogean lakes area: Iortmac lake (ROSPA0056), Oltina lake (ROSPA0056), Dunăreni lake (ROSPA0054), Vederoasa lake (ROSPA0007), Baciulake (ROSPA0007), Sărat lake (ROSCI0307). 	
2.	Other activities	<ul style="list-style-type: none"> ○ Contribution to Interim Report 17 ○ Contribution to Phase Report for CP10 	Report

Expert,
 PhD Elena Holban

Project Leader,
 PhD eng. DEÁK György



6.3.16. Expert position: EXPERT ASSESSOR OF THE MONITORING RESULTS - Marian TUDOR

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing related to aquatic and terrestrial ecosystems for Interim Report 17	Determination of primary statistical values	Primary statistical values
2.	Corroborate the monitoring results for abiotic and biotic parameters for Interim Report 17	Determination of intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation
3.	Data processing for Phase Report on post-construction in CP10	Establishing primary statistical values	Statistical parameters

Expert assessor,
 PhD Marian TUDOR

Project Leader,
 PhD eng. DEÁK György