



REPUBLIC OF ALBANIA
MINISTRY OF ENVIRONMENT, FORESTRY
AND WATER ADMINISTRATION



MONTENEGRO
MINISTRY OF TOURISM AND SUSTAINABLE
DEVELOPMENT

LAKE SKADAR-SHKODRA INTEGRATED ECOSYSTEM MANAGEMENT PROJECT (LSIEMP)

PROGRESS REPORT
MAY 2011

I. JOINT ACTIVITIES - ALBANIA AND MONTENEGRO

- **Development of Joint Lake Management Strategy including National Fishery Management Plans.** Draft final report has been submitted on March 19, 2012. First public debate was held on 29.03.2012 in the premises of Ministry of Sustainable Development and Tourism. Since this event was poorly visited, another round of consultation was suggested by project coordinator and eventually held in the premises of the REC offices in Montenegro (02.04, 2012). This round of consultation was very well attended. Consultant is currently updating Draft final report based on comments provided. Extension of the Contract (at no cost) has been proposed by the Consultant until July 15, 2012.
- **Designing of predictive hydrological model for Lake watershed area** –Final report delivered on November 22, 2011, finally approved on December 23, 2011 and therefore assignment, according to the respective ToR and contractual obligations, can be considered completed. **It has been agreed during last Supervision Mission (December 12-19, 2011)**, that mutual agreement to secure joint use of this tool will be in place. Letter for nomination of Albanian institution as users of the PHM has been received (11.04.2012) and due to the recent Institutional reforms in Montenegro (merging of Hydro-meteorological institute and National Metrolgy Institute), it is expected that agreement will be finalized and signed end of June, 2012 (if possible during SLC meeting).
- **Joint Database.** The final report including the database has been submitted and approved. Both sides have agreed to host it in IWLEARN. Draft contract of the consultant for transfer of database has been submitted to the Bank for No Objection. The transfer and operability of the database will be done in less than one month.
- **The study Trip with SLC.** The trip was organized by GWP Med with approval from the World Bank. SLC visited International Sava River Basin Commission (ISBRC) in Croatia and International Commission for the Protection of the Danube River (ICPDR) and Lake Neusiedle in Austria. Six commission members and both project coordinators participated in this trip. The trip

achieved its objectives to assist Skadar-Shkoder Lake Commission towards the sustainable management through the transfer of experiences from these similar transboundary commissions.

- **Study Trip with WGS.** As there have been several trainings of the local stakeholders on wetland management it was agreed between both PIUs and the Bank to make a study trip with active members of the WGs in some similar protected areas. Preparations for this trip by both PIUs are in process and agenda, site and participants will be finalized until July 15. The study trip will be organized in September 2012.
- **Second Public Awareness Campaign.** The contract has been signed and first activities have started. The first joint fair of handicraft was organized in Shkodra during the visit of Mr Armitage and Ms Lvovski. Other activities are in process.
- **Legal Framework Harmonization.** RFP has been sent to the selected company and contract foreseen to be signed within June 15, 2012.
- **Investigation of Skadar/Shkodra lake water eutrophication level.** The contract has been signed and inception report has been received.
- **SLC meeting.** Upcoming SLC meeting will be held in Podgorica on June 07 in the presence of the WB Mission.

Issues

- There is still no agreement between countries on financing of joint Secretariat and work of the SLC and joint WG for 2012. This is major threat to the sustainability of project objective goals and need prompt reaction from both countries.

II. NATIONAL ACTIVITIES-MONTENEGRO

Pilot renovation of cultural sites/visitor centers -Besac

Contract signed with Open plan consulting, Italy on 21 of June 2011 and draft General design received on August 23, 2011. Open plan Consulting delivered General design approved by the revision committee on October 20, 2011 on Montenegrin language. After translation finalized and updating of the general design in accordance with WB comments No Objection was issued on April 27,2012 subject to addressing one last comment from the WB team. At the same time, Ministry of Culture of Montenegro informed us that tender for construction works, based on the delivered general design, has been published

Works on migratory waterfowl monitoring stations

General design has been prepared and submitted for the revision committee approval (March 27,2012) and partial translation was submitted to the WB (May 1st, 2012). The General design received NO from the WB on May 27,2012 and it is pending for approval from national revision committee in order to obtain the construction permit as a precondition for publishing respective tender for civil works. In order for civil works to be finalized, call for tender should be published not later than end of June, 2012.

Expertise on fishermen organization support

Contract has been signed on April 9th, 2012. Deadline for executing the services is set to be 4 months from day of signature.

Vranjina WWTP construction

After elaboration of conclusions from general design (prepared by IK Consulting) and conclusions from revision committee (which concluded that costs of construction of the Constructed wetland as a WWTP for Vranjina will cost more than predicted in General design – in total 4.099.385,00 USD), Ministry of Sustainable Development and Tourism decided that this investment is not sustainable and informed the World Bank on such position (letters from March 13, 2012 and May 05,2012).

At the same time Ministry expressed request to explore possibilities for re-allocation of respective funds (440 000 USD) to the other and/or different activities and/or extension of project duration in order to utilize remaining funds that should not be spent for construction works according to the existing general design which is rated to be “highly unsustainable”.

KAP Studies on waste inventory, site investigation, option analyses and feasibility study

The Contract for this assignment was signed on November 15th, 2010 with SWECO International, Sweden, with sub-consultant “Regional Environmental Center for Central and Eastern Europe (REC)”, Hungary, and sub-consultant “Center for Ecotoxicological Researches (CETI)”, Montenegro, and sub-consultant “Geological Survey”, Montenegro and sub-consultant “Umeå University”, Sweden.

Updated Site investigation report has been submitted by SWECO on March 5th, 2012. Report was adopted during KAP SC meeting that was held on March 20, 2012. At the same meeting Consultant requested extension of the Contract until July 15, 2012. This proposal was accepted by the KAP SC members (under precondition of WB approval), and position was expressed that no more Consultant delays can be approved since EIA assignment should start as soon as possible. SWECO is at least 6 month late with submission of BEPO report, which has been delivered on May 24,2012

EIA to the KAP Waste Dump Site Remediation Options -Request for Expressions of Interest: Environmental Impact Assessment to the KAP waste dump site remediation options has been published on December 12, 2012. After combined Technical and Financial Evaluation Report for titled consultancy was approved by World Bank (March 08, 2012), first ranked company COWI A/S, Denmark, was invited for negotiations that was successfully concluded on April 20,2012. Draft Contract has been approved by the WB on April, 23, 2012 and Contract has been sent to the Consultant for final approval and signature on April 27, 2012. Contract has been signed on April 27,2012.

KAP International Technical Adviser (ITA) – The KAP ITA conducted two field visits in period: November 2011- May 2012 (first on

November 3, 2011 – 3+5 days, and the latter in March, 2012 -3.5+5 days) Main topics covered during these visits were related to commenting of the SWECO site investigation report and updated site investigation report, participating at the KAP SC meeting and continues capacity building of Environmental Protection Agency and Ministry of Spatial Planning and Environment for implementation of Integrated Pollution and Prevention Control (IPPC) legislation.

1	2	3	3a	4	5	6	7	7A	8	8A	9
Contract (Description)	Type of contract	Amount financed by the GEF (million USD)	Negotiated amount	Number of Contract	Procurement Method	Review by Bank (Prior / Post)	Expected Contract signature Date	Exact Contract signature Date	Expected contract completion date in procurement plan	Expected contract completion date	Comment
Component 1 – Understanding and management of Lake Skadar Ecosystem											
1. Project Coordinator (local)	CS	0.105		1	Individual	Prior	02/21/2009		09/30/2012		Ongoing
2. Operating cost for Project Coordination Team	OC	0.0267		-	-	-	Annual Plan				Annual Plan
3. Office equipment (Combined with Line 18)	G	0.0013		1	Shopping	Prior	02/23/2010		03/15/2010		Completed
4. Operating cost for the TSU (**)	OC	0.048		-	-	-	Annual Plan				Annual Plan
5. Seminars, workshops, study tours for working groups (*)	TR	0.050		-	-	-	Annual Plan				Annual Plan
6. Operating cost for working groups (*)	OC	0.020		-	-	-	Annual Plan				Annual Plan
7. Development of Lake-wide Management Strategy, including Fishery Management Plans (*)	CS	0.060	42.541,20 EUR	1	CQ	Post	06/27/2011	06/27/2011	01/12/2011	15/07/2012-ongoing	Draft final report submitted on March 19, 2012 Final report is due for end of June 2012.
8. Develop joint lake water/ecological	CS	0.040	29.000 EUR	1	CQ	Prior	11/05/2010	05/11/2011	09/15/2011	09/15/2012-completed	Completed

Monitoring Program (*)												
9. TA for designing predictive hydrological model (*)	CS	0.280	228.150,00 EUR	1	QCBS	Prior	11/15/2010	11/15/2010	09/30/2011	31/12/2011 completed	Completed	
Component 2. Enhancing Sustainable use of Lake ecosystem												
10. Capacity building on tourism (local - first year contract financing only from GEF)	CS	0.0125	8.400 EUR	1	Individual	Prior	02/15/2010	02/15/2010	02/15/2011	02/15/2011 - completed	Completed	
11. Project Design for selected cultural monument	CS	0.100	67.000 EUR	1	CQ	Prior	06/21/2011	21/06/2011	08/30/2011	15/05/2012 ongoing	Approved on April 27,2012 as a subject of addressing of one last comment from the WB.	
12. Works on migratory waterfowl monitoring stations	CW	0.950		1	Shopping	Prior	12/30/2011		30/07/2012	30/09/2012 – not started yet	General design prepared. National revision committee pending.	
13. Capacity building for local communities cooperation (local – first year contract financing only from GEF)	CS	0.0125	8.400 EUR	1	Individual	Prior	02/15/2010	02/15/2010	02/15/2011	02/15/2011 - completed	Completed	
14. Different Equipment for fishermen organization support (fishing nets, etc)	G	0.010		1	Shopping	Post	03/01/2011		05/01/2012	05/03/2012 Not started yet	Will start after conclusion of PP line 15	
15. Expertise on fishermen organization support	CS	0.020		1	Individual	Post	10/01/2011	04/09/2012	02/15/2012	04/15/2012 – ongoing	Contract signed on April 9 th , 2012	

											Inception report should be submitted until end of the May, 2012
16. Motorized Small Boats (three types) for Enhancing Lake protection enforcement capacity	G	0.090	68.570,00 eur	2	Shopping	Prior	02/12/2010	02/09/2010	03/15/2010	03/15/2010 -completed	Completed
17. Vehicles for Enhancing Lake protection enforcement capacity	G	0.050	38.300.00 EUR	2	Shopping	Prior	02/26/2010	23/02/2010	03/16/2010	03/15/2010 -completed	Completed
18. Other equipment (binoculars, cameras, walkie-talkie, compass, etc) for Enhance Lake protection enforcement capacity	G	0.010	12.237.65 EUR	1	Shopping	Prior	02/23/2010	02/16/210	03/15/2010	03/15/2010 -completed	Completed
Component 3. Investment to protect water quality											
19. Vranjina WWTP building construction	CW	0.440		1	NCB	Prior	12/31/2011	n/a	09/15/2012	N/A	Request for exploration of possibilities for re-allocation of respective funds /extension and/or change of activity submitted to the WB.
20. Study on waste inventory, site investigation, option analyses and feasibility study	CS	0.880	795.000,00 EUR	1	QCBS	Prior	11/15/2010	11/15/2010	05/15/2012	07/15/2012 - ongoing	Updated Site investigation report submitted on March 5 th , 2012
21. Environmental impact	CS	0.100		1	CQ	Prior	04/27/2011		05/15/2012	09/30/2012 – not started yet	Contract signed on April 27, 2012.

assessment											Inception report expected until end of May 2012
22. International advisor KAP hazardous waste containment	CS	0.103		1	Individual	Prior	11/01/2009	11/01/2011	11/01/2011	05/31/2012 -ongoing	Ongoing The KAP ITA conducted two field visits in period: November 2011- May 2012 Contract amendment at no cost will be prepared to cover period of ITA work in June and July 2012

Contract for the Audit for 2010 signed on July 25, 2011 and concluded on 10/31.2011. 1.400.00 EUR from national contribution/

EXPENDITURES

Disbursed until May 9, 2012 (USD)	Spent until May 9,2012 (US\$)	Committed until September 30,2012
1.481.000,00	1.261.000,00	712.000

ISSUES:

- Vranjina WWTP general desing is rated as “financially not sustainable” by the Ministry of Spatial planning and environment, thus additional activities/options needs to be discussed
- Some of the activities shows constant tendency of being delayed (KAP FS, Ornithological station) that may make influence of timely delivery of other assignments (KAP EIA). Therefore precaution measures for proper management need to be agreed as soon as possible

III. NATIONAL ACTIVITIES ALBANIA

Business plan for SLC Secretariat. Starting from January 2012, the Secretariat does not have any staff in place due to lack of financing from the MoEFWA, and so no plan was prepared for this Secretariat.

Estimated cost for supplemental works at the stream bank erosion control site. The proposal for the supplemental works was sent and approved by the World Bank

Counterpart funding for coverage of foreign exchange losses. The letter with respective funding is signed by the Ministry of Environment Forestry and Water Administration and approval is expected from the Ministry of Finance.

New proposal to replace initial assignment of works for community based lakeside vegetation pilot. Municipality of Shkodra has proposed the rehabilitation of the other stream in Shiroka, known as Stream of Radovaneve. A WB social expert has observed social aspects on site and the WB has approved its financing. The design is prepared by the Municipality and final approval by the WB for initiation of procurement procedures is expected soon.

ToRs for proposed Beneficiary Assessment Socio Economic Survey. These ToRs have been prepared and sent to the WB.

Proposed activities for remained unallocated GEF budget. Based on proposals from the project beneficiaries, Municipality of Shkodra, DFS and FMO, the proposals have been sent which include fire prevention equipments for DFS, additional funds for the newly proposed stream rehabilitation, nets and fuel for the FMO.

Revised Protected Area Management Plan. The revised plan is sent to the WB.

Sign contract for laboratory services for environmental monitoring. Evaluation report completed and contract expected to be signed on June 01, 2012

Works for pilot renovation of cultural site in Shkodra. Contract deadline has been extended because of heavy rains for very long period of time. This was requested by the company and approved also by the supervisor of works.

Works for stream bank erosion control. Rehabilitation works have been finalized within the contract timeframe

Conclusions on the revaluation of the forest fire damage. This conclusion of revaluation of the forest fire damage was not done so far by the DFS.

Procurement Plan Albania

NR	Contract (Description)	Type of Contract	Number of Contracts	Procurement method	Review by Bank Prior/Post	Expected Contract signature date	Expected Contract completion date	Status	Issues
	Component One: Understanding and Management of Lake Shkodra Ecosystem								
1	Project Coordinator	CS	1	Individual	Prior	07/03/2008	09/30/2012	ongoing	Need to be clarified contract financing after September 2012.
2	Operating Costs for the PIU	OC	-	-	-	Annual Plan		Ongoing	
3	Project Vehicle	G	1	Shopping	Prior	02/13/2009	03/13/2009	completed	
4	Secretariat Staff Local (Previous Secretary)	CS	1	Individual	Prior	09/30/2008	11/30/2009		
	A). Joint Secretary	CS	1	Individual	Prior	05/01/2010	12/31/2011	No staff in place since January 01, 2012	This needs to be clarified with the Ministries
5	Assistant for Secretariat (Previous Assistant)	CS	1	Individual	Prior	09/30/2008	11/30/2009		
6	Operating Costs for Secretariat	OC	-	-	-	Annual Plan		Completed	
7	Operating Costs for SLC	OC	-	-	-	Annual Plan		Completed	
8	IT Equipments and Furniture for SLC Secretariat (*)	G	2	Shopping	Prior	04/01/2009	05/30/2009	Completed	Needs to be clarified with MoEFWA who will be on charge of these equipments
9	Laptop for the Project Coordinator	G	1	Shopping	Post	07/30/2010	08/30/2010	Completed	
10	Refurbishment of SLC Offices	CW	1	Shopping	Prior	02/01/2009	02/28/2009	Completed	Needs to be clarified with MoEFWA who will be on charge of this office
11	Refurbishment of the PIU office/space for the PC	CW	1	Shopping	Post	02/22/2010	03/15/2010	Completed	
12	Operating Costs for WGs	OC	-	-	-	Annual Plan		Completed	
13	Seminars, workshops, study tours for the joint structures and the PIU (*)	TR	-	“-“	-	Annual Plan			

	A) Study tour with SLC	TR	1	-	-	Annual Plan		Completed	
	B) Study Tour with SLC	TR	1	-	-	Annual Plan		Completed	
	C) Study Tour with WGs	TR	-	-	-	Annual Plan		Not started yet.	
	D) Training for the PC	TR	-	-	-	Annual Plan		Completed	
	E) Training Procurement and IWC5	TR	-	-	-	Annual Plan		Completed	
14	Legal framework harmonization and integrating the role of the Commission into national legislation (*)	CS	1	CQ	Prior	06/15/2012	09/30/2012	Not started Yet. Technical Financial Proposal expected by June 05, 2012	There is only 3.5 months for this contract completion. This needs to be closely supervised by Ministries.
15	Public Awareness Campaign (*)	CS	2	CQ	Post	09/01/2010	06/30/2012		
	a). Public Awareness Campaign [1] (*)	CS	1	CQ	Post	09/01/2010	08/30/2011	Completed	
	b). Public Awareness Campaign [2] (*)	CS	1	CQ	Post	03/15/2012	09/15/2012	Ongoing	
16	Joint fisheries stock assessment (*)	CS	1	CQ	Post	01/15/2011	03/15/2012	Completed	
17	Joint database transfer and hosting into IWLEARN	CS	1	Single Source	Prior	06/15/2012	07/30/2012	Not started yet	
18	Establish and maintain joint database (*)	CS	1	CQ	Post	01/01/2011	03/30/2012	Completed	
19	Lab equipment for targeted transboundary monitoring programs (*)	G	1	Shopping	Post	09/30/2010	02/28/2011	Completed	
20	Laboratory services for environmental monitoring	TS	1	Shopping	Prior	06/01/2012	09/30/2012	Evaluation done. Contract expected to be signed at the beginning of June.	There is only 4 months for this contract completion. This needs to be closely supervised by MoEFWA
21	Expertise for social economic study (*)	CS	1	CQ	Prior	11/15/2009	01/15/2011	Completed	
22	Local Expertise for targeted studies identified by WGs (*)	CS	5		Post	09/15/2010	06/30/2012		
	Study no 1-Legal framework differences between AI and MN identified by WGs (*)	CS	1	individual	Post	12/01/2010	09/01/2011	Completed	
	Study No 2- Investigation of the eutrophication level of the lake waters.	CS	1	CQ	Post	04/01/2012	08/30/2012	Ongoing. Inception report received	

	Study No 3. Inventory of Tourist facilities and capacities in Lake area in Albania and Montenegro.	CS	1	Individual	Post	04/01/2011	08/30/2011	Completed	
	Study No 4 Inventory of pollution spots in Lake Skadar in Albania and Montenegro	CS	1	Individual	Post	03/15/2012	09/15/2012	Ongoing. Inception report received	
	Study No 5. development and design of specific geodatabase for the skadar-shkoder lake protected area	CS	1	Individual	Post	05/01/2012	08/30/2012	Ongoing Inception report expected soon.	
23	Assistance on Learning and capacity building on international cooperation on water basin management (regional expertise) (*)	CS	1	Individual	Post	10/01/2011	10/31/2011		
	1. Field tip in Lake Skadar for IWC6 Participants	TS	1	Single source	prior	10/13/2011	11/13/2011	Completed	
	2. Printing of promotional materials	G	1	shopping	post	10/13/2011	11/13/2011	Completed	
24	Prepare Lake Wide Zoning and Management Plans	CS	1	CQ	Prior	09/01/2010	05/30/2012	Ongoing Final revised report received. Comments and approval expected.	
	Component 2: Enhancing Sustainable use of Lake Ecosystem								
25	Protection of spawning areas	CS	1	CQ	Post	03/20/2011	06/30/2011	Completed	
26	Expertise on Inventory Cultural Heritage	CS	1	Individual	Post	07/08/2009	03/30/2010	Completed	
27	Pilot renovation of cultural sites.	CW	1	NCB	Prior	12/01/2011	07/30/2012	Ongoing	Contract timeframe extended with 50 days due to heavy rains of this year.
28	Supervision of Construction works for pilot renovation of cultural sites	CS	1	Individual	Post	09/01/2011	02/28/2012	Ongoing	
29	Different equipments for	G	4	Shopping	Post	09/30/2010	02/28/2011	Completed	

	fishermen Management Organization Support								
30	Expertise for Fishermen Management Organization Support	CS							
	A) Business plan for the FMO	CS	1	Individual	Post	09/02/2009	03/30/2010	completed	
	B) Guide on fishery	CS	1	Individual	Post	07/08/2009	12/30/2009	Completed	
	C) Survey on illegal fishing	CS	1	CQ	Post	06/30/2010	07/30/2010	Completed	
31	Survey on Illegal Fishing	CS	1	CQ	Post	04/01/2012	05/15/2012	Ongoing	
32	Equipment to enhance Lake protection Capacity	G	3	Shopping	Post	09/30/2010	02/28/2011	Completed	
33	Operating Costs for Lake Protection	OC	-	-	-	Annual Plan		Completed	
34	Operating costs for the FMO	OC	-	-	-	Annual Plan		Not started Yet (0.020)	
35	Fire prevention equipments for DFS	G	1	shopping	post	05/01/2012	09/01/2012	Not started yet	
36	Fish nets for FMO	G	1	shopping	post	05/01/2012	09/01/2012	Not started yet	
	Component 3: Investment to protect water quality								
37	Public Awareness Local	CS	1	CQ	Post	08/15/2011	12/15/2011	Completed	
38	Design Study of needs for restoring lake Tree groves	CS	1	Individual	Post	10/08/2009	01/15/2010	Completed	
39	Restoring lake tree groves	G	1	Shopping	Post	08/15/2010	03/30/2011	Completed	
40	ESIA for the stream bank erosion control	CS	1	CQ	Post	12/01/2010	05/30/2011	Completed	
41	Design for stream bank erosion control	CS	1	CQ	Post	05/01/2011	08/01/2011	Completed	
42	Stream Rehabilitation 1	CW	1	Shopping	Post	12/01/2011	05/30/2012	Completed	
43	Supervision of construction works for stream bank erosion control	CS	1	Individual	Post	12/01/2011	05/30/2012	Completed	
44	Architectural design for community based lakeside vegetation management pilot	CS	1	Individual	Post	09/15/2010	05/30/2011	Completed	
45	Stream Rehabilitation 2	CW	1	Shopping	Post	05/30/2012	09/30/2012	Not started yet	Decision of the WB on procurement Procedure expected
47	Procurement consultant	CS	1	Individual	Prior	12/16/2008	09/30/2012	Ongoing	

IV. EXPENDITURES ALBANIA

Disbursed until May 30, 2012 (\$)	Undisbursed until May 30, 2012 (\$)	Spent until May 30, 2012 (\$)	Committed/to be spent until September 30, 2012 (\$)	Not started yet
1.351.616	638.383.12	1.280.000	470.000	240.000

V. INDICATORS

PROJECT INDICATORS

Project Outcome Indicators	Baseline	Data Collection and Reporting				Frequency and Reports	Data Collection Instruments	Responsibility for Data Collection
		YR1	YR2	YR3	YR4 (Until June 30)			
<p>Immediate and longer term threats to lake water quality and ecological system are reduced</p> <p>(S)</p> <p>Status of key transboundary indicators of Lake water quality and ecology maintained or improved</p> <p>(P)</p>	<p>Immediate threats: improperly stored hazardous waste in dumpsite affecting groundwater; pollution hotspots from untreated sewerage and soil erosion</p> <p>Long term threats: lack of institutional mechanisms (agreements, plans, agreements, regulations, incentives), data and analytical tools for protection and sustainable management of the lake and its</p>	<p>See Intermediate Outcome Indicators for Components 1, 2 and 3</p> <p>Basic water quality indicators at baseline levels or better</p>	<p>Basic water quality indicators at baseline levels or better</p> <p>72 water samples were tested for physico-chemical parameters. The temperature ranged from 14.1-28.2 °C and pH values ranged from 8.1 to 8.5. The DO values ranged from 6.7 - 9.7 mg/l or 82.3 % - 111 %. The results of conductivity changed from 215-232 µS/m. The average values of NH4-N ranged from 0.025-0.05 mg/L (Fig 2), and the levels of NO3-N ranged from 0.18-0.27 mg/L. The average of fecal coli forms was from 101-102 cfu/100ml in Buna, Zogaj, and Livadhet during June, July, September and October.(Fig. 5). According to the degree</p>	<p>Basic water quality indicators at baseline levels or better</p> <p>According to the MNE EPA State of environment report for the 2010 y quality of the water of Skadar Lake is very good (Water Quality index 85) and belongs to the A2 class according to the national classification Only few locations with exceeding parameters for A2 class (mainly: Nitrates, BPK, temperature) (please see table 1 below the indicators table for more details).</p>	<p>Basic water quality indicators at baseline levels or better</p> <p>(parameters in Annex 1)</p>	<p>Annual or bi-annual</p>	<p>Water quality monitoring and analysis equipment</p>	<p>METP/MEFWA; Designated national scientific institutions</p>

	<p>resources</p> <p>Basic water quality indicators (BOD, Ammonia, Nitrite, Nitrate, CN, Zn, Pb,Cr,Hg, PAH, PCB) at multiple sampling sites all below detection or within Class 1A water quality parameters (see Annex 4);</p> <p>Status of selected transboundary indicators (algal concentrations, PAH/PCB and heavy metals in fish tissues, etc.)</p>		<p>of total coli forms the water can be classified as good to moderate.. From the results taken during this study we can resume that the quality of the Shkodra lake water is good according to the European Community Standards. According to the physical-chemical analyses water quality of Lake Shkodra can be classified as good. According to the microbiological parameters analyzed and EU-Directive for surface waters (Quality of Bathing Water 76/160/EEC), Lake Shkodra results with slight pollution, fecal coli forms (100-2000 cfu/100ml) and total coli forms (100-500 cfu/100ml). I and in most cases G-values of the EU-directive on bathing waters for total coli forms and fecal coli forms were met. The cleanest point resulted was Middle lake and the most problematic point regarding both chemical and microbiological parameters was Buna, because of the</p>					
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			discharging of sewages of the municipality, which has an impact to the water quality in particular areas of river Buna					
Development and water use decisions/actions are guided by bilateral objectives, agreements and structures (P)	2003 MOU signed; Draft Bilateral Agreement signed before project negotiations No bilateral structures in place	Skadar-Shkodra Lake Commission and 4 Working Groups formally established; 4 WGs established: WG on Planning and legal; WG on Water Management; WG on Monitoring and research; WG on Communication, Outreach and Tourism Promotion Working Groups complete vision statements and draft work plans WGs have discussed and given their input to the preparation of Terms of	Working Groups submit to SLC drafts of bilateral plans called for in SAP (tourism, communications/ outreach, monitoring) The WGs discussed Terms of Reference, reviewed reports and gave their input to several joint bilateral documents: Social Economic Assessment, Predictive Hydrological Model, Legal Framework Review, Joint Database, Fish Stock Assessment etc	SLC approval of bilateral plans Specific policy and action measures for bilateral adoption identified On the fourth SLC meeting decision was made to prepare MoU between respective ALB and MNE institutions regarding use of the PHM developed in the framework of the project. 30% of costs of Skadar-Shkodra Lake Commission covered by Government Budgets 100% of the SLC costs agreed to be covered by Government budgets in 2012	SAP updated based on bilateral plans Bilateral Agreement updated based on Working Group/SLC recommendations Bilateral governmental binding agreement with specific focus on the joint structures including SLC and WGs is ongoing. 50% of SLC costs covered by govt. budgets Not done yet.	Semi-annual	Project progress reports; public Annual Reports of SLC; SLC website	MTEP/MEFWA; SLC Joint Secretariat;

		Reference and review of several joint documents such as the Social Economic Assessment, etc.						
Intermediate Outcome Indicators								
Component 1 Capacity Building for Improved Understanding and Joint Management of the Lake								
SLC and Secretariat, lake-wide database and Working Groups are in place and operating; costs of continuing operation and participation are included in Governments' budgets at project's close (P)	None of these structures in place	SLC and Working Groups established; and first meetings held for all 4 WGs established: WG on Planning and legal; WG on Water Management; WG on Monitoring and research; WG on Communication, Outreach and Tourism Promotion. First meetings held Secretariat and Project Coordinators recruited; offices equipped and operational Secretariat and Project Coordinators	2 meetings of SLC held, minutes/conclusions publicly available At least one bilateral activity identified and under implementation for each Working Group Activities identified: Legal Framework review, Joint Public Awareness campaign, Identification of Eutrophication level of the lake waters, establishment of the predictive hydrological model.	2 meetings of SLC held, minutes/conclusions publicly available. Fourth meeting was held on October 07, 2011 One bilateral activity completed for each Working Group Legal Framework review, First Contract of the Joint Public Awareness campaign, completed Database kept updated with input from both countries Database in finalization steps. Documents and data uploaded	Both Governments' budgets fully support SLC/ Secretariat/WG Operating Costs. Government of Montenegro has allocated its share of financing but not yet made effective because Government of Albania has not allocated its share yet. Database kept updated with input from both countries Database finalized. Documents and data uploaded. Database	Annual	Project progress reports; SLC website SLC website	SLC Joint Secretariat

		recruited; offices equipped and operational Equipment/TA for developing database procured Equipments will be procured after preparation of the database	Database operational; historical data uploaded TORs prepared		hosting is in process and will be operational until August 2012.			
Predictive hydrological model of Lake Skadar-Shkoder completed and being used to analyze likely impacts of policies and proposed investment. (P)	No model exists	TORs for development of model and consultant selection completed TORs for development of model and consultant selection completed	Draft hydrological model submitted to SLC, distributed to appropriate stakeholders for review and comment First Reports on hydrological model submitted to SLC and relevant stakeholders	Final hydrological model completed; outreach/dissemination under way Predictive Hydrological Model completed. Installation agreed in SLC to be done in Montenegro	Hydrological model used to analyze impacts of at least 1 proposed water-related development in lake basin Predictive Hydrological Model completed. Agreement on the use of PHM to be signed within July 2012		Report drafts and commentaries	MTEP; Research & Monitoring Working Group; SLC Secretariat
Lake management plan completed and actions taken to legally operationalize the plan. (P)	No lake management plan exists	Bilateral Working Group approves TOR for plan preparation	Draft Lake management plan completed	Lake mgt plan approved by BLCM following stakeholder consultations; identification of measures needed to	Actions taken to legally effect the Lake wide management plan.		Project progress reports; SLC website	MTEP/MEFWA; SLC Joint Secretariat and Planning Working Group

				legally effect the plan in both countries	The development of Joint Lake Management Strategy including National Fishery Management Plans for each country is on-going. Inception Report submitted on July 18, 2011 was approved and Progress report is submitted in line with the project Work Plan and activity schedule, and covers the period from 12.07.-10.10.2011	The development of Joint Lake Management Strategy including National Fishery Management Plans for each country is on-going. Second Public hearing will be held in Montenegro on June 30, 2012			
Component 2: Promoting Sustainable Use of the Lake									
Targeted tourism infrastructure renovations/construction Completed. (S)	Minimal tourism infrastructure exists	Designs completed for hiking trails, eco-camp, cultural sites)	25% of rehabilitation/construction work completed In Montenegro: Agreement with the European delegation in Montenegro and Ministry of Culture of Montenegro for future reconstruction of the Besac fortress achieved TORs for development of general design for	75% of work completed. In Albania restoration works have started on December 01, 2011 and foreseen to be completed 100% in May 30, 2012. In Montenegro general design for reconstruction of the Besac has been completed according to the national	100% of work completed In Albania 100% of restoration works will be finalized by July 30, 2012.	Annual	Project progress reports	MTEP/MEFWA; joint SLC Secretariat	

			reconstruction of Besac fortress and consultant selection completed.	legislation and pending for final NO from the WB team. Based on general design it is expected that European delegation in the MNE will finance restoration works in the amount of the 0.48 mil euro in the first half of 2012.				
Reduction in numbers of fishermen using illegal fishing methods (S)	Estimated 350 unlicensed fishermen (43% of total); 814 cases of illegal methods observed during 1 week survey	In Montenegro 58 % illegal fisherman's registered (No of issued licenses VS No of processed infringements + felonies) For the 2008 year 280 illegal methods registered during course of one year	Unlicensed fishermen not exceeding 30% of total In Montenegro: 21 % illegal fisherman's registered (No of issued licenses VS No of processed infringements + felonies) In Albania number of illegal fishermen decreased from 44% to 38% Not more than 400 cases of illegal methods observed during 1 week survey period In MN for the 2009 year 99 illegal methods registered during course one year In Albania 576 cases of illegal fishing were observed during a one	In Montenegro 17,7 % illegal fisherman's registered (No of issued licenses VS No of processed infringements + felonies) In Albania number of illegal fishermen observed from June-December is 120 or 27% (450 legal, 120 illegal) . In Montenegro for the 2010 year 103 illegal methods registered during course of one year In Albania 8 cases of illegal fishing were observed during banning period in April-May (exact	Unlicensed fishermen not exceeding 20% of total 19 cases of illegal fishing methods were observed during a survey in April 15-May 31 in Albanian side of the lake which is 97.7 % less than 2006 and 95.7% less than 2010 The number of unlicensed fishermen observed is 39 persons, 88.9% less than 2006 and	Every 2 years	Field survey (repeat of baseline survey undertaken during preparation)	MEFWA, SLMNR Authority

			week survey in 2010	figure) and at least 30 cases of illegal fishing were observed in the period June-December (number of illegal fishing methods is not exact, because there was not a certain survey for such illegal fishing methods	85%less than 2010 Not more than 100 cases of illegal methods observed during 1 week survey period			
Increased local understanding of and engagement in sustainable tourism and natural resource management (P)	TBD: survey to be undertaken during first year of project	Completion of survey, providing indicators, baseline measures and targets for awareness and engagement Social Economic Survey initiated	Social Economic completed		Awareness and engagement indicators reach at least 70% of target levels On the Albanian side decrease with more than 70% in illegal fishing activities and unlicensed fishermen is an indicator of increased awareness in natural resource management. Through the activities of the Joint Public Awareness Campaigns	Survey carried out in Year 1; repeated in Year 3 or 4	Socio-economic survey	MTEP/MEFWA

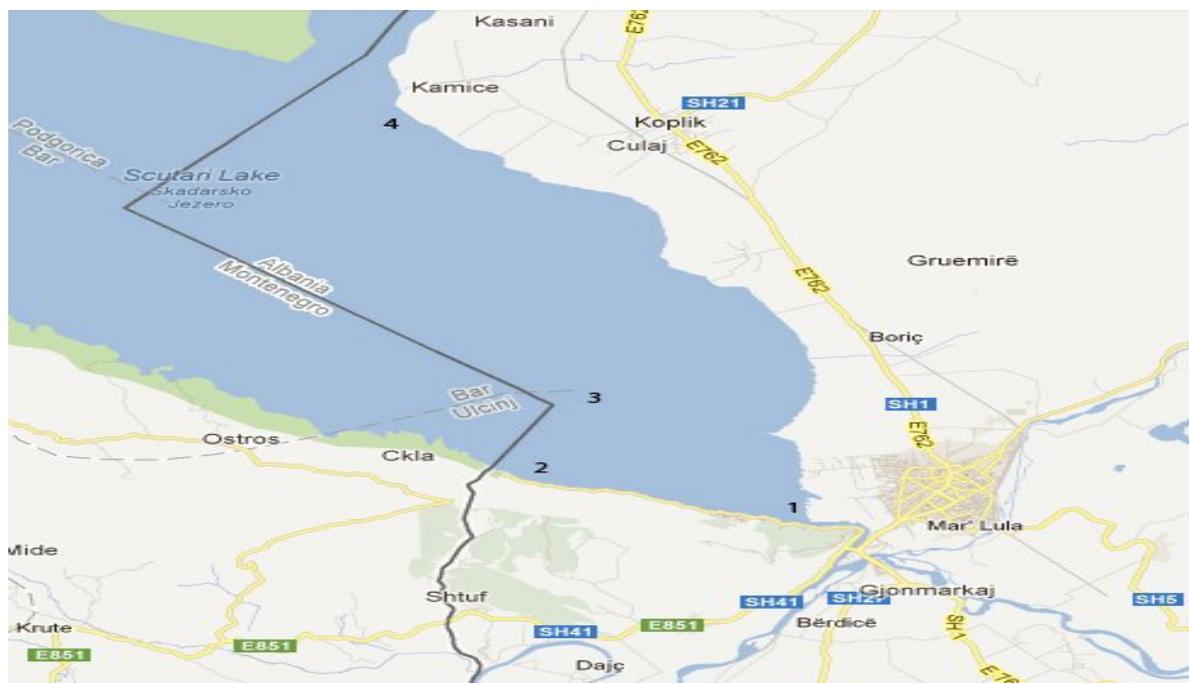
					more than 70% of the community has been informed about the cultural, natural and tourist potentials of the lake.			
Component 3: Catalyze Pollution Reduction Investments								
Government of Montenegro/KAP owners (Rusal) agreement on preferred solution and joint action plan for containment/disposal of hazardous waste dump site at KAP site (P)	Inadequate, outdated information on nature and quantity of legacy waste and site conditions; no basis for analysis of options; no action plan or agreement on way forward	Aluminum Plant Technical Advisor to Government in place KAP ITA consultant selection completed and contracted KAP Project Steering Committee Established KAP Project Steering Committee Established with 11 members and meeting held regularly Waste	Options analysis completed Feasibility study and EIA initiated TORs for development of KAP feasibility study and consultant selection completed.	Feasibility study completed; Site investigation report submitted and Feasibility study expected to be finalized until March 2012. TORs for development of KAP EIA study completed. GoM/KAP owners agree on preferred solution Preliminary design work initiated Draft Agreement on action plan, including funding, implementation responsibilities and modalities	Preliminary design and EIA completed Final agreement on action plan and financing, approved by both Rusal and GoM	Regular	Project progress reports	MTEP; KAP/Rusal

		<p>categorization study completed</p> <p>TORs for Options Analysis/ feasibility study/preliminary design and for EIA completed</p> <p>TORs for Options Analysis/ feasibility study/preliminary design completed</p>		<p>Government of Montenegro received a loan from the International Bank for Reconstruction and Development (IBRD), to reduce the environmental and public risks of selected industrial waste disposal sites through investments in environmental control measures and infrastructure for management and disposal of industrial waste including KAP hazardous waste dump site. Project is in preparation phase and will build on the findings from the Feasibility study and EIA done under LSIEMP.,</p>				
<p>Sewage collection and wastewater treatment system established at Vranjina village (Montenegro) (S)</p>	<p>Only sanitation in place is largely non-functional septic tanks. Visible pollution at outlets</p> <p>TORs for Feasibility study and</p>	<p>Vranjina: baseline water quality parameters recorded at pilot sites; construction of sewerage collection system initiated</p>	<p>Vranjina: sewerage collection system completed</p> <p>TORs for General design for construction of the WWTP constructed wetland and consultant selection completed.</p>	<p>Vranjina: Construction of WWT system completed (anticipated to be constructed wetland)</p> <p>General design for construction of the WWTP constructed wetland finished.</p> <p>Exploring</p>	<p>Vranjina: WWT system used as demonstration site</p>	<p>Regular</p>	<p>Project progress reports</p>	<p>MTEP, Podgorica Municipality, MEFWA, restaurant owners</p>

	environmental review for sewerage/WWT at Vranjina.			possibilities for financing the works in progress				
Area of water buffer vegetation restored in pilot areas to reduce sedimentation and runoff. (S)	2 degraded sites for restoration sites identified; no data on vegetation cover	Indicators, baseline and targets for vegetation cover identified; TORs for contracts prepared	Contracts awarded and restoration work initiated	50% of restoration work completed 60% completed	100% of restoration work completed 100% of the planned works for the stream rehabilitation completed 100% of the planned works for the second stream rehabilitation will be completed until September 28, 2012	Regular	Project Progress Reports	MEFWA

Tab.1. Values for basic water quality parameters in the Skadar Lake

1. Map of sites where samples have been taken



2. The results of analyses of the surface water of Lake Shkodra

March 2012

a) Physical-chemical parameters

Parameter	Unit	Point 1	Point 2	Point 3	Point 4
Temperature	°C	13.8	13.2	13.2	13.5
Conductivity	µS/cm	225	218	280	275
Dissolved oxygen DO	mg/l	7.6	8.5	8.2	8.5
pH		7.8	7.8	7.9	8.0
Turbidity	NTU	8.9	7.6	5.4	6.8
Alkalinity	meq/l	2.8	2.8	2.9	3.05
Total hardness	mg CaCO ₃ /l	128.2	135.8	137.5	135.5

Total dissolved solids	mg/l	218	186	192	195

b) Nutrients

Parameter	Unit	Point 1	Point 2	Point 3	Point 4
Ammonium	mg N-NH ₄ ⁺ /l	0.065	0.028	0.012	0.032
Phosphate	mg P-PO ₄ ³⁻ /l	0.045	0.012	0.008	0.028
Nitrite	mg N-NO ₂ ⁻ /l	0.03	0.01	0.01	0.018
Nitrate	mg N-NO ₃ ⁻ /l	1.35	0.18	0.085	0.35

June 2012

a). Physical-chemical parameters

Parameter	Unit	Point 1	Point 2	Point 3	Point 4
Temperature	°C	23.8	24.5	24.8	26.4
Conductivity	μS/cm	235	232	290	268
Dissolved oxygen DO	mg/l	7.2	8.5	8.9	8.6
pH		8.1	8.0	8.1	7.9
Turbidity	NTU	9.6	8.2	6.2	7.5
Alkalinity	meq/l	2.7	3.05	3.0	3.2
Total hardness	mg CaCO ₃ /l	125.2	132.9	135.5	134.6
Total dissolved solids	mg/l	225	196	205	208

b). Heavy metals in Lake Shkodra sediments and plants

Table 2. Statistical indicators for metals in three types of samples.

Metal	Type of sample	Average	Sh.St.	Min.	Media	Max.	Range
Pb	Sediments	19.56	9.27	9.74	17.46	34.94	25.20

	<i>C.demersum</i>	11.49	8.26	3.24	9.63	23.28	20.03
	<i>V.spiralis</i>	11.29	8.11	3.25	7.71	23.64	20.39
Zn	Sediments	72.14	10.34	62.47	70.99	89.26	26.80
	<i>C.demersum</i>	48.88	9.35	34.63	50.99	57.35	22.73
	<i>V.spiralis</i>	52.57	6.57	43.57	51.35	59.06	15.49
Cu	Sediments	31.94	13.20	22.39	27.95	54.93	32.54
	<i>C.demersum</i>	23.86	8.48	15.67	23.61	37.47	21.80
	<i>V.spiralis</i>	22.54	8.55	14.73	20.71	37.02	22.28
Ni	Sediments	55.3	25.2	32.0	47.8	89.3	57.3
	<i>C.demersum</i>	19.51	3.31	16.33	18.93	24.31	7.99
	<i>V.spiralis</i>	20.95	4.71	13.95	23.28	24.78	10.83

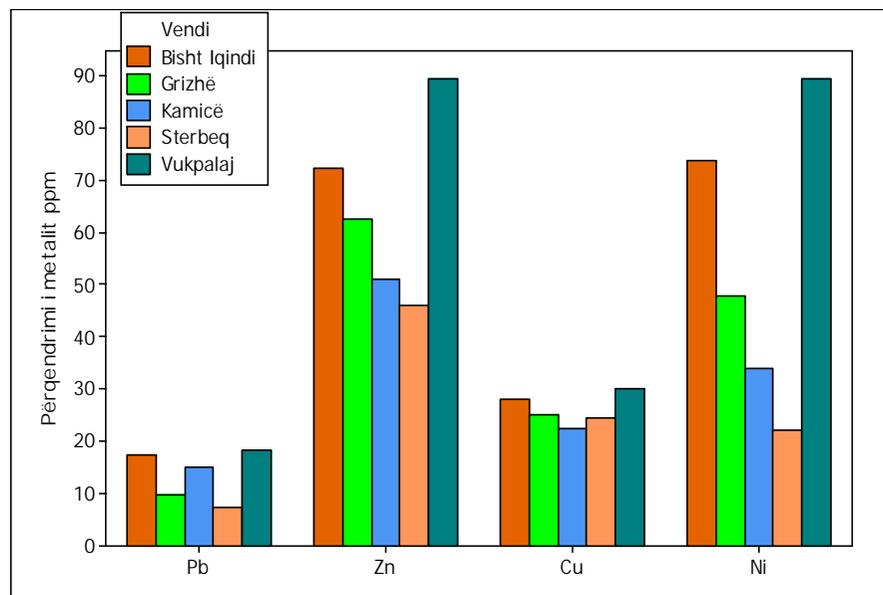


Figure 2. Concentration of metals in sediments as per each site where samples were taken.

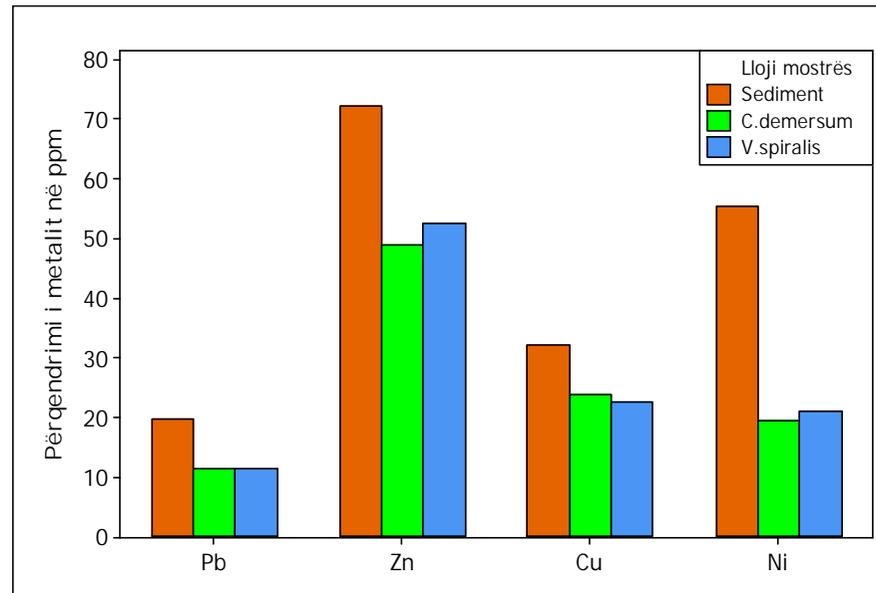


Figura 3. Përqendrimi mesatar i metaleve në sedimente dhe në çdo bimë.

