

901 **Supplementary Material:**

902 Table A1: Results from statistical analyses showing probabilities when significant  
 903 differences in carbon incorporation were established. The labels indicate: S = static; M  
 904 = Mixing; U = UVR+PAR; P = PAR; np = No nutrients; p = nutrients added. For  
 905 example, MUnp indicates the treatment Mixing - UVR+PAR - no nutrients added. LE:  
 906 Lake Enol; LY: Lake Las Yeguas; LC: Lake La Caldera.  
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Lake \ Treatment	LE >3 $\mu\text{m}$		LE 3-0.7 $\mu\text{m}$		LY		LC	
Mixing								0.033
Radiation			0.023		0.000			0.000
Nutrients			0.000		0.005			0.000
Mix*Rad			0.000					
Mix*Nut			0.000		0.037			
Rad*Nut	0.005				0.001			0.000
Mix*Rad*Nut	0.003				0.000			0.000
LE >3 $\mu\text{m}$								
	MUnp	MUp	MPnp	MPp	SUnp	SUp	SPnp	
SUnp	0.048							
SUp	0.023	0.008	0.006	0.004	0.000			
SPp	0.034					0.000		
LE 3-0.7 $\mu\text{m}$								
MPnp	0.020	0.028						
SUnp	0.000	0.000	0.002	0.000				
SUp			0.005	0.029	0.000			
SPnp			0.048		0.000			
SPp	0.001	0.001	0.000	0.000	0.000	0.004	0.000	
LY								
MUp	0.040							
MPnp	0.000	0.000						
MPp	0.000	0.000	0.004					
SUnp	0.038	0.000	0.000	0.000				
SUp	0.008		0.000	0.000	0.000			
SPnp	0.000	0.000	0.021		0.000	0.000		
SPp	0.000	0.000	0.100	0.000	0.000	0.000	0.001	
LC								
MUp	0.009							
MPnp		0.039						
MPp	0.000	0.000	0.000					
SUnp		0.001		0.000				
SUp	0.035			0.000	0.003			
SPnp		0.047		0.000				
SPp	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000

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909 Table A2: Results from statistical analyses showing probabilities when significant differences in excreted organic carbon – EOC (as  
 910 percentage as well as absolute values) were established. The labels indicate: S = static; M = Mixing; U = UVR+PAR; P = PAR; np = No  
 911 nutrients added; p = nutrients added. For example, MUnp indicates the treatment Mixing - UVR+PAR - no nutrients added. LE: Lake Enol;  
 912 LY: Lake Las Yeguas; LC: Lake La Caldera.

Lake Treatment	LE EOC (%)			LY EOC (%)			LC EOC (%)			LE EOC ( $\mu\text{C L}^{-1} \text{h}^{-1}$ )			LY EOC ( $\mu\text{C L}^{-1} \text{h}^{-1}$ )			LC EOC ( $\mu\text{C L}^{-1} \text{h}^{-1}$ )		
Mixing				0.000			0.001						0.000			0.000		
Radiation				0.000			0.000			0.018								
Nutrients				0.010			0.000						0.000					
Mix*Rad				0.001			0.006									0.000		
Mix*Nut				0.000			0.000						0.002			0.000		
Rad*Nut	0.009			0.000			0.015			0.007			0.000					
Mix*Rad*Nut	0.008			0.000			0.017			0.004			0.000			0.016		
<b>LE EOC (%)</b>									<b>LE EOC (<math>\mu\text{C L}^{-1} \text{h}^{-1}</math>)</b>									
E%	MUnp	MUp	MPnp	MPp	SUnp	SUp	SPnp	MUnp	MUp	MPnp	MPp	SUnp	SUp	SPnp				
SUnp								0.009	0.011	0.002	0.001							
SUp												0.002						
SPnp	0.023	0.028			0.006	0.092						0.000						
SPp		0.044	0.007	0.005		0.012	0.000					0.039		0.015				
<b>LY EOC (%)</b>									<b>LY EOC (<math>\mu\text{C L}^{-1} \text{h}^{-1}</math>)</b>									
MUp	0.000							0.000										
MPnp	0.000							0.000										
MPp		0.000	0.000						0.000	0.000								
SUnp	0.000	0.000	0.000	0.000				0.000	0.001	0.039	0.000							
SUp	0.000			0.000	0.000			0.000			0.000	0.004						
SPnp	0.000			0.000	0.000			0.000	0.000	0.018	0.000		0.002					
SPp	0.000	0.011		0.000	0.000	0.007		0.000		0.027	0.001	0.000		0.000				
<b>LC EOC (%)</b>									<b>LC EOC (<math>\mu\text{C L}^{-1} \text{h}^{-1}</math>)</b>									
MUp	0.028							0.000										
MPnp	0.006							0.000	0.000									

MPp	0.000	0.000	0.000						0.004	0.000				
SUnp		0.001	0.000	0.000				0.008	0.000	0.009	0.000			
SUp	0.000	0.000	0.000		0.000			0.000	0.000	0.001	0.000	0.000		
SPnp			0.042	0.000	0.016	0.000			0.000	0.000		0.001	0.000	
SPp	0.000	0.000	0.000	0.009	0.000	0.014	0.000	0.000	0.000		0.000	0.050	0.000	0.000

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