



## PROBIOTIC SLUDGE CLEANING CASE STUDY DECREASES SLUDGE HEIGHT IN LAKES BY 30% WITH PROBIOTICS & WITHOUT CHEMICALS

### KEY BENEFITS

- REDUCED SLUDGE HEIGHT BY 30%, REDUCING DREDGING COSTS
- IMPROVED WATER QUALITY & CLARITY
- LOW COST & SIMPLE TO USE OVER A LARGE AREA
- SOCIALLY RESPONSIBLE, SUSTAINABLE & ORGANIC OPTION
- 100% NATURAL INGREDIENTS & CHEMICAL-FREE
- COMPLETELY SAFE FOR OPERATIVES & FLORA & FAUNA



### THE STUDY

An impartial and independent quality standards laboratory undertook a study at a lake in Cours D'eau Le Saubin St. Ghislain in Belgium. The aim was to measure the effectiveness of TERRAA+ Probiotic Land & Water Bio-Remediation products on reducing sludge height. Sludge is made up of organic waste matter including mud, dead plants and fish excrement. Two sections of the lake were treated with TERRAA+ Water Purifier and ten measurements of sludge height were recorded before treatment began and then after one month of treatment. The Water Purifier's core ingredient is naturally occurring, plant-based helpful probiotic bacteria.

### THE RESULTS

Section One reduced from an average height of 52.6cm down to 34cm. Section Two reduced from an average height of 50.8cm down to 39.5cm. The TERRAA+ Water Purifier sludge height by an average of 30%.

SECTION ONE BEFORE TREATMENT Date: 15.12.17		SECTION ONE AFTER TREATMENT Date: 15.01.18		SECTION TWO BEFORE TREATMENT Date: 15.12.17		SECTION TWO AFTER TREATMENT Date: 15.01.18	
Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)	Measurements Taken	Sludge Height (cm)
1	60	1	54	1	59	1	52
2	63	2	55	2	50	2	47
3	57	3	35	3	43	3	44
4	47	4	42	4	56	4	39
5	44	5	35	5	54	5	40
6	54	6	30	6	48	6	36
7	58	7	32	7	44	7	35
8	43	8	27	8	50	8	37
9	48	9	20	9	53	9	32
10	52	10	10	10	51	10	33
Average Height	<b>52.6</b>	Average Height	<b>34</b>	Average Height	<b>50.8</b>	Average Height	<b>39.5</b>

### THE CONCLUSION

TERRAA+ Water Purifier significantly reduces sludge height in the aquatic environment. See page 7 for TERRAA+ Water Purifier details.

