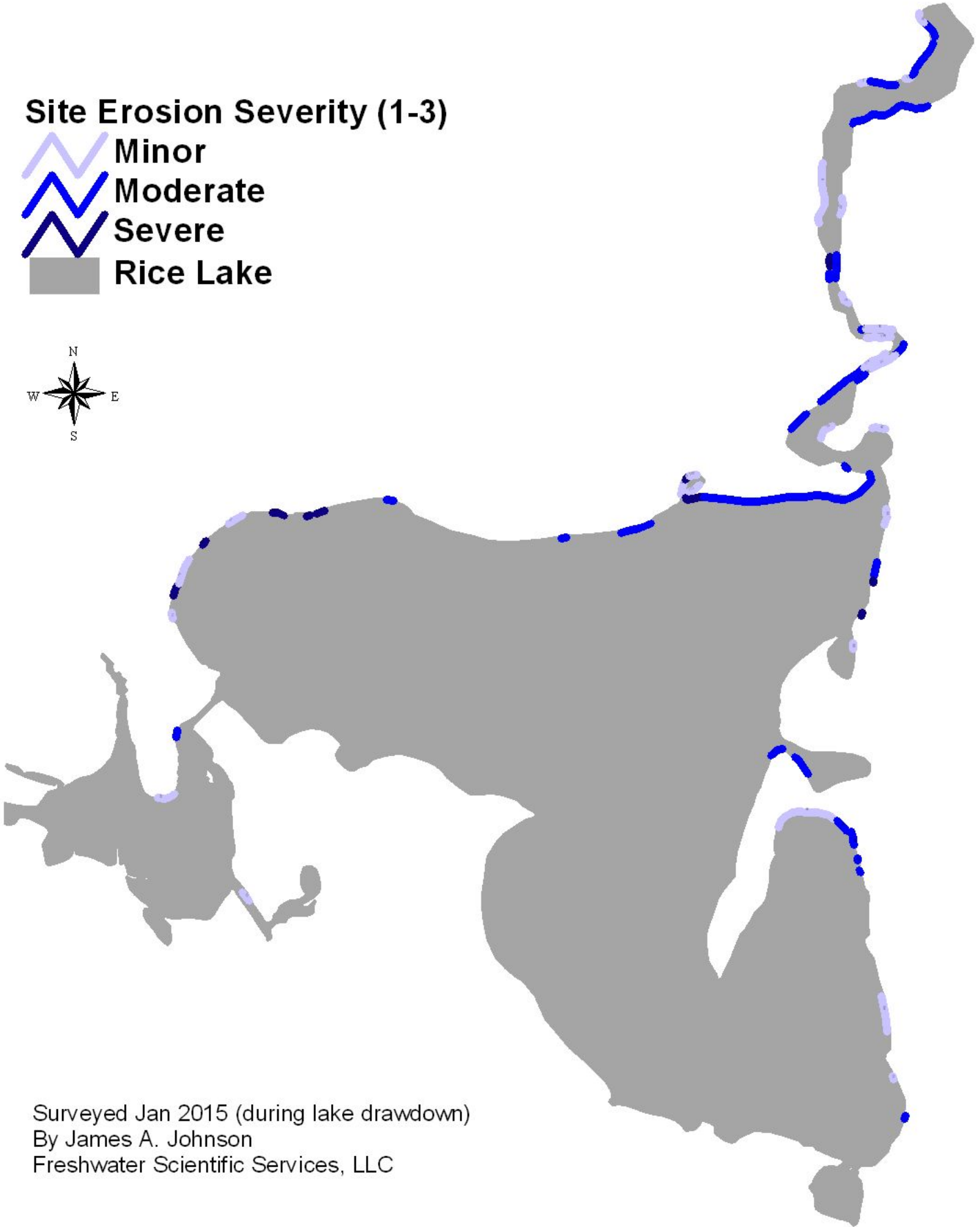


Rice Lake Shoreline Erosion 2015

Site Erosion Severity (1-3)



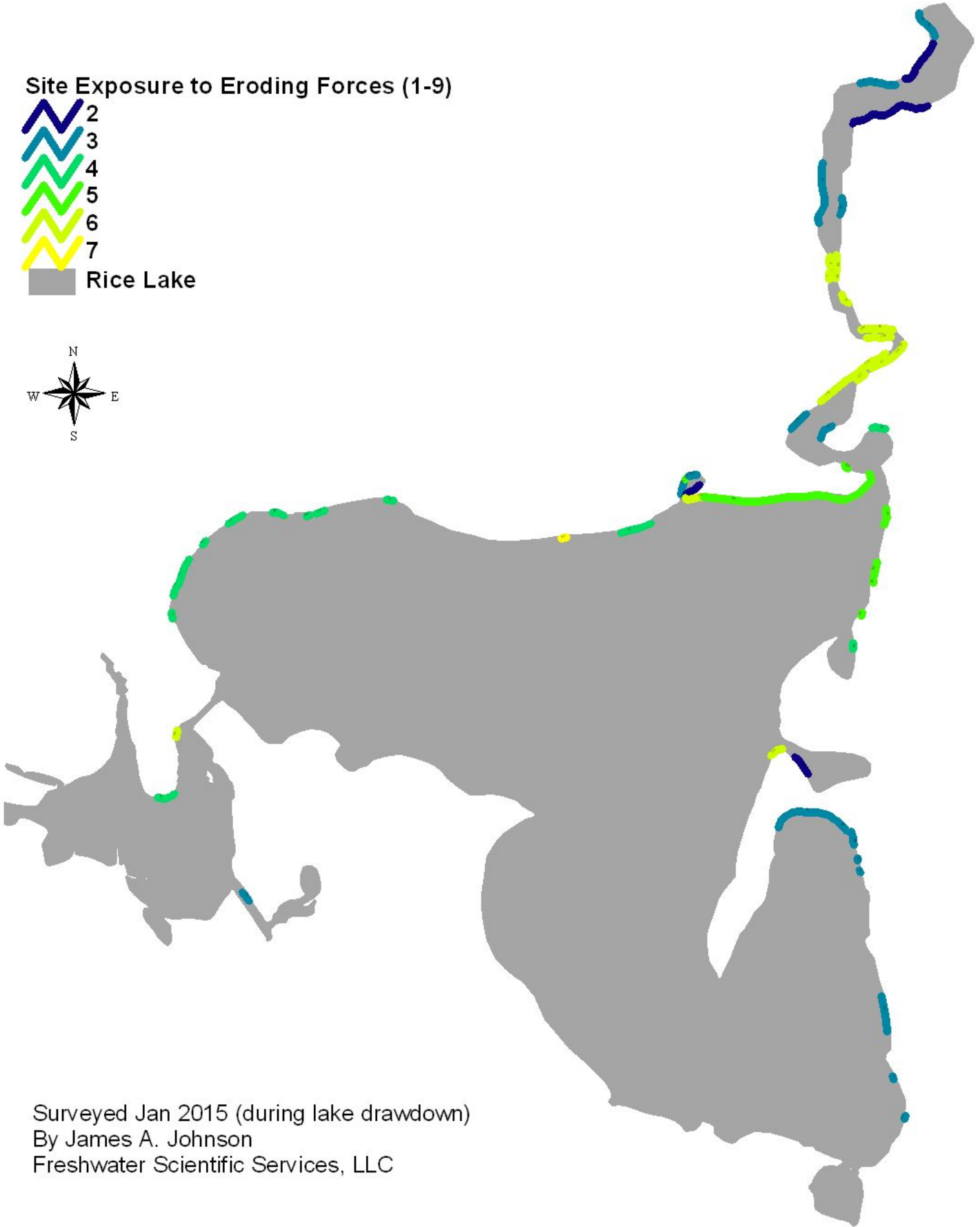
Surveyed Jan 2015 (during lake drawdown)
By James A. Johnson
Freshwater Scientific Services, LLC

Rice Lake Shoreline Erosion 2015

Site Exposure to Eroding Forces (1-9)



Rice Lake

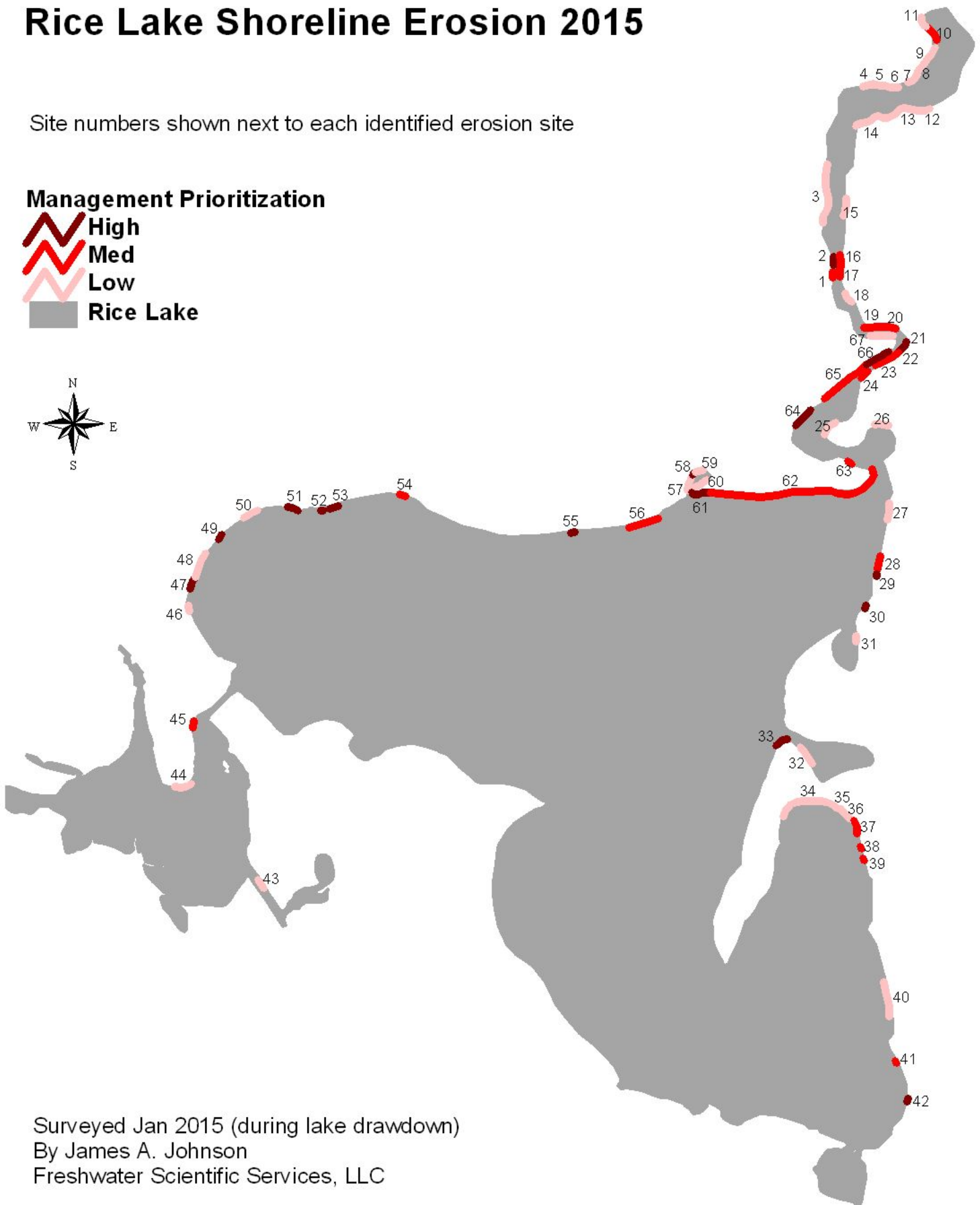


Surveyed Jan 2015 (during lake drawdown)
By James A. Johnson
Freshwater Scientific Services, LLC

Rice Lake Shoreline Erosion 2015

Site numbers shown next to each identified erosion site

Management Prioritization



Surveyed Jan 2015 (during lake drawdown)
By James A. Johnson
Freshwater Scientific Services, LLC

Site	Priority	ErosionSeverity	ExposureTotal	BoatWake	WindWaves	FlowingWater	Protection	Vegetated	RipRap	NearPath	BankHt_FT	Undercut	Undercut_FT	BankCollapse	Notes	Photo
1	Med	2	6	3	0	3	1	1			2	2	1.6			RL 001
2	High	3	6	3	0	3	1	2			3	3	3.3		Tree severely undercut	RL 002
3	Low	1	3	2	0	1	2	3			2	1	1			RL 003
4	Low	1	3	2	0	1	2	3			1	1	0.7			RL 004
5	Low	2	3	2	0	1	2	2			2	0	0			RL 005
6	Low	2	3	2	0	1	1	3			4	1	0.7			RL 006
7	Low	1	2	2	0	0	2	2			2	2	1.6	1		RL 007
8	Low	2	2	2	0	0	2	2			5	3	2.3			RL 008
9	Low	2	2	2	0	0	2	2			5	2	1.3			RL 009
10	Med	2	3	2	0	1	2	2			5	2	1.6			RL 010
11	Low	1	3	2	0	1	2	3			4	1	1			RL 011
12	Low	2	2	2	0	0	2	2			5	1	1	1		RL 012
13	Low	2	2	2	0	0	2	2			5	2	1.3			RL 013
14	Low	2	2	2	0	0	2	2			3	2	1.3			RL 014
15	Low	1	3	2	0	1	2	2			2	1	0.7			RL 015
16	Med	2	6	3	0	3	2	2			3	2	1.6		High exposure to boat wake	RL 016
17	Med	2	6	3	0	3	2	2			3	3	3.9			RL 017
18	Low	1	6	3	0	3	2	2			2	1	1			RL 018
19	Med	2	6	3	0	3	2	2			3	2	1.6			RL 019
20	Med	1	6	3	0	3	1	1			5	1	0.3	1	Minor slumping into creek	RL 020
21	High	2	6	3	0	3	2	2			5	2	1.3	2	Bank collapse imminent	RL 021
22	High	2	6	3	0	3	2	2			5	3	3.3	1	Severe undercut - unstable	RL 022
23	Med	1	6	3	0	3	2	2			5	1	1		High Exposure - boat wake	RL 023
24	Med	2	6	3	0	3	2	2			3	2	1.6		High Exposure - boat wake	RL 024
25	Low	1	3	2	0	2	1	1			2	1	1.3			RL 025
26	Low	1	4	2	1	1	2	3			3	1	0.7			RL 026
27	Low	1	5	2	3	0	2	2			2	1	1			RL 027
28	Med	2	5	2	3	0	2	2			2	2	1.6			RL 028
29	High	3	5	2	3	0	1	1		1	3	2	1.3	1	Collapse near path	RL 029
30	High	3	5	2	3	0	2	2		1	3	3	4.3	1	Severe undercut near path	RL 030
31	Low	1	4	2	2	0	1	1			2	1	1			RL 031
32	Low	2	2	2	0	0	2	2			3	1	1			RL 032
33	High	2	6	3	3	0	2	2			4	2	1.3	1	Shoreline loss evident	RL 033
34	Low	1	3	2	0	2	1	2			2	1	1			RL 034
35	Low	1	3	1	2	0	2	2			2	2	2			RL 035
36	Low	2	3	1	2	0	2	2			2	1	1			RL 036
37	Med	2	3	1	2	0	1	2		1	3	1	0.7			RL 037
38	Med	2	3	1	2	0	2	2		1	3	1	1			RL 038
39	Med	2	3	1	2	0	2	2		1	3	2	1.6			RL 039
40	Low	1	3	1	2	0	2	2			2	1	1			RL 040
41	Med	1	3	1	2	0	2	2		1	2	1	1			RL 041
42	High	2	3	1	2	0	1	1		1	5	1	0.7	1		RL 042
43	Low	1	3	0	0	3	1	1		1	7	1	0.7	1		RL 043
44	Low	1	4	2	0	2	2	2			2	1	0.7			RL 044
45	Med	2	6	3	1	2	2	2			2	1	1		Eroded by pipe inflow	RL 045
46	Low	1	4	1	3	0	1	1			2	1	1	1		RL 046
47	High	3	4	1	3	0	1	1			3	2	1.6	3	100ft bank slumping/collapsing	RL 047
48	Low	1	4	1	3	0	2	2			3	1	0.7			RL 048
49	High	3	4	1	3	0	1	1		1	3	1	0.7	1	Collapse near path	RL 049
50	Low	1	4	1	3	0	2	2			3	1	1			RL 050
51	High	3	4	1	3	0	2	2			4	2	1	2	Bank collapse 10ft wide	RL 051
52	High	3	4	1	3	0	3	1	Y	1	5	0	0	3	Gabbion failure - collapse	RL 052
53	High	3	4	1	3	0	1	1	Y	1	7	2	1.6	2	Erosion @ end of gabbion	RL 053
54	Med	2	4	1	3	0	2	2	Y	1	3	2	1.6	1	Small collapsed area	RL 054
55	High	2	7	1	3	3	3	1	Y	1	7	2	2	1	Erosion around pipe inlet	RL 055
56	Med	2	4	1	3	0	2	2	Y		7	1	1	1	Steep upper bank eroding	RL 056
57	Low	1	3	1	1	1	2	3			2	1	1			RL 057
58	High	3	5	1	1	3	2	2			4	2	1.6	2	Major erosion around pipe	RL 058
59	Low	1	3	1	1	1	2	2			2	1	0.7	1	Minor areas of bank colla	RL 059
60	Low	1	2	1	0	1	2	2			2	1	0.7			RL 060
61	High	3	6	2	3	1	2	2			4	3	2.3	1	Bank collapse	RL 061
62	Med	2	5	2	3	0	2	3			4	1	1			RL 062
63	Med	2	5	3	0	2	2	2			2	2	2			RL 063
64	High	2	3	0	0	3	2	3			3	2	1.3		High Exposure - boat wake	RL 064
65	Med	2	6	3	0	3	2	3			3	2	1.3	1	Areas of bank collapse	RL 065
66	High	1	6	3	0	3	2	3			2	1	1		High Exposure - boat wake	RL 066
67	Low	1	6	3	0	3	2	2			3	2	1.3			RL 067