

		Without Users				With User			
		Not suitable	Low	Moderate	High	Not suitable	Low	Moderate	High
Suitability									
<b>Discharge NQ</b>									
1: Adults Spawning	WUA in m²	690325	6300	14150	6775	692650	11150	7500	6250
	% of the wetted area	96	1	2	1	96	2	1	1
2: Larvea	WUA in m²	541950	25800	142825	6975	513000	93275	108800	2475
	% of the wetted area	75	4	20	1	71	13	15	0
3: Juveniles	WUA in m²	283775	2825	25300	405650	309975	3400	25750	378425
	% of the wetted area	40	0	4	57	43	0	4	53
4 Adults in Winter	WUA in m²	657175	12175	31575	16625	653650	12125	32575	19200
	% of the wetted area	92	2	4	2	91	2	5	3
5: Adults Pre-reproduction	WUA in m²	386700	12950	21300	296600	396575	12600	14300	294075
	% of the wetted area	54	2	3	41	55	2	2	41
6: Adults in Summer/Autumn	WUA in m²	567475	25900	75925	48250	561550	26725	78175	51100
	% of the wetted area	79	4	11	7	78	4	11	7
<b>Discharge MNQ</b>									
1: Adults Spawning	WUA in m²	728150	6975	13350	6775	733550	11300	7325	6150
	% of the wetted area	95	1	2	1	96	2	1	1
2: Larvea	WUA in m²	641950	20550	86350	6000	613600	68850	65425	2150
	% of the wetted area	84	3	14	1	80	12	11	0
3: Juveniles	WUA in m²	372575	4125	20300	364275	401575	4125	20025	341800
	% of the wetted area	49	1	3	47	52	1	3	45
4 Adults in Winter	WUA in m²	628650	16725	36425	77050	626475	15700	33550	83275
	% of the wetted area	82	3	6	10	82	3	6	11
5: Adults Pre-reproduction	WUA in m²	462475	12225	21350	273725	470750	12850	13775	271800
	% of the wetted area	60	2	4	36	61	2	2	35
6: Adults in Summer/Autumn	WUA in m²	537775	28150	83875	114900	534300	26075	80375	116675
	% of the wetted area	70	5	14	15	70	4	13	15

<b>Discharge MQ</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	559100	6975	13350	16000	562450	11300	7325	14350
	% of the wetted area	94	1	2	3	94	2	1	2
2: Larvea	WUA in m <sup>2</sup>	481400	20550	86350	7125	459975	68850	65425	1175
	% of the wetted area	81	3	14	1	77	12	11	0
3: Juveniles	WUA in m <sup>2</sup>	245425	4125	20300	325575	275950	4125	20025	295325
	% of the wetted area	41	1	3	55	46	1	3	50
4: Adults in Winter	WUA in m <sup>2</sup>	506350	16725	36425	35925	511200	15700	33550	34975
	% of the wetted area	85	3	6	6	86	3	6	6
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	354125	12225	21350	207725	358550	12850	13775	210250
	% of the wetted area	59	2	4	35	60	2	2	35
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	412375	28150	83875	71025	423125	26075	80375	65850
	% of the wetted area	69	5	14	12	71	4	13	11
<b>Discharge HQ1</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	755075	10325	22275	23875	763525	14400	14175	19450
	% of the wetted area	93	1	3	3	94	2	2	2
2: Larvea	WUA in m <sup>2</sup>	646500	27375	129050	8625	622375	91325	95125	2725
	% of the wetted area	80	3	16	1	77	11	12	0
3: Juveniles	WUA in m <sup>2</sup>	374300	6675	44300	386275	426575	5525	34775	344675
	% of the wetted area	46	1	5	48	53	1	4	42
4 Adults in Winter	WUA in m <sup>2</sup>	640175	27125	65525	78725	651100	25425	55700	79325
	% of the wetted area	79	3	8	10	80	3	7	10
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	531925	13350	22050	244225	539150	14450	13750	244200
	% of the wetted area	66	2	3	30	66	2	2	30
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	510325	35325	125950	139950	529050	34500	119750	128250
	% of the wetted area	63	4	16	17	65	4	15	16
<b>Discharge HQ2</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	619100	11125	21525	30950	632175	14750	12675	23100
	% of the wetted area	91	2	3	5	93	2	2	3

2: Larvea	WUA in m <sup>2</sup>	586000	18775	71000	6925	570025	57875	52775	2025
	% of the wetted area	86	3	10	1	83	8	8	0
3: Juveniles	WUA in m <sup>2</sup>	334350	6325	32725	309300	393875	5150	22450	261225
	% of the wetted area	49	1	5	45	58	1	3	38
4: Adults in Winter	WUA in m <sup>2</sup>	472100	26925	74275	109400	494400	23525	57725	107050
	% of the wetted area	69	4	11	16	72	3	8	16
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	473075	10425	15550	183650	487425	11075	10200	174000
	% of the wetted area	69	2	2	27	71	2	1	25
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	382650	20775	103050	176225	413075	20275	92775	156575
	% of the wetted area	56	3	15	26	60	3	14	23
<b>Discharge HQ5</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	874400	11000	20875	32525	888550	14500	11150	24600
	% of the wetted area	93	1	2	3	95	2	1	3
2: Larvea	WUA in m <sup>2</sup>	846975	18800	65975	7050	823925	64150	48975	1750
	% of the wetted area	90	2	7	1	88	7	5	0
3: Juveniles	WUA in m <sup>2</sup>	593800	6275	30150	308575	641550	5125	21075	271050
	% of the wetted area	63	1	3	33	68	1	2	29
4: Adults in Winter	WUA in m <sup>2</sup>	667800	29350	76475	165175	690500	26100	59625	162575
	% of the wetted area	71	3	8	18	74	3	6	17
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	737125	10350	16175	175150	739550	10825	10800	177625
	% of the wetted area	78	1	2	19	79	1	1	19
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	562825	24950	116950	234075	594925	23975	106225	213675
	% of the wetted area	60	3	12	25	63	3	11	23
<b>Discharge HQ10</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	899375	11050	21775	32425	913850	14775	11750	24250
	% of the wetted area	93	1	2	3	95	2	1	3
2: Larvea	WUA in m <sup>2</sup>	873100	18200	66425	6900	851825	62600	48550	1650
	% of the wetted area	90	2	7	1	88	6	5	0
3: Juveniles	WUA in m <sup>2</sup>	618125	6325	29900	310275	666650	5025	21850	271100

	% of the wetted area	64	1	3	32	69	1	2	28
4: Adults in Winter	WUA in m <sup>2</sup>	696225	28875	78525	161000	718475	25625	61725	158800
	% of the wetted area	72	3	8	17	74	3	6	16
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	762050	10400	16725	175450	764675	10850	11425	177675
	% of the wetted area	79	1	2	18	79	1	1	18
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	590675	25700	116825	231425	623425	24350	105225	211625
	% of the wetted area	61	3	12	24	65	3	11	22
<b>Discharge HQ50</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	1343425	5625	14725	16575	1354350	5200	9275	11525
	% of the wetted area	97	0	1	1	98	0	1	1
2: Larvea	WUA in m <sup>2</sup>	1308675	12875	55200	3600	1245800	89000	43575	1975
	% of the wetted area	95	1	4	0	90	6	3	0
3: Juveniles	WUA in m <sup>2</sup>	1181550	3300	15025	180475	1150025	2350	15500	212475
	% of the wetted area	86	0	1	13	83	0	1	15
4: Adults in Winter	WUA in m <sup>2</sup>	1156525	7575	19775	196475	1179650	7525	20450	172725
	% of the wetted area	84	1	1	14	85	1	1	13
5: Adults Pre-reproduction	WUA in m <sup>2</sup>	1224925	4075	7125	144225	1185575	4925	5100	184750
	% of the wetted area	89	0	1	10	86	0	0	13
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	1120875	10225	34125	215125	1144500	10700	35250	189900
	% of the wetted area	81	1	2	16	83	1	3	14
<b>Discharge HQ100</b>									
1: Adults Spawning	WUA in m <sup>2</sup>	1412400	5975	14200	14725	1423500	5950	8250	9600
	% of the wetted area	98	0	1	1	98	0	1	1
2: Larvea	WUA in m <sup>2</sup>	1358250	15450	67825	5775	1290725	97000	56725	2850
	% of the wetted area	94	1	5	0	89	7	4	0
3: Juveniles	WUA in m <sup>2</sup>	1225550	3375	20300	198075	1193575	2525	19675	231525
	% of the wetted area	85	0	1	14	82	0	1	16
4: Adults in Winter	WUA in m <sup>2</sup>	1238650	8050	25550	175050	1257700	7925	24300	157375
	% of the wetted area	86	1	2	12	87	1	2	11

5: Adults Pre-reproduction	WUA in m <sup>2</sup>	1279675	5400	9800	152425	1238050	6375	7550	195325
	% of the wetted area	88	0	1	11	86	0	1	13
6: Adults in Summer/Autumn	WUA in m <sup>2</sup>	1193075	13175	41900	199150	1210025	14875	43825	178575
	% of the wetted area	82	1	3	14	84	1	3	12

**Table S2.** Wetted area and relative percent of the wetted area with not suitable (HSI<0.1), low suitability (HSI between 0.1 and 0.3), medium suitability (HSI between 0.3 and 0.6) and high suitability (HSI>0.6) at MQ. Table S2 presents all the scenarios.