

APPENDIX D: MidTRAM Raw Data and Metric Scores for Tidal Estuarine Wetlands in the Smyrna River Watershed

Blue columns indicate raw metric values. Orange columns indicate corresponding metric scores. Note that the B4 attribute (250 m landscape condition) only has a metric score. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Buffer Metrics

Site Number	QDR	Final Score	B1: % AA with 5m buffer	B2: Avg buffer width	B3: % surrounding development	B5: % landward edge obstructed	B1 Score	B2 Score	B3 Score	B4 Score	B5 Score
RMDBSM15X2029	2	86.7	100	108.6	0	0	12	6	12	9	12
RMDBSM15X2033	2	84.4	100	174.5	0	0	12	9	12	9	12
RMDBSM15X2025	2	82.2	100	239.5	0	0	12	12	12	9	12
RMDBSM15X2021	2	84.4	100	250.0	0	0	12	12	12	9	12
RMDBSM15X2002	2	86.7	100	250.0	0	0	12	12	12	9	12
RMDBSM15X2020	2	86.7	100	225.3	0	0	12	12	12	9	12
RMDBSM15X2006	2	91.1	100	245.3	0	0	12	12	12	9	12
RMDBSM15X2013	3	82.2	100	148.6	0	0	12	9	12	6	12
RMDBSM15X2035	3	88.9	100	195.5	2.5	0	12	12	9	9	12
RMDBSM15X2022	3	86.7	100	155.9	0	0	12	9	12	9	12
RMDBSM15X2012	3	86.7	100	239.1	0	0	12	12	12	9	12
RMDBSM15X2003	3	86.7	100	250.0	0	0	12	12	12	9	12
RMDBSM15X2026	3	86.7	100	243.0	0	0	12	12	12	9	12
RMDBSM15X2024	4	82.2	100	213.6	0	100	12	12	12	6	3
RMDBSM15X2017	4	82.2	100	212.4	0	20	12	12	12	6	6
RMDBSM15X2034	4	86.7	100	159.0	0	0	12	9	12	6	12
RMDBSM15X2027	4	82.2	100	242.5	0	0	12	12	12	6	12
RMDBSM15X2023	4	84.4	100	244.6	0	0	12	12	12	6	12
RMDBSM15X2011	4	86.7	100	240.4	0	0	12	12	12	6	12
RMDBSM15X2031	4	86.7	100	242.6	0	0	12	12	12	6	12
RMDBSM15X2005	2	77.8	100	110.4	0	0	12	6	12	9	12
RMDBSM15X2018	2	80.0	100	250.0	0	0	12	12	12	9	12
RMDBSM15X2009	3	75.0	100	179.6	2.5	0	12	9	9	9	12
RMDBSM15X2015	4	68.3	100	134.3	2.5	100	12	9	9	6	3
RMDBSM15X2030	5	66.7	100	171.8	0	0	12	9	12	3	3
RMDBSM15X2001	5	73.3	100	146.4	2.5	100	12	9	9	6	3
RMDBSM15X2010	5	73.3	100	207.9	0	0	12	12	12	3	12
RMDBSM15X2007	5	63.9	95	147.9	10	0	9	9	6	6	12
RMDBSM15X2014	6	80.6	100	202.5	0	0	12	12	12	6	12
RMDBSM15X2019	5	57.2	100	112.9	10	50	12	6	6	6	3

APPENDIX D: Continued

Blue columns indicate raw metric values. Orange columns indicate corresponding metric scores. Note that no raw data are available for these metrics. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Hydrology Metrics

Site Number	QDR	Final Score	H1 Score	H2 Score	H3 Score	H4 Score
RMDBSM15X2029	2	86.7	12	12	12	12
RMDBSM15X2033	2	84.4	12	12	12	12
RMDBSM15X2025	2	82.2	12	12	12	12
RMDBSM15X2021	2	84.4	12	12	12	12
RMDBSM15X2002	2	86.7	12	12	12	12
RMDBSM15X2020	2	86.7	12	12	12	12
RMDBSM15X2006	2	91.1	12	12	12	12
RMDBSM15X2013	3	82.2	12	12	12	12
RMDBSM15X2035	3	88.9	12	12	12	12
RMDBSM15X2022	3	86.7	12	12	12	12
RMDBSM15X2012	3	86.7	12	12	12	12
RMDBSM15X2003	3	86.7	12	12	12	12
RMDBSM15X2026	3	86.7	12	12	12	12
RMDBSM15X2024	4	82.2	12	12	12	12
RMDBSM15X2017	4	82.2	12	12	12	12
RMDBSM15X2034	4	86.7	12	12	12	12
RMDBSM15X2027	4	82.2	12	12	12	12
RMDBSM15X2023	4	84.4	12	12	12	12
RMDBSM15X2011	4	86.7	12	12	12	12
RMDBSM15X2031	4	86.7	12	12	12	12
RMDBSM15X2005	2	77.8	12	12	12	12
RMDBSM15X2018	2	80.0	12	12	12	12
RMDBSM15X2009	3	75.0	12	9	12	12
RMDBSM15X2015	4	68.3	12	12	9	12
RMDBSM15X2030	5	66.7	12	12	12	12
RMDBSM15X2001	5	73.3	12	12	12	12
RMDBSM15X2010	5	73.3	12	12	12	12
RMDBSM15X2007	5	63.9	12	12	9	12
RMDBSM15X2014	6	80.6	12	3	12	12
RMDBSM15X2019	5	57.2	12	12	9	12

APPENDIX D: Continued

Blue columns indicate raw metric values. Orange columns indicate corresponding metric scores.
 Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Habitat Metrics

Site Number	QDR	Final Score	HAB1: Bearing capacity	HAB2: Horizontal vegetative obstruction	HAB3: # of plant layers	HAB4: % invasive co-dominant species	HAB5: % invasive cover	HAB1 Score	HAB2 Score	HAB3 Score	HAB4 Score	HAB5 Score
RMDBSM15X2029	2	86.7	2.19	4.0	4	20	20	9	12	12	9	9
RMDBSM15X2033	2	84.4	2.06	12.5	3	0	1	9	6	9	12	9
RMDBSM15X2025	2	82.2	3.13	18.3	4	50	20	9	6	12	3	9
RMDBSM15X2021	2	84.4	3.47	7.5	3	33	15.5	9	9	9	6	9
RMDBSM15X2002	2	86.7	4.09	8.8	2	0	15	6	9	9	12	9
RMDBSM15X2020	2	86.7	17.03	5.0	3	0	7.5	3	12	9	12	9
RMDBSM15X2006	2	91.1	3.00	8.3	4	0	1	9	9	12	12	9
RMDBSM15X2013	3	82.2	3.09	14.0	3	0	5	9	6	9	12	9
RMDBSM15X2035	3	88.9	3.59	0.0	3	0	9	9	12	9	12	9
RMDBSM15X2022	3	86.7	2.47	7.0	4	20	7	9	9	12	9	9
RMDBSM15X2012	3	86.7	3.16	15.3	4	20	10	9	6	12	9	9
RMDBSM15X2003	3	86.7	4.06	4.5	1	0	3	6	12	6	12	9
RMDBSM15X2026	3	86.7	11.00	4.8	3	0	3	3	12	9	12	9
RMDBSM15X2024	4	82.2	3.54	0.0	3	0	3	9	12	9	12	9
RMDBSM15X2017	4	82.2	2.56	10.5	2	0	4	9	9	9	12	9
RMDBSM15X2034	4	86.7	3.38	2.5	3	0	11	9	12	9	12	9
RMDBSM15X2027	4	82.2	3.03	0.5	2	33	30	9	12	9	6	6
RMDBSM15X2023	4	84.4	2.31	10.0	4	33	25	9	9	12	6	9
RMDBSM15X2011	4	86.7	3.78	8.5	2	0	1.5	9	9	9	12	9
RMDBSM15X2031	4	86.7	2.13	9.3	3	0	1	9	9	9	12	9
RMDBSM15X2005	2	77.8	4.28	3.3	2	33	38	6	12	9	6	6
RMDBSM15X2018	2	80.0	7.07	2.5	2	33	38	3	12	9	6	6
RMDBSM15X2009	3	75.0	3.34	14.5	2	33	15.5	9	6	9	6	9
RMDBSM15X2015	4	68.3	4.53	8.0	3	25	10	6	9	9	9	9
RMDBSM15X2030	5	66.7	3.94	13.3	2	50	20	9	6	9	3	9
RMDBSM15X2001	5	73.3	1.94	1.5	3	33	25	9	12	9	6	9
RMDBSM15X2010	5	73.3	3.66	27.0	2	100	16	9	3	9	3	9
RMDBSM15X2007	5	63.9	5.84	14.3	3	25	66	6	6	9	9	3
RMDBSM15X2014	6	80.6	1.22	15.0	4	0	10	12	6	12	12	9
RMDBSM15X2019	5	57.2	6.97	7.5	3	25	65	3	9	9	9	3

APPENDIX E: DERAP Wetland Assessment Stressor Checklist for Riverine Wetlands in the Smyrna River Watershed

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Habitat and Plant Community Stressors

Site Number	QDR	Final Score	Hfor50	Hfor30	Hfor15	Hfor2	Hec10	Hec50	Hec100	Hforsc	Hpine	Hchem	Hmow	Hfarm	Hgraz	Hnrecov	Hin1	Hin5	Hin50	Hin100	Hherb	Halgae	Hnis50	Hnis100	Htrail	Hroad	Hpave
SMYP2557	1	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2585	2	85	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
SMYP2596	2	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2511	3	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2580	1	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2539	3	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2529	2	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2543	3	68	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2538	5	62	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	.	.	0	0	1
SMYP2593	4	49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	.	.	0	0	0
SMYP2600	5	48	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2623	3	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2599	4	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2577	4	54	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2532	2	84	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2610	4	49	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2611	5	79	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	.	.	0	0	0
SMYP2612	4	72	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
SMYP2559	2	84	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2591	3	83	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2556	3	57	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2560	4	66	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	1	0	0
SMYP2516	4	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
SMYP2536	3	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2530	4	45	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2608	5	39	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	1	0
SMYP2528	4	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2573	4	40	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
SMYP2551	5	20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2521	4	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0

APPENDIX E: CONTINUED

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Hydrology Stressors

Site Number	QDR	Final Score	Wditchs	Wditchm	Wditchx	Wchannm	Wchan1	Wchan2	Wincision	Wdamdec	Wimp10	Wimp75	Wimp100	Wstorm	Wpoint	Wsed	Wfill10	Wfill75	Wfill100	Wmic10	Wmic75	Wmic100	Wsubsid
SMYP2557	1	91	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2585	2	85	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2596	2	89	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2511	3	87	.	.	.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2580	1	89	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2539	3	88	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
SMYP2529	2	70	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2543	3	68	.	.	.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
SMYP2538	5	62	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2593	4	49	.	.	.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2600	5	48	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
SMYP2623	3	70	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2599	4	49	.	.	.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2577	4	54	.	.	.	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2532	2	84	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2610	4	49	.	.	.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2611	5	79	.	.	.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
SMYP2612	4	72	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2559	2	84	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2591	3	83	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2556	3	57	.	.	.	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2560	4	66	.	.	.	1	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0
SMYP2516	4	70	.	.	.	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2536	3	47	.	.	.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2530	4	45	.	.	.	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2608	5	39	.	.	.	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
SMYP2528	4	37	.	.	.	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2573	4	40	.	.	.	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2551	5	20	.	.	.	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0
SMYP2521	4	25	.	.	.	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

APPENDIX E: CONTINUED

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Buffer Stressors

Site Number	QDR	Final Score	Ldevecom	Ldeves3	Ldeves2	Ldeves1	Lrdgrav	Lrd2pav	Lrd4pav	Lndfil	Lchan	Lag	Lagpoul	Lfor	Lgolf	Lmow	Lmine
SMYP2557	1	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2585	2	85	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2596	2	89	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
SMYP2511	3	87	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
SMYP2580	1	89	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
SMYP2539	3	88	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
SMYP2529	2	70	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
SMYP2543	3	68	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
SMYP2538	5	62	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SMYP2593	4	49	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0
SMYP2600	5	48	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
SMYP2623	3	70	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2599	4	49	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2577	4	54	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
SMYP2532	2	84	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2610	4	49	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
SMYP2611	5	79	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2612	4	72	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0
SMYP2559	2	84	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
SMYP2591	3	83	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0
SMYP2556	3	57	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
SMYP2560	4	66	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
SMYP2516	4	70	0	0	0	1	0	0	0	0	1	1	0	0	0	1	0
SMYP2536	3	47	0	0	0	1	0	1	0	0	1	1	0	0	0	1	0
SMYP2530	4	45	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
SMYP2608	5	39	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
SMYP2528	4	37	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
SMYP2573	4	40	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
SMYP2551	5	20	0	1	0	0	0	1	0	0	1	0	0	0	0	1	0
SMYP2521	4	25	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0

APPENDIX F: DERAP Wetland Assessment Stressor Checklist for Flat Wetlands in the Smyrna River Watershed

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Habitat and Plant Community Stressors

Site Number	QDR	Final Score	Hfor50	Hfor30	Hfor15	Hfor2	Hcc10	Hcc50	Hcc100	Hforsc	Hpine	Hechem	Hmow	Hfarm	Hgraz	Hnorecov	Hinv1	Hinv5	Hinv50	Hinv100	Hherb	Halgae	Hnis50	Hnis100	Htrail	Hroad	Hpave
SMYP2541	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2526	2	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2574	2	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
SMYP2601	1	88	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2514	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2562	3	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2545	2	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2520	2	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2548	2	89	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2537	3	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
SMYP2589	2	79	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2502	2	79	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2531	4	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2501	4	84	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2533	3	77	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
SMYP2590	3	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2581	3	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
SMYP2563	3	72	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	1	0	0
SMYP2566	2	85	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2598	3	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	1	0	0
SMYP2570	2	85	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2618	4	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2534	4	75	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2595	3	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2540	4	74	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
SMYP2592	4	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
SMYP2552	2	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2547	4	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2584	3	53	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	1	0	0
SMYP2523	4	56	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	1	1	0
SMYP2558	5	32	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
SMYP2572	5	62	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	.	.	0	0	0

APPENDIX F: CONTINUED

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Hydrology Stressors

Site Number	QDR	Final Score	Wditchs	Wdichm	Wditchx	Wchannm	Wchan1	Wchan2	Wincision	Wdamdec	Wimp10	Wimp75	Wimp100	Wstorm	Wpoint	Wsed	Wfill10	Wfill75	Wfill100	Wmic10	Wmic75	Wmic100	Wsubsid	
SMYP2541	1	95	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SMYP2526	2	88	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2574	2	88	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2601	1	88	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2514	1	95	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2562	3	90	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2545	2	89	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2520	2	89	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2548	2	89	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2537	3	89	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2589	2	79	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2502	2	79	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2531	4	80	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2501	4	84	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2533	3	77	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2590	3	70	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2581	3	86	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2563	3	72	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2566	2	85	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2598	3	83	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2570	2	85	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2618	4	74	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2534	4	75	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2595	3	79	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SMYP2540	4	74	0	1	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2592	4	75	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2552	2	76	1	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2547	4	67	0	0	1	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SMYP2584	3	53	1	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2523	4	56	0	1	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
SMYP2558	5	32	0	0	1	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
SMYP2572	5	62	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

APPENDIX F: CONTINUED

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Buffer Stressors

Site Number	QDR	Final Score	Ldevcom	Ldevres3	Ldevres2	Ldevres1	Lrdgrav	Lrd2pav	Lrd4pav	Lndfil	Lchan	Lag	Lagpoul	Lfor	Lgolf	Lnow	Lmine
SMYP2541	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2526	2	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2574	2	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2601	1	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2514	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2562	3	90	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2545	2	89	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
SMYP2520	2	89	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
SMYP2548	2	89	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
SMYP2537	3	89	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
SMYP2589	2	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2502	2	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2531	4	80	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2501	4	84	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0
SMYP2533	3	77	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
SMYP2590	3	70	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
SMYP2581	3	86	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
SMYP2563	3	72	0	0	0	1	1	0	0	0	1	1	0	1	0	0	0
SMYP2566	2	85	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2598	3	83	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2570	2	85	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2618	4	74	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2534	4	75	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
SMYP2595	3	79	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0
SMYP2540	4	74	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0
SMYP2592	4	75	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
SMYP2552	2	76	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0
SMYP2547	4	67	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
SMYP2584	3	53	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
SMYP2523	4	56	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0
SMYP2558	5	32	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0
SMYP2572	5	62	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0

APPENDIX G: CONTINUED

Stressor code descriptions are listed in Appendix B. ‘1’ indicates stressor presence; ‘0’ indicates stressor absence; ‘.’ indicates the stressor category is not applicable for this HGM class. Site numbers are color-coded by condition categories (green are minimally stressed, yellow are moderately stressed, red are severely stressed).

Hydrology Stressors

Site Number	QDR	Final Score	Wdichs	Wdichm	Wdichx	Wchannm	Wchan1	Wchan2	Wincision	Wdamdec	Wimp10	Wimp75	Wimp100	Wstorm	Wpoint	Wsed	Wfill10	Wfill75	Wfill100	Wmic10	Wmic75	Wmic100	Wsubsid
SMYP2505	2	78	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2513	1	80	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2515	2	80	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2519	2	76	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2542	2	78	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2550	2	80	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2578	2	74	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2579	2	78	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2650	3	74	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2705	1	80	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2503	3	70	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2510	3	66	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMYP2524	3	63	1	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMYP2582	2	71	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2597	3	70	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2602	3	66	1	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2606	3	70	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2626	6	53	0	0	0	.	.	.	.	0	0	1	0	1	0	0	0	0	0	0	0	0	0
SMYP2658	2	58	0	0	0	.	.	.	.	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2685	2	65	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2712	2	70	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMYP2506	5	-1	0	1	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	1	0	0
SMYP2517	2	50	1	0	0	.	.	.	.	0	0	0	0	0	0	0	1	0	0	0	0	0	0
SMYP2522	3	43	1	0	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2571	5	-2	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	1	0	0
SMYP2575	5	48	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2587	4	39	0	0	1	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SMYP2688	3	48	0	0	0	.	.	.	.	0	0	0	0	0	0	0	0	1	0	0	0	0	0

