

APPENDIX D: MidTRAM Raw Data and Metric Scores for Tidal Estuarine Wetlands in the Appoquinimink 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 10m buffer	B2: % Contiguous natural	B3: % Un-natural	B3: % High Impact	B5: % landward edge obstructed	B1 Score	B2 Score	B3 Score	B4 Score	B5 Score
APPO-3007	2	84.4	100	100	0	0	0	12	12	12	9	12
APPO-3012	2	82.2	100	62.6	0	0	0	12	6	12	9	12
APPO-3016	2	86.7	100	100	0	0	0	12	12	12	9	12
APPO-3020	1	84.4	100	100	0	0	0	12	12	12	9	12
APPO-3022	3	82.2	100	87.2	12.8	0	0	12	9	9	6	12
APPO-3024	2	82.2	100	98.7	1.3	0	0	12	9	9	9	12
APPO-3037	2	84.4	100	100	0	0	0	12	12	12	9	12
APPO-3038	2	84.4	100	89.4	0	0	0	12	9	12	9	12
APPO-3002	3	73.3	100	54.3	45.3	0.8	0	12	3	6	6	12
APPO-3003	2	77.8	100	77.1	0	0	0	12	9	12	9	12
APPO-3004	3	79.4	100	57.9	10.7	0	0	12	6	9	9	12
APPO-3005	4	75.6	100	93.7	18.1	2.1	0	12	9	9	6	12
APPO-3008	3	77.8	100	100	0	0	0	12	12	12	6	12
APPO-3014	2	79.4	100	89.1	0	0	0	12	9	12	9	12
APPO-3015	3	66.7	82.8	81.5	18.6	0	0	6	9	9	6	12
APPO-3021	4	66.1	100	46.7	32.9	11	0	12	3	6	6	12
APPO-3023	4	75.6	100	86.2	0	0	0	12	9	12	6	12
APPO-3025	5	77.2	100	71.6	18.7	0	0	12	6	9	6	12
APPO-3028	4	68.9	92.7	68.5	31.5	0	0	6	6	6	6	12
APPO-3030	2	77.8	100	61	0	0	0	12	6	12	9	12
APPO-3031	3	77.8	100	98.9	1.1	0	0	12	9	9	6	12
APPO-3032	2	80.0	100	96.6	0	0	0	12	9	12	9	12
APPO-3036	2	68.3	77.6	71.1	28.9	0	0	3	6	6	9	12
APPO-3039	3	80.0	94.5	78.7	12.5	0	0	9	9	9	6	12
APPO-3011	4	56.1	77	68.6	31.4	0	0	3	6	6	6	12
APPO-3018	4	61.1	100	22.9	46.5	12.3	0	12	3	6	6	12
APPO-3019	5	57.8	86.5	72.8	27.2	0	0	6	6	6	3	12
APPO-3027	3	63.3	100	64.5	35.5	0	0	12	6	6	6	12
APPO-3033	5	55.6	90.8	40.7	61.6	59.3	47.4	6	3	3	3	3
APPO-3035	4	63.3	100	45.8	3.9	2.1	0	12	3	9	6	12

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
APPO-3007	2	84.4	12	12	12	12
APPO-3012	2	82.2	12	12	12	12
APPO-3016	2	86.7	12	12	12	12
APPO-3020	1	84.4	12	12	12	12
APPO-3022	3	82.2	12	12	12	12
APPO-3024	2	82.2	12	12	12	12
APPO-3037	2	84.4	12	12	12	12
APPO-3038	2	84.4	12	12	12	12
APPO-3002	3	73.3	12	12	12	12
APPO-3003	2	77.8	12	12	12	12
APPO-3004	3	79.4	12	12	12	9
APPO-3005	4	75.6	12	12	12	12
APPO-3008	3	77.8	12	12	12	12
APPO-3014	2	79.4	12	12	12	9
APPO-3015	3	66.7	12	9	12	3
APPO-3021	4	66.1	12	12	12	9
APPO-3023	4	75.6	12	12	12	12
APPO-3025	5	77.2	12	12	12	9
APPO-3028	4	68.9	12	12	12	12
APPO-3030	2	77.8	12	12	12	12
APPO-3031	3	77.8	12	12	12	12
APPO-3032	2	80.0	12	12	12	12
APPO-3036	2	68.3	12	12	12	9
APPO-3039	3	80.0	12	12	12	12
APPO-3011	4	56.1	12	12	12	3
APPO-3018	4	61.1	12	12	12	6
APPO-3019	5	57.8	12	12	12	12
APPO-3027	3	63.3	12	12	6	12
APPO-3033	5	55.6	12	12	12	12
APPO-3035	4	63.3	12	12	6	12

APPENDIX D: Continued

Blue columns indicate raw metric values. Orange columns indicate corresponding metric scores.

Note that the HAB5 attribute (invasive cover) 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).

Habitat Metrics

Site Number	QDR	Final Score	HAB1: Bearing capacity	HAB2: Horizontal vegetative obstruction	HAB3: # of plant layers	HAB4: Species richness	HAB1 Score	HAB2 Score	HAB3 Score	HAB4 Score	HAB5 Score
APPO-3007	2	84.4	2.63	14.8	3	4	9	6	9	9	9
APPO-3012	2	82.2	2.31	13.3	3	9	9	6	9	12	9
APPO-3016	2	86.7	2.88	13.5	2	7	9	6	9	12	9
APPO-3020	1	84.4	3.88	17.0	2	4	9	6	9	9	9
APPO-3022	3	82.2	2.34	16.5	4	7	9	6	12	12	9
APPO-3024	2	82.2	2.44	14.8	3	5	9	6	9	12	9
APPO-3037	2	84.4	6.90	17.3	4	10	3	6	12	12	9
APPO-3038	2	84.4	2.56	29.0	4	8	9	3	12	12	9
APPO-3002	3	73.3	6.08	19.0	4	6	6	6	12	12	9
APPO-3003	2	77.8	6.22	20.3	3	8	3	3	9	12	9
APPO-3004	3	79.4	5.43	8.5	4	6	6	9	12	12	9
APPO-3005	4	75.6	3.45	17.3	3	7	9	6	9	12	3
APPO-3008	3	77.8	2.34	16.5	3	4	9	6	9	9	3
APPO-3014	2	79.4	4.56	25.8	4	12	6	3	12	12	9
APPO-3015	3	66.7	3.56	13.8	4	13	9	6	12	12	9
APPO-3021	4	66.1	7.96	16.0	2	6	3	6	9	12	9
APPO-3023	4	75.6	1.28	25.3	3	4	12	3	9	9	3
APPO-3025	5	77.2	1.94	13.8	4	7	9	6	12	12	9
APPO-3028	4	68.9	2.00	34.5	4	11	9	3	12	12	6
APPO-3030	2	77.8	4.22	27.8	3	11	6	3	9	12	9
APPO-3031	3	77.8	6.00	25.0	4	11	6	3	12	12	9
APPO-3032	2	80.0	3.12	31.5	3	4	9	3	9	9	9
APPO-3036	2	68.3	3.66	14.3	4	4	9	6	12	9	9
APPO-3039	3	80.0	3.19	18.3	4	13	9	6	12	12	9
APPO-3011	4	56.1	6.51	18.5	2	13	3	6	9	12	9
APPO-3018	4	61.1	11.25	32.0	4	7	3	3	12	12	6
APPO-3019	5	57.8	3.31	35.8	2	3	9	3	9	6	3
APPO-3027	3	63.3	7.96	23.3	3	9	3	3	9	12	9
APPO-3033	5	55.6	6.33	13.3	3	11	6	6	9	12	9
APPO-3035	4	63.3	7.11	27.0	3	11	3	3	9	12	9

APPENDIX E: DERAP Wetland Assessment Stressor Checklist for Flat Wetlands in the Appoquinimink 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	Hchem	Hmow	Hfarm	Hgraz	Hnovecov	Hinv1	Hinv5	Hinv50	Hinv100	Hherb	Halgae	Hmss50	Hms100	Htrail	Hroad	Hpave
APPO3303	2	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3304	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
APPO3307	2	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3327	2	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3330	3	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3338	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
APPO3347	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
APPO3364	4	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	1	0	0
APPO3374	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
APPO3402	4	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3443	4	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3478	2	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3315	3	77	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3319	3	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3320	4	77	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3333	5	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	1	0	0
APPO3345	6	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	1	
APPO3375	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
APPO3379	3	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3383	3	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3392	3	67	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	.	.	0	0	0
APPO3396	3	83	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3397	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
APPO3399	5	75	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	1	0
APPO3409	4	79	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3417	5	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3322	5	57	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	.	.	0	1	0
APPO3367	6	51	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	.	.	1	0	0
APPO3368	6	54	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3377	6	33	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3393	5	54	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	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	Ldevcom	Ldevres3	Ldevres2	Ldevres1	Lrdgrav	Lrd2pav	Lrd4pav	Lndfil	Lchan	Lag	Lagpoul	Lfor	Lgolf	Lmow	Lmine
APPO3303	2	92	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3304	3	89	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
APPO3307	2	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3327	2	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3330	3	89	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
APPO3338	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3347	2	89	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
APPO3364	4	90	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3374	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3402	4	89	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
APPO3443	4	89	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
APPO3478	2	92	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3315	3	77	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
APPO3319	3	76	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
APPO3320	4	77	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3333	5	71	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
APPO3345	6	72	1	0	0	0	0	1	0	0	0	1	0	0	0	0	1
APPO3375	3	79	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
APPO3379	3	82	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
APPO3383	3	80	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
APPO3392	3	67	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
APPO3396	3	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3397	4	80	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
APPO3399	5	75	0	1	0	0	0	1	0	0	0	0	0	1	0	1	0
APPO3409	4	79	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
APPO3417	5	86	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0
APPO3322	5	57	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0
APPO3367	6	51	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
APPO3368	6	54	0	1	0	0	0	0	0	0	1	1	0	1	0	1	0
APPO3377	6	33	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0
APPO3393	5	54	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0

APPENDIX F: DERAP Wetland Assessment Stressor Checklist for Riverine Wetlands in the Appoquinimink 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	Hinv1	Hinv5	Hinv50	Hinv100	Hherb	Halgae	Hnis50	Hnis100	Hrail	Hroad	Hpave
APPO3302	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
APPO3306	3	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3310	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
APPO3321	2	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3328	2	89	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3334	4	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3344	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
APPO3352	3	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3356	1	86	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
APPO3359	2	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3362	3	88	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3378	3	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3384	3	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	0	0
APPO3389	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
APPO3416	2	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3460	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
APPO3475	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
APPO3314	4	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3318	4	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.	.	0	0	0
APPO3324	3	79	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	.	.	0	1	0
APPO3325	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
APPO3340	3	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	1
APPO3354	3	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3355	5	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3365	5	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3370	4	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3391	4	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	.	.	0	0	0
APPO3404	4	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3406	5	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3407	3	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
APPO3414	5	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3422	4	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	.	.	0	0	0
APPO3440	4	83	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	.	.	0	0	0
APPO3341	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.	.	1	0	0
APPO3372	4	35	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	.	.	0	0	0
APPO3420	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	0	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).

Buffer Stressors

Site Number	QDR	Final Score	Ldevcom	Ldevres3	Ldevres2	Ldevres1	Lrdgrav	Lrd2pav	Lrd4pav	Lndfil	Lchan	Lag	Lagpoul	Lfor	Lgolf	Lmow	Lmine
APPO3308	3	74	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
APPO3360	2	78	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3363	3	74	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
APPO3380	2	78	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
APPO3385	1	78	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
APPO3394	3	78	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3408	1	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3415	1	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3450	1	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3452	2	74	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
APPO3455	1	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPO3468	2	74	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
APPO3498	1	78	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
APPO3517	2	73	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
APPO3600	2	78	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
APPO3316	2	69	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
APPO3332	4	61	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0
APPO3335	5	53	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0
APPO3336	3	67	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
APPO3376	2	70	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0
APPO3387	4	60	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
APPO3427	4	58	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0
APPO3428	5	63	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0
APPO3463	2	67	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
APPO3351	4	50	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
APPO3386	5	41	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
APPO3395	4	47	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0