

Table 1 MBIE 3 reaches, 2 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-187.3	-1025.2	-858.3	-365.9	-760.4	-639.42	350.2129738
2	-1087.8	-564	-1680.7	-1004.2	-1382.9	-1143.92	419.5898438
3	-1060.7	-1061	-1025.9	-639.9	-899.6	-937.42	179.0580828
4	-760.4	-1095.1	-1594.9	-1175.2	-558.4	-1036.8	399.7788701
5	-563	-461.7	-509.8	-1209.6	-1070.2	-762.86	349.5408531
6	-545.9	-815.4	-691.1	-997.2	-458.8	-701.68	214.2628923
7	-419.8	-612.6	-480.4	-845.3	-277.8	-527.18	214.7126731
8	-931.5	-900.6	-1206.2	-502	-839.9	-876.04	251.9407926
9	-941.3	-275.8	-993.9	-317.9	-553.9	-616.56	338.0395657
10	-1137.8	-535.7	-873.6	-514.2	-1050.2	-822.3	287.739257
11	-999.3	-482.5	-519.9	-594.1	-435.5	-606.26	227.2453916
12	-966	-261.7	-1158.7	-308.6	-790.9	-697.18	398.3357842
13	-1039.5	-499.8	-858	-560.4	-885.3	-768.6	229.4551917
14	-581.9	-727.7	-541	-740.6	-802.3	-678.7	111.6256019
15	-929.3	-794.2	-972.7	-548.2	-598.4	-768.56	190.8408054
16	-535.8	-621.1	-278.6	-800.2	-549.2	-556.98	187.9307638
17	-878.5	-812.4	-397.8	-506.7	-967.2	-712.52	246.8794382
18	-504.6	-314.4	-374.5	-686.9	-601.6	-496.4	154.4410405
19	-860.5	-318.4	-535.4	-254.3	-796	-552.92	273.0264767
20	-1045.5	-629.2	-378	-469.9	-832.8	-671.08	271.3240258
21	-782.1	-575.1	-424.1	-397.2	-1147.5	-665.2	309.9798864
22	-1289.1	-373.7	-234.6	-641.5	-387	-585.18	419.9942702
23	-662.2	-619	-663	-520.1	-634.9	-619.84	58.80631769
24	-1048	-680	-578.6	-621.8	-640.5	-713.78	190.3601902
25	-977.3	-482.1	-679.3	-593	-571.4	-660.62	190.4187675
26	-587.6	-502.4	-473.3	-841	-793.8	-639.62	168.4659669
27	-1236.6	-946.6	-594.6	-461.3	-645.1	-776.84	312.3819985
28	-450.2	-368.9	-657.5	-766.1	-490.7	-546.68	161.6122582
29	-799.9	-567.5	-390.1	-529.8	-891.9	-635.84	205.4174968
30	-1220.2	-440.4	-557.5	-1046	-773	-807.42	326.2116522
31	-1103.3	-492.2	-417.1	-734.2	-579.9	-665.34	271.7771201
32	-986.3	-353.3	-259.5	-754.6	-686.5	-608.04	298.7846348
33	-744.1	-306.4	-614.1	-739.4	-550.4	-590.88	179.3329501
34	-1146.2	-566.6	-781.8	-546.3	-885.3	-785.24	247.5942911
35	-668.6	-449.6	-295.1	-344.4	-388.9	-429.32	145.3671111
36	-579	-468.9	-460.5	-469.7	-1027.4	-601.1	243.2751837
37	-560	-649.5	-768.6	-536.6	-413.3	-585.6	132.5856893
38	-839.5	-255.5	-656	-855.6	-939.2	-709.16	273.8544194
39	-933.1	-317.3	-553.7	-502.6	-824.5	-626.24	249.7313116
40	-673.2	-367.8	-586.2	-366	-813.5	-561.34	195.1478875
41	-486.2	-328.4	-727.3	-378.5	-721.6	-528.4	187.8418883
42	-1110.1	-441.9	-335.6	-721.2	-506.4	-623.04	306.553899
43	-652.6	-404.5	-595	-534.9	-462.4	-529.88	99.49837687

44	-736.8	-390.6	-546.5	-608.8	-521.7	-560.88	126.4726334
45	-968.3	-1004	-360.3	-546.7	-455.6	-666.98	298.9889747
46	-916.9	-509.5	-805.8	-589	-1144.2	-793.08	255.364792
47	-577.2	-474.6	-531	-420.7	-490	-498.7	59.04667645
48	-848.9	-516	-546.8	-404.5	-654.4	-594.12	167.961445
49	-519.8	-348.4	-546.7	-508.8	-582.3	-501.2	89.99863888
50	-976.2	-770.5	-902.5	-789.7	-622.3	-812.24	135.4227012
51	-640.4	-469.5	-652	-567.8	-522.7	-570.48	77.49417397
52	-728.6	-458.3	-494.5	-752.1	-818	-650.3	162.6000154
53	-758	-915.8	-1270.5	-414.1	-559	-783.48	332.482762
54	-679	-798.4	-512.2	-541.5	-571.3	-620.48	117.7509957
55	-839.7	-600.4	-591.6	-384.9	-1267.4	-736.8	337.5079184
56	-566.7	-377.5	-432.9	-755.3	-460	-518.48	149.1878748
57	-669.1	-259.1	-464.7	-325.2	-921.7	-527.96	270.3473839
58	-914.2	-599.3	-448.9	-314.1	-681.1	-591.52	228.8612068
59	-970.8	-377.5	-478.8	-191.4	-1040.7	-611.84	374.8859333
60	-453.8	-721.1	-465.5	-434.9	-395.1	-494.08	129.6887505
61	-489	-540.6	-494.4	-242	-496	-452.4	119.4277187
62	-531.8	-267.2	-553.4	-745.4	-773.8	-574.32	203.4876704
63	-418.8	-172.6	-385.7	-501.6	-672.4	-430.22	181.8149939
64	-1004	-719.9	-494.7	-506.8	-679.4	-680.96	206.6991122
65	-581.8	-406.4	-504.8	-1136.9	-696.8	-665.34	284.2360428
66	-569.2	-452.5	-493.7	-668.3	-489.3	-534.6	85.93334626
67	-818.7	-642.2	-895	-801.7	-505.2	-732.56	156.8794856
68	-727.1	-591.1	-579.2	-711.7	-448.2	-611.46	113.5008062
69	-543.1	-689.4	-268	-355.9	-517	-474.68	165.3800683
70	-866.9	-687.1	-755.8	-627	-748.2	-737	89.36288379
71	-902	-740.2	-520.6	-526.5	-729.4	-683.74	161.4381244
72	-613.6	-685.5	-686.1	-858.2	-535.5	-675.78	119.3973073
73	-622.8	-321	-486.4	-551.6	-558.7	-508.1	115.2019965
74	-486.8	-538.1	-425.3	-833.7	-418.4	-540.46	171.0519892
75	-691.9	-640	-700.8	-400	-524.4	-591.42	128.017116
76	-691.9	-235.2	-558.1	-960.2	-469.9	-583.06	268.5681906
77	-1033.1	-831.6	-388.5	-564.1	-938.4	-751.14	268.1106544
78	-756.3	-338.1	-612.5	-401.9	-357.5	-493.26	183.2077182
79	-714.8	-671.1	-493.3	-384.6	-499.5	-552.66	136.8495269
80	-546.2	-553	-662.1	-585.3	-605.3	-590.38	46.74748122
81	-453.2	-438.3	-530.2	-422.4	-763.8	-521.58	141.5917441
82	-550.5	-452.8	-660.1	-943.7	-789.1	-679.24	193.793519
83	-698.1	-394.1	-871.8	-513.3	-513.9	-598.24	187.6221416
84	-807.6	-538.6	-299.9	-705.6	-687.8	-607.9	197.1521494
85	-593	-486.1	-373.1	-330.6	-689.2	-494.4	149.4004853
86	-842.4	-539.9	-560.6	-211.1	-432.8	-517.36	228.5685521
87	-595.2	-550.4	-452.1	-295.1	-458.8	-470.32	115.2980355
88	-669.2	-530.9	-382.7	-442.1	-615.2	-528.02	118.3644668

89	-631.6	-539.6	-566.6	-334.4	-697.2	-553.88	137.0385055
90	-709.4	-513.1	-923.5	-596.8	-458.4	-640.24	184.4835575
91	-596.2	-609	-537.1	-845.8	-579.7	-633.56	121.7068322
92	-726.3	-548.9	-758.2	-328.5	-631.3	-598.64	171.9540869
93	-729.3	-780	-642.2	-446.2	-206.2	-560.78	235.5531617
94	-708.3	-610.2	-727.1	-433.7	-697.1	-635.28	121.2930831
95	-344.4	-363.5	-700.1	-663.9	-603.4	-535.06	169.0357743
96	-714.3	-360.9	-692.7	-313.7	-677.3	-551.78	196.9414431
97	-549.1	-354.2	-516.2	-493.7	-537.6	-490.16	78.89900506
98	-638.2	-816.7	-597.4	-434.6	-925.6	-682.5	192.201821
99	-502.1	-389	-538.2	-383.4	-820.4	-526.62	177.8294464
100	-462.3	-419.5	-395.3	-761.7	-585.5	-524.86	151.303232

Table 2 DBNE3 3 reaches, 2 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
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Table 3 MBIE 3 reaches, 3 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-396.95	-1385.95	-565.95	-768.95	-529.25	-729.41	390.4872059
2	-663.15	-1414.45	-1148.45	-1339.85	-786.75	-1070.53	332.9321658
3	-670.85	-779.15	-943.95	-605.55	-504.55	-700.81	168.6299736
4	-571.65	-1044.15	-778.55	-954.75	-659.85	-801.79	197.3490638
5	-526.95	-1369.15	-731.75	-710.35	-854.85	-838.61	318.8800997
6	-775.95	-415.65	-1538.95	-859.15	-846.45	-887.23	406.8050479
7	-838.35	-1082.15	-528.75	-632.35	-488.85	-714.09	246.3098212
8	-903.25	-410.45	-1606.25	-926.25	-550.95	-879.43	463.3757029
9	-886.25	-989.75	-627.95	-610.35	-534.95	-729.85	196.6334407
10	-1447.85	-623.65	-519.35	-1101.85	-1504.15	-1039.37	455.5282724
11	-722.45	-1124.85	-731.55	-721.75	-449.55	-750.03	241.1846741
12	-1329.25	-491.75	-800.55	-1206.15	-389.95	-843.53	417.9558733
13	-495.75	-902.85	-288.35	-1022.45	-457.45	-633.37	313.4200967
14	-848.05	-1928.45	-516.15	-723.65	-1261.25	-1055.51	558.6665177
15	-1067.45	-1328.05	-857.35	-824.55	-743.75	-964.23	235.8837786
16	-835.15	-649.45	-1017.25	-954.95	-439.15	-779.19	236.1965982
17	-867.65	-962.35	-693.15	-427.15	-1200.15	-830.09	290.2417406

18	-1418.75	-491.75	-1455.95	-381.85	-489.95	-847.65	540.3165369
19	-462.45	-510.15	-733.55	-616.25	-715.05	-607.49	120.4664808
20	-657.55	-799.15	-656.95	-592.65	-729.05	-687.07	79.08544114
21	-429.65	-445.95	-653.15	-1226.55	-435.65	-638.19	342.001057
22	-351.85	-366.75	-312.75	-1060.85	-639.25	-546.29	315.4346256
23	-819.25	-522.15	-916.55	-690.05	-720.15	-733.63	147.982455
24	-426.15	-567.95	-915.95	-486.65	-495.75	-578.49	195.2423571
25	-870.15	-377.45	-389.45	-528.95	-761.45	-585.49	221.8683912
26	-768.65	-647.15	-420.25	-680.15	-375.15	-578.27	171.4617946
27	-390.35	-424.75	-730.75	-493.75	-1261.55	-660.23	361.4417131
28	-501.75	-469.35	-1121.55	-969.45	-882.15	-788.85	290.0505128
29	-972.25	-521.15	-781.65	-659.85	-284.45	-643.87	260.4395554
30	-850.05	-456.55	-791.85	-1087.25	-462.25	-729.59	270.3373411
31	-441.05	-612.55	-650.85	-831.65	-488.75	-604.97	153.2343858
32	-284.05	-435.85	-319.05	-859.35	-524.75	-484.61	230.2462008
33	-678.35	-614.95	-578.95	-1121.95	-1318.65	-862.57	335.7751956
34	-464.75	-742.25	-489.55	-617.85	-530.75	-569.03	112.9660436
35	-660.05	-403.25	-989.05	-1205.05	-837.95	-819.07	306.7669506
36	-1195.55	-353.05	-621.85	-636.35	-356.05	-632.57	343.3913322
37	-502.35	-773.75	-724.65	-464.65	-755.75	-644.23	148.3732018
38	-530.15	-655.35	-779.05	-632.05	-592.95	-637.91	92.04973112
39	-1085.55	-406.75	-640.75	-688.25	-623.35	-688.93	246.7567061
40	-625.95	-578.65	-455.95	-734.35	-706.15	-620.21	110.8548059
41	-598.05	-777.85	-1717.75	-649.95	-525.75	-853.87	491.6191788
42	-606.75	-905.95	-356.65	-1108.15	-330.65	-661.63	340.8242758
43	-254.85	-1023.95	-508.05	-1200.75	-630.85	-723.69	384.9263345
44	-887.35	-649.15	-1072.65	-1179.75	-863.15	-930.41	204.8706372
45	-533.25	-726.45	-338.85	-509.85	-570.95	-535.87	138.7913254
46	-880.75	-839.25	-444.75	-682.95	-382.85	-646.11	225.5924711
47	-814.65	-894.55	-305.85	-905.15	-853.75	-754.79	253.5075995
48	-972.05	-597.45	-874.55	-719.25	-1200.25	-872.71	232.6329254
49	-604.55	-1122.95	-945.35	-1092.85	-633.35	-879.81	247.6434897
50	-750.75	-459.95	-479.35	-623.55	-464.65	-555.65	128.3896413
51	-358.75	-264.15	-782.25	-811.75	-707.05	-584.79	254.6335072
52	-435.45	-618.85	-868.65	-539.65	-384.15	-569.35	190.4869287
53	-381.45	-808.05	-312.05	-416.15	-824.25	-548.39	247.3535082
54	-511.15	-633.75	-971.85	-546.85	-450.95	-622.91	205.9868272
55	-522.85	-1113.15	-472.05	-748.55	-613.75	-694.07	256.737506
56	-699.75	-593.55	-417.05	-771.55	-449.65	-586.31	153.7528959
57	-397.65	-606.25	-1031.45	-477.45	-527.85	-608.13	248.5092191
58	-639.15	-649.95	-620.05	-695.45	-733.05	-667.53	45.93807789
59	-738.95	-471.55	-1219.85	-529.35	-583.85	-708.71	302.5654689
60	-886.35	-681.45	-585.45	-756.25	-426.05	-667.11	173.9224195
61	-629.65	-902.55	-568.15	-718.65	-640.05	-691.81	129.3894238
62	-857.45	-531.25	-952.75	-739.15	-298.65	-675.85	263.0817649

63	-846.95	-422.15	-613.65	-911.25	-418.75	-642.55	231.0177807
64	-543.35	-747.55	-552.75	-402.45	-754.25	-600.07	150.026521
65	-944.55	-543.05	-646.05	-854.85	-274.55	-652.61	265.0970445
66	-1417.05	-393.25	-260.95	-1415.15	-627.95	-822.87	557.2626643
67	-965.15	-389.35	-523.95	-741.85	-493.85	-622.83	230.366419
68	-614.45	-376.35	-413.55	-432.35	-411.65	-449.67	94.31122415
69	-296.25	-750.45	-694.65	-868.25	-788.45	-679.61	223.4057922
70	-586.55	-261.35	-1136.15	-563.95	-423.75	-594.35	329.592779
71	-607.95	-553.15	-777.85	-753.05	-359.45	-610.29	169.2985027
72	-818.65	-261.65	-1197.15	-325.75	-385.15	-597.67	400.0697152
73	-679.55	-331.15	-476.05	-313.45	-382.75	-436.59	149.8052502
74	-543.85	-625.65	-263.45	-626.55	-197.65	-451.43	205.7315289
75	-934.45	-726.15	-1186.85	-854.25	-421.75	-824.69	281.1368403
76	-327.25	-453.35	-798.35	-456.95	-1087.05	-624.59	312.2095338
77	-462.65	-459.85	-916.85	-642.85	-755.95	-647.63	196.0321453
78	-762.75	-431.15	-499.75	-1393.55	-512.35	-719.91	397.039051
79	-688.25	-577.45	-419.65	-576.55	-401.75	-532.73	120.467203
80	-970.45	-1043.55	-796.95	-893.85	-619.25	-864.81	164.9665208
81	-316.45	-699.65	-1099.15	-508.05	-375.35	-599.73	315.5960662
82	-464.55	-380.65	-873.15	-1125.75	-950.05	-758.83	321.6695774
83	-360.25	-796.85	-416.75	-614.55	-646.95	-567.07	178.0481873
84	-374.75	-511.55	-1039.55	-803.65	-313.85	-608.67	306.0818796
85	-431.35	-1147.25	-1376.85	-529.35	-585.65	-814.09	420.5490495
86	-233.25	-621.45	-501.95	-805.05	-688.85	-570.11	217.9749022
87	-1083.45	-493.25	-1019.95	-914.45	-688.85	-839.99	245.0890614
88	-560.55	-378.75	-576.85	-350.85	-238.95	-421.19	144.5782937
89	-517.95	-358.55	-390.45	-522.65	-425.85	-443.09	74.41272069
90	-1125.55	-275.95	-717.35	-346.35	-623.05	-617.65	338.4871637
91	-1074.15	-557.15	-1223.35	-371.25	-718.25	-788.83	354.6989385
92	-614.65	-1048.45	-650.05	-1141.05	-161.15	-723.07	391.6057737
93	-835.05	-162.75	-362.25	-574.35	-419.95	-470.87	251.3286036
94	-385.25	-965.85	-407.35	-503.35	-771.65	-606.69	252.8136527
95	-201.75	-535.65	-634.05	-759.85	-439.95	-514.25	211.1315348
96	-574.75	-1323.15	-731.55	-460.85	-317.65	-681.59	389.4510534
97	-428.25	-662.45	-1206.25	-673.65	-655.45	-725.21	287.684042
98	-281.25	-513.55	-435.35	-574.35	-683.45	-497.59	151.1353466
99	-793.15	-352.05	-371.05	-652.25	-432.05	-520.11	193.7972084
100	-588.35	-474.45	-866.15	-927.75	-432.35	-657.81	226.6886367

Table 4 DBNE3 3 reaches, 3 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-427.15	-257.25	-255.85	-321.95	-334.75	-319.39	70.27341603
2	-271.55	-408.95	-497.75	-407.45	-283.05	-373.75	95.42282222
3	-444.55	-432.55	-353.45	-617.65	-785.75	-526.79	173.9304257
4	-613.85	-499.55	-566.45	-456.75	-397.45	-506.81	85.92556663

5	-600.15	-547.45	-408.75	-511.05	-413.65	-496.21	83.83718149
6	-708.35	-388.05	-576.75	-439.35	-488.95	-520.29	126.0706072
7	-630.35	-160.95	-659.65	-462.05	-178.55	-418.31	239.1851647
8	-502.65	-178.75	-597.75	-656.25	-251.35	-437.35	211.7660384
9	-970.65	-342.85	-1100.55	-547.25	-195.25	-631.31	392.3523264
10	-976.25	-258.05	-531.25	-623.15	-160.25	-509.79	322.6635988
11	-612.85	-248.65	-346.45	-185.65	-174.05	-313.53	180.7578269
12	-300.05	-301.05	-230.45	-455.15	-308.15	-318.97	82.42716179
13	-310.45	-209.65	-245.35	-112.45	-185.65	-212.71	73.16445858
14	-246.65	-266.35	-240.95	-674.25	-253.65	-336.37	189.1183148
15	-317.05	-184.95	-301.05	-231.65	-250.55	-257.05	53.43645759
16	-780.05	-175.35	-217.95	-242.75	-183.85	-319.99	258.5963128
17	-209.05	-234.55	-288.25	-252.75	-312.65	-259.45	41.42686327
18	-289.65	-205.25	-172.05	-233.75	-244.15	-228.97	43.9825761
19	-217.35	-207.15	-319.45	-194.25	-221.25	-231.89	50.05050449
20	-161.55	-253.55	-260.75	-148.65	-265.75	-218.05	57.80882286
21	-216.85	-245.85	-253.15	-233.45	-242.15	-238.29	13.92813699
22	-196.65	-246.75	-162.95	-195.85	-184.75	-197.39	30.76203829
23	-317.05	-199.45	-388.95	-452.25	-242.95	-320.13	103.3462481
24	-207.45	-348.75	-376.15	-328.15	-279.25	-307.95	66.42262416
25	-277.95	-302.75	-344.75	-206.05	-183.15	-262.93	67.27913495
26	-125.85	-231.35	-302.75	-255.05	-218.35	-226.67	64.90259625
27	-230.95	-297.65	-257.65	-333.45	-217.65	-267.47	47.89668047
28	-301.75	-171.45	-256.65	-257.05	-277.55	-252.89	49.14095034
29	-257.35	-467.65	-374.25	-550.15	-331.75	-396.23	114.8048649
30	-195.65	-197.45	-208.15	-207.55	-195.65	-200.89	6.399453102
31	-207.45	-255.05	-241.55	-231.95	-241.45	-235.49	17.7031918
32	-148.45	-210.75	-231.95	-162.05	-255.15	-201.67	45.44652902
33	-195.65	-389.95	-265.15	-185.65	-217.55	-250.79	83.60659663
34	-221.95	-278.85	-287.85	-244.65	-183.85	-243.43	42.54517599
35	-162.25	-308.15	-245.55	-255.65	-237.35	-241.79	52.33596278
36	-252.45	-241.35	-185.65	-211.05	-183.45	-214.79	31.50012698
37	-244.25	-207.65	-209.25	-406.95	-136.75	-240.97	100.6706362
38	-255.85	-337.45	-315.85	-313.15	-239.05	-292.27	42.40285368
39	-162.05	-209.55	-258.25	-280.05	-232.15	-228.41	45.63565492
40	-173.55	-241.25	-185.65	-230.55	-252.05	-216.61	34.89316552
41	-242.75	-284.95	-269.15	-210.15	-524.35	-306.27	125.165059
42	-255.25	-739.55	-219.25	-209.25	-337.45	-352.15	222.3551663
43	-255.55	-171.75	-282.95	-270.05	-268.85	-249.83	44.71226901
44	-267.75	-303.35	-209.25	-278.65	-301.25	-272.05	38.20412281
45	-244.65	-230.65	-212.85	-279.85	-586.95	-310.99	156.2134693
46	-267.95	-256.75	-229.15	-309.95	-185.65	-249.89	46.19889609
47	-267.55	-256.15	-221.95	-279.15	-217.85	-248.53	27.40970631
48	-230.45	-291.15	-264.95	-208.35	-289.35	-256.85	36.5635064
49	-227.55	-195.05	-221.95	-437.65	-196.55	-255.75	102.7307403

50	-333.95	-269.05	-172.95	-184.75	-209.25	-233.99	67.05171884
51	-242.55	-303.85	-242.45	-247.35	-232.85	-253.81	28.46441638
52	-196.85	-162.05	-291.35	-222.85	-184.95	-211.61	49.67296045
53	-171.75	-314.65	-190.45	-234.65	-221.15	-226.53	55.14215266
54	-241.95	-253.35	-213.05	-270.05	-206.95	-237.07	26.74279342
55	-278.65	-184.05	-158.05	-351.75	-303.45	-255.19	81.70115054
56	-206.35	-231.95	-254.55	-234.65	-267.35	-238.97	23.34613458
57	-197.45	-147.95	-236.75	-148.45	-279.45	-202.01	57.04334317
58	-256.45	-184.75	-245.95	-160.55	-496.85	-268.91	133.6636188
59	-209.05	-302.95	-257.85	-186.55	-229.25	-237.13	45.19543119
60	-231.95	-221.05	-226.45	-232.85	-262.05	-234.87	15.91577833
61	-197.75	-292.05	-225.85	-186.55	-181.05	-216.65	45.55321064
62	-287.75	-286.05	-199.65	-231.95	-216.95	-244.47	40.38869891
63	-195.65	-278.75	-255.35	-221.95	-181.65	-226.67	40.45425812
64	-257.35	-221.05	-225.05	-211.05	-139.45	-210.79	43.49112553
65	-269.35	-218.55	-226.55	-234.65	-264.35	-242.69	22.8461813
66	-290.25	-256.45	-305.95	-231.95	-160.45	-249.01	57.29784464
67	-162.95	-196.55	-289.15	-232.85	-249.25	-226.15	48.52293272
68	-247.35	-292.05	-245.55	-172.95	-264.35	-244.45	44.11246989
69	-210.15	-533.45	-261.25	-237.35	-214.65	-291.37	136.8491396
70	-210.15	-149.45	-272.25	-280.95	-499.15	-282.39	132.2700382
71	-162.95	-290.35	-218.15	-207.45	-160.25	-207.83	52.90148391
72	-256.65	-244.65	-227.15	-199.25	-938.45	-373.23	316.704029
73	-184.75	-173.85	-203.95	-245.55	-267.15	-215.05	39.94809132
74	-210.15	-231.45	-269.85	-174.75	-126.65	-202.57	54.67153738
75	-255.55	-327.25	-276.35	-233.75	-233.45	-265.27	38.93837439
76	-211.05	-276.85	-225.65	-246.45	-199.25	-231.85	30.70830507
77	-198.35	-221.15	-192.85	-161.15	-282.15	-211.13	45.11022057
78	-232.85	-139.35	-226.65	-221.05	-221.05	-208.19	38.78979247
79	-242.85	-219.45	-224.95	-199.25	-221.05	-221.51	15.5498553
80	-245.55	-207.65	-229.15	-221.05	-149.35	-210.55	36.86142971
81	-135.95	-209.35	-350.15	-245.55	-244.65	-237.13	77.31443591
82	-244.65	-242.35	-202.05	-267.35	-185.65	-228.41	33.53226804
83	-256.45	-199.25	-226.55	-211.95	-174.75	-213.79	30.50250809
84	-171.35	-208.35	-256.15	-197.45	-306.35	-227.93	53.52515297
85	-160.25	-187.45	-243.65	-275.45	-256.45	-224.65	48.69312066
86	-162.05	-220.15	-292.45	-243.05	-208.35	-225.21	47.79783468
87	-326.35	-208.45	-205.55	-232.55	-264.45	-247.47	50.03205972
88	-265.95	-196.65	-202.95	-232.85	-162.95	-212.27	38.9499294
89	-257.35	-139.35	-123.35	-221.05	-208.55	-189.93	56.68299569
90	-246.45	-196.75	-327.85	-136.65	-222.45	-226.03	70.07711467
91	-208.35	-301.85	-224.15	-256.65	-233.05	-244.81	36.36004675
92	-280.05	-221.05	-302.15	-267.65	-210.15	-256.21	39.26656338
93	-150.25	-184.75	-254.05	-221.05	-219.55	-205.93	39.6185184
94	-246.45	-347.15	-285.35	-189.25	-193.35	-252.31	66.28244866

95	-255.55	-257.45	-233.75	-207.45	-127.55	-216.35	53.60331146
96	-186.55	-243.05	-245.55	-195.65	-221.95	-218.55	26.87573255
97	-245.55	-174.75	-245.55	-232.85	-269.15	-233.57	35.40228806
98	-234.65	-232.85	-254.05	-232.85	-186.55	-228.19	24.9388853
99	-222.85	-172.95	-234.65	-235.55	-127.55	-198.71	47.32581748
100	-288.25	-230.35	-173.85	-136.65	-266.75	-219.17	63.29365687

Table 5 MBIE 4 reaches, 3 habitats

Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-3290.8	-2360.2	-2236.4	-884.4	-2099.5	-2174.26	859.4219732
2	-2807	-1424.2	-3586.7	-3600.8	-1199.3	-2523.6	1154.697781
3	-2464	-3151.1	-617.7	-1683	-460.4	-1675.24	1161.31309
4	-2564	-2185.2	-660.4	-1100.4	-2987.1	-1899.42	984.8842683
5	-1549	-2446.9	-1740.1	-751	-451	-1387.6	799.2030124
6	-1560.7	-565	-3458	-3518.1	-1591.2	-2138.6	1299.391082
7	-2846.7	-1590.6	-309.1	-2730.1	-1948.8	-1885.06	1026.311782
8	-581.1	-603.3	-1204.8	-1021.4	-1411.8	-964.48	366.9196056
9	-1406.4	-1447.9	-1709	-2177.1	-925.5	-1533.18	457.7571594
10	-758.8	-518.3	-1594.4	-835.9	-669.2	-875.32	418.9736352
11	-1910.1	-394.7	-964.3	-1374.7	-2873.8	-1503.52	946.0191816
12	-1591.1	-611.8	-515.2	-901.8	-1121.7	-948.32	431.9228832
13	-1122.3	-1413.6	-868.1	-385.4	-1478.4	-1053.56	446.0034226
14	-370.8	-481.6	-1627.7	-1091.4	-953.7	-905.04	505.9765637
15	-624.4	-588.9	-770.1	-1253.7	-456	-738.62	308.8829665
16	-677.4	-846.3	-1827.2	-252.2	-796	-879.82	578.9125513
17	-702	-2247.4	-1355.9	-1161.8	-2924.1	-1678.24	894.3947859
18	-953	-664.9	-475.5	-1140.2	-776.9	-802.1	256.5194242
19	-585.5	-407.7	-431.5	-335.1	-1420.6	-636.08	447.9479122
20	-404.9	-311.3	-916.4	-736.8	-732.6	-620.4	252.8521604
21	-491.7	-497.2	-397.1	-2223.3	-979.9	-917.84	764.4901425
22	-396	-550.6	-787.2	-1449.9	-701.1	-776.96	404.6842016
23	-566.6	-1411.1	-1169.7	-1137.6	-434.1	-943.82	421.0203285
24	-540.2	-1305.7	-1541.6	-890.3	-1117.3	-1079.02	384.9583315
25	-825	-457.4	-806.3	-607.2	-1173.7	-773.92	269.9361721
26	-600.2	-301.4	-392.2	-674.8	-1114.5	-616.62	316.7281989
27	-854.3	-962.9	-375.4	-752	-963.1	-781.54	243.3987531
28	-628.9	-468.3	-554	-604.2	-1093.6	-669.8	244.7419559
29	-637.6	-1215.9	-637.4	-447.3	-350.6	-657.76	335.7759268
30	-647	-900.9	-701	-641.2	-786.9	-735.4	109.4464024
31	-465.3	-1113	-1070.4	-790.1	-455.2	-778.8	316.1673212
32	-242.8	-1980.9	-1080.8	-1905.8	-1032.7	-1248.6	716.6900341
33	-387.4	-690.2	-622.9	-982	-447.8	-626.06	234.282112
34	-393	-915.9	-1059.6	-408.3	-897.2	-734.8	311.4865567
35	-500	-506.6	-963.4	-428.8	-454.1	-570.58	221.952522
36	-642.6	-503.7	-1856.7	-750.5	-678.7	-886.44	549.7699319

37	-536.5	-718.2	-2340.4	-905.4	-1460.2	-1192.14	729.2221801
38	-346.8	-349.9	-729	-803.5	-946.2	-635.08	273.1368283
39	-668.2	-534.8	-737.9	-845.1	-479.2	-653.04	148.7608248
40	-380.2	-367.2	-355.6	-571.3	-684.9	-471.84	148.4469703
41	-824.3	-1665.5	-1090.8	-839.8	-465.7	-977.22	444.5647501
42	-770.4	-695.2	-361.5	-1135.7	-889.4	-770.44	283.0456377
43	-453.8	-470.2	-833.3	-766.2	-784.4	-661.58	183.9270834
44	-465	-820.8	-380.3	-1156.3	-1658.2	-896.12	525.8486921
45	-549.5	-798.1	-454.7	-311.4	-791.8	-581.1	212.8362634
46	-287.5	-1289.8	-585.5	-559.4	-861.4	-716.72	379.3254104
47	-868.7	-510.3	-831.1	-442.6	-1246.8	-779.9	322.0861453
48	-405.6	-899.2	-532.5	-381.8	-842.8	-612.38	243.7544912
49	-287.2	-351.9	-794	-426.2	-368.3	-445.52	201.0002662
50	-856.2	-633.9	-1778.4	-552.6	-543.4	-872.9	521.654215
51	-1183	-367.4	-848.4	-597.7	-466.7	-692.64	328.0844602
52	-294.2	-424.7	-1044.1	-404.8	-501.5	-533.86	294.7038055
53	-1067	-308.5	-784.2	-780.7	-1327	-853.48	379.7735602
54	-301.8	-428.3	-286.2	-638.8	-1299.1	-590.84	420.3276377
55	-1568.6	-581.7	-1088.9	-433.1	-549	-844.26	476.8872854
56	-376.7	-317.3	-929.8	-1158.4	-1346	-825.64	461.603112
57	-686.6	-1217.8	-707.5	-486.5	-701.7	-760.02	271.9953069
58	-495.5	-407.5	-582.2	-413.6	-880.8	-555.92	195.0459613
59	-549.4	-554.7	-666.5	-1161.4	-612	-708.8	257.4691535
60	-340.3	-526.6	-412.4	-1426.3	-716.2	-684.36	438.3823936
61	-468.8	-552.6	-365.5	-427	-786.8	-520.14	163.8487046
62	-873	-554.7	-960.3	-446.4	-894.6	-745.8	229.3965453
63	-1121.2	-584.1	-472.4	-1361.3	-678.8	-843.56	379.9222855
64	-471.9	-450	-553.1	-629.5	-975.3	-615.96	213.046915
65	-434.3	-346.6	-933	-871.2	-541.6	-625.34	262.8243101
66	-780.9	-433.1	-609.5	-447.4	-985.6	-651.3	234.2468463
67	-515.7	-642	-751	-957.2	-627.7	-698.72	166.8100926
68	-451.7	-345.8	-587.2	-759	-579.7	-544.68	155.8572648
69	-525.5	-757.9	-1018.4	-627.2	-880.7	-761.94	196.1827796
70	-950.1	-586.7	-523.2	-636.9	-1213.7	-782.12	291.8886637
71	-424.8	-1461.5	-540.9	-743.9	-1166.4	-867.5	435.9200099
72	-525.4	-546	-409.5	-1065.9	-927.4	-694.84	284.6277622
73	-364.2	-440.4	-254.8	-579.9	-1689.2	-665.7	584.2548759
74	-773.8	-329.8	-1423.5	-866.5	-1740.4	-1026.8	557.2499305
75	-349.3	-369.3	-720.4	-798.6	-682.2	-583.96	209.4525794
76	-464.1	-473.8	-1303.3	-803.4	-564	-721.72	352.7091252
77	-421.6	-711.7	-418.9	-1174.1	-668.1	-678.88	308.3094257
78	-425.9	-600.9	-831.4	-355.8	-640.9	-570.98	187.7186911
79	-394.3	-550	-449.6	-801.3	-322.3	-503.5	186.0849134
80	-645.3	-548.6	-668.5	-731	-470.9	-612.86	102.9407742
81	-487.5	-811.1	-412.7	-273.8	-716.2	-540.26	220.4343961

82	-869.3	-411.6	-648	-1009.5	-521.9	-692.06	245.8331202
83	-533.1	-313.4	-355.8	-778	-447.1	-485.48	184.2125593
84	-637.2	-622.7	-956.2	-704.2	-437.1	-671.48	187.4997787
85	-644.2	-661	-697.3	-297.6	-627	-585.42	162.9829807
86	-785.5	-803.9	-503.9	-465.6	-479.5	-607.68	171.3981972
87	-500.5	-364.7	-481.8	-553.4	-390.9	-458.26	78.55063972
88	-776.7	-453.8	-403.5	-820	-661.3	-623.06	187.5556264
89	-730.1	-456.2	-381.4	-972.3	-642.8	-636.56	234.0653605
90	-537.2	-820.2	-431	-1386.8	-432.2	-721.48	404.4802245
91	-631	-585	-419.1	-352.5	-482.9	-494.1	114.8971497
92	-448.7	-942.6	-400.7	-382.4	-400.2	-514.92	240.3454327
93	-401.8	-746	-422.6	-738.6	-530.4	-567.88	166.5575336
94	-435.9	-188.8	-599.8	-490	-620.8	-467.06	173.3361705
95	-525.4	-257.5	-602.6	-558.5	-523.7	-493.54	135.7879339
96	-398.7	-686.8	-503.4	-496.7	-548.2	-526.76	104.7868455
97	-657.2	-288.4	-670.6	-458.8	-528.1	-520.62	157.2830951
98	-541.3	-658.3	-656.1	-840.5	-514.2	-642.08	128.7828094
99	-498.8	-844.5	-332.8	-526.4	-295.5	-499.6	217.4591571
100	-251.5	-249.9	-483.6	-306.1	-465.4	-351.3	114.8990209

Table 6 DBNe 4 reaches, 3 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-680.3	-421.4	-580	-582.5	-580	-568.84	93.00211288
2	-421.5	-478.8	-575.3	-631.5	-575.3	-536.48	84.54313692
3	-608.9	-497.2	-744.9	-669.1	-744.9	-653	104.1259814
4	-1035.5	-516.2	-494.1	-738.2	-494.1	-655.62	235.9786156
5	-556.4	-992.1	-781.5	-368.6	-781.5	-696.02	239.256467
6	-830.1	-625.2	-668.9	-518.5	-668.9	-662.32	112.1369787
7	-574.9	-645.7	-660.6	-417.4	-660.6	-591.84	103.7702414
8	-838.5	-724.1	-593	-462.2	-593	-642.16	143.5988962
9	-832	-647.2	-485.1	-487.8	-485.1	-587.44	153.5056448
10	-758	-594.1	-388.8	-307.6	-388.8	-487.46	184.6491213
11	-476.4	-676.4	-463	-660.9	-463	-547.94	110.4643743
12	-696.5	-1287.1	-843.8	-473.4	-843.8	-828.92	297.6160564
13	-866.3	-685	-350.4	-546.4	-350.4	-559.7	222.2012151
14	-292	-332.5	-452.4	-608.2	-452.4	-427.5	123.7717254
15	-573.4	-385.5	-544.5	-432.5	-544.5	-496.08	82.0635851
16	-416.1	-995.9	-1169.7	-650.9	-1169.7	-880.46	335.0275929
17	-547.1	-679.3	-615.1	-388.5	-615.1	-569.02	111.2164197
18	-713.1	-545.4	-536.7	-576.1	-536.7	-581.6	75.27443125
19	-480.3	-433.2	-498.3	-551.6	-498.3	-492.34	42.50085881
20	-847.9	-571	-540.6	-812.4	-540.6	-662.5	154.057327
21	-1118.3	-390.8	-518.7	-560.7	-518.7	-621.44	284.9846627
22	-243.6	-569.8	-243.1	-667.8	-243.1	-393.48	208.5860182
23	-433.7	-620.9	-359.4	-334.8	-359.4	-421.64	117.4082748

24	-322.6	-441.6	-253	-518.1	-253	-357.66	118.2408051
25	-308.6	-323.9	-365.9	-194.2	-365.9	-311.7	70.42723195
26	-270.5	-436	-312.4	-335.5	-312.4	-333.36	61.98703897
27	-276	-437	-371.4	-277.5	-371.4	-346.66	69.21233994
28	-310.8	-433.1	-347.1	-441.6	-347.1	-375.94	58.06292276
29	-251.4	-530.8	-294.6	-290.2	-294.6	-332.32	112.4300316
30	-284.5	-349.9	-289.3	-283	-289.3	-299.2	28.48262628
31	-305.6	-230.3	-312.3	-334.6	-312.3	-299.02	39.95118271
32	-287.2	-311	-221.2	-652.6	-221.2	-338.64	179.9758539
33	-309.2	-338.4	-207.6	-290.5	-207.6	-270.66	60.04330104
34	-379.2	-228.5	-278.4	-313.5	-278.4	-295.6	55.68541102
35	-354.3	-302.8	-338.3	-232.3	-338.3	-313.2	48.99540795
36	-311.5	-379.3	-254.8	-321.8	-254.8	-304.44	52.16198808
37	-276.8	-322.9	-345.8	-384.6	-345.8	-335.18	39.45544322
38	-354	-316.2	-317.6	-558.5	-317.6	-372.78	105.0423343
39	-265.5	-240.1	-312.8	-331	-312.8	-292.44	38.01700935
40	-343.1	-273.9	-278.6	-303.8	-278.6	-295.6	29.03609822
41	-320.2	-253.7	-265.7	-372.8	-265.7	-295.62	50.27083648
42	-563.2	-206.9	-338.3	-302.1	-338.3	-349.76	130.8622864
43	-325.8	-305.6	-426.3	-376.4	-426.3	-372.08	55.81153107
44	-277.7	-299	-315.6	-268.4	-315.6	-295.26	21.6288696
45	-244.9	-265	-219.4	-244.8	-219.4	-238.7	19.44427936
46	-372.3	-216.9	-252.3	-275.2	-252.3	-273.8	58.87766979
47	-221.3	-334.9	-292	-347.1	-292	-297.46	49.30986717
48	-349.4	-356.4	-219.4	-255.7	-219.4	-280.06	68.16984671
49	-298	-243.1	-369	-315.6	-369	-318.94	52.94655796
50	-365.3	-303	-326.5	-315.6	-326.5	-327.38	23.30572891
51	-347.1	-287.7	-254.8	-305.6	-254.8	-290	38.68830573
52	-300.5	-254.8	-394.3	-302	-394.3	-329.18	62.39973558
53	-298.9	-316.5	-207.6	-327.1	-207.6	-271.54	59.23160474
54	-320.1	-289.5	-373.1	-418.4	-373.1	-354.84	50.45520786
55	-287.9	-334.9	-241.2	-266.6	-241.2	-274.36	39.07624598
56	-357.9	-290.3	-318.3	-335.8	-318.3	-324.12	24.9451799
57	-301.6	-288.6	-294.7	-242.1	-294.7	-284.34	24.05687012
58	-260.2	-353.7	-275.3	-327.4	-275.3	-298.38	40.07975798
59	-239.8	-264.1	-312.3	-184.9	-312.3	-262.68	53.61792611
60	-418.6	-302.3	-264.9	-221.2	-264.9	-294.38	75.14450745
61	-278.6	-324.7	-267.8	-266.6	-267.8	-281.1	24.85578404
62	-184.9	-344.3	-338.3	-325.6	-338.3	-306.28	68.19539574
63	-343.9	-335	-279.3	-267.5	-279.3	-301	35.56838484
64	-298.8	-240.2	-161.3	-325.3	-161.3	-237.38	75.97142226
65	-220.4	-330.2	-344.4	-230.3	-344.4	-293.94	62.97894886
66	-324.9	-220.4	-325.6	-231.2	-325.6	-285.54	54.66916864
67	-345.8	-372.1	-316.5	-207.8	-316.5	-311.74	62.55448026
68	-288.4	-267.5	-314.7	-207.6	-314.7	-278.58	44.34711941

69	-298.1	-253	-300.9	-359.6	-300.9	-302.5	37.86535356
70	-311.1	-346.4	-267.5	-343.5	-267.5	-307.2	38.79987113
71	-288.7	-325.7	-243.9	-339.2	-243.9	-288.28	44.53214569
72	-265.1	-218	-362.8	-281.1	-362.8	-297.96	63.57297382
73	-337.1	-383	-281.1	-329.2	-281.1	-322.3	42.85446301
74	-336.9	-335.8	-339.4	-233	-339.4	-316.9	46.92792346
75	-277.3	-291.2	-313.1	-292	-313.1	-297.34	15.52877973
76	-392.4	-265.8	-278.4	-256.6	-278.4	-294.32	55.59399248
77	-276.2	-276.9	-266.6	-300.4	-266.6	-277.34	13.81984081
78	-300.7	-218	-277.7	-266.8	-277.7	-268.18	30.65431454
79	-347.9	-240.5	-280.2	-269.3	-280.2	-283.62	39.43256269
80	-253.3	-324.8	-417.9	-203.3	-417.9	-323.44	96.43711941
81	-355.4	-339.2	-281.1	-359.5	-281.1	-323.26	39.22796197
82	-216.1	-311.5	-264.3	-362.8	-264.3	-283.8	55.56995591
83	-220.4	-325.7	-315.6	-382.1	-315.6	-311.88	58.13369935
84	-266	-346	-279.3	-291.1	-279.3	-292.34	31.28422925
85	-1037.9	-287.7	-277.5	-339.2	-277.5	-443.96	333.0069188
86	-288.6	-288.4	-372.8	-339.2	-372.8	-332.36	42.32313788
87	-220.3	-266.8	-332	-290.4	-332	-288.3	47.19650411
88	-206.1	-242.3	-348.7	-245.7	-348.7	-278.3	66.11338745
89	-265.3	-337.6	-281.1	-231.2	-281.1	-279.26	38.45442757
90	-277.9	-279.7	-344.6	-231.2	-344.6	-295.6	48.77360967
91	-288.1	-269.3	-292	-313.8	-292	-291.04	15.82033502
92	-277	-300.5	-279.3	-337.4	-279.3	-294.7	25.71254558
93	-249.2	-383	-206.7	-325.6	-206.7	-274.24	77.80888767
94	-209.5	-265	-266.6	-325.6	-266.6	-266.66	41.06078421
95	-227.3	-290.4	-358.2	-327.4	-358.2	-312.3	55.1049907
96	-356.1	-243.1	-302	-253.9	-302	-291.42	45.13853121
97	-243.2	-337.5	-291.1	-350.3	-291.1	-302.64	42.67947985
98	-281.7	-277.7	-300.4	-266.6	-300.4	-285.36	14.80212823
99	-273.6	-373.8	-292	-266.6	-292	-299.6	42.97138583
100	-240.6	-289.8	-323.4	-287.9	-323.4	-293.02	34.02325675

Table 7 MBIE 5 reaches, 3 habitats

Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-3731.95	-3309.95	-3104.05	-4256.95	-3308.75	-3542.33	460.2409499
2	-4445.35	-3175.05	-4306.45	-3525.55	-4557.25	-4001.93	614.0851871
3	-4377.65	-2565.05	-4461.75	-3897.15	-4315.15	-3923.35	789.8473935
4	-3902.55	-3328.75	-1490.05	-3396.45	-4111.95	-3245.95	1036.070758
5	-4260.25	-4957.25	-1797.15	-2524.05	-2923.95	-3292.53	1291.350916
6	-2781.95	-2926.95	-3563.75	-2953.35	-3419.55	-3129.11	341.155255
7	-3812.85	-2531.55	-4178.75	-1463.75	-3495.85	-3096.55	1098.742902
8	-3509.65	-924.65	-927.65	-592.95	-3758.95	-1942.77	1552.632741
9	-2806.75	-1688.45	-3316.45	-752.15	-988.65	-1910.49	1120.36242
10	-2870.65	-4068.05	-1292.75	-3581.85	-1218.55	-2606.37	1304.756244

11	-1154.55	-4171.05	-3674.55	-3093.15	-4165.25	-3251.71	1253.171614
12	-873.35	-3268.45	-959.35	-521.45	-3589.75	-1842.47	1462.069997
13	-4485.65	-1373.65	-2987.55	-1937.15	-2410.25	-2638.85	1191.389296
14	-2800.65	-888.95	-2130.35	-3581.75	-2601.45	-2400.63	994.1851975
15	-4431.05	-1856.95	-3334.95	-635.45	-1851.15	-2421.91	1475.353491
16	-2880.95	-3195.75	-769.65	-3670.85	-2477.55	-2598.95	1111.951022
17	-604.45	-1754.45	-1538.45	-2908.25	-3844.75	-2130.07	1261.379464
18	-1284.05	-1493.35	-454.85	-1106.35	-2399.65	-1347.65	704.8572515
19	-1047.45	-1174.35	-886.45	-1905.15	-1148.85	-1232.45	392.6929016
20	-779.55	-420.65	-2672.55	-1258.55	-487.65	-1123.79	926.6065686
21	-2492.45	-4214.45	-2263.65	-1818.25	-980.05	-2353.77	1189.892025
22	-1884.95	-1137.65	-2526.25	-1152.85	-1171.15	-1574.57	619.1779042
23	-2576.75	-1988.55	-632.35	-2128.15	-1679.55	-1801.07	728.7803318
24	-661.35	-1417.35	-1687.75	-3327.45	-951.75	-1609.13	1039.954288
25	-1436.55	-893.45	-2502.35	-1909.65	-2794.05	-1907.21	772.9671617
26	-2279.55	-1811.05	-4480.85	-610.15	-991.55	-2034.63	1517.491785
27	-568.15	-3127.35	-2386.85	-903.05	-2070.25	-1811.13	1060.735635
28	-2067.55	-1597.85	-692.55	-2239.65	-1539.85	-1627.49	602.3007496
29	-630.85	-1512.25	-480.15	-477.05	-970.25	-814.11	438.8912485
30	-808.25	-1259.95	-982.85	-880.95	-1800.75	-1146.55	403.9260885
31	-1529.25	-2085.55	-3315.65	-1202.85	-665.75	-1759.81	1010.825689
32	-701.25	-898.85	-2298.45	-636.95	-927.95	-1092.69	685.4733058
33	-3470.95	-1099.15	-930.35	-3378.25	-2234.95	-2222.73	1206.866505
34	-2364.35	-2627.25	-1165.85	-1201.15	-3974.85	-2266.69	1162.387174
35	-2494.15	-1471.95	-1250.45	-1831.25	-3683.85	-2146.33	980.0014372
36	-727.15	-2100.95	-3779.75	-625.75	-1544.15	-1755.55	1284.078596
37	-1848.45	-2317.15	-2538.95	-2405.05	-368.15	-1895.55	892.5342486
38	-1346.35	-2244.35	-1120.85	-3250.85	-1528.25	-1898.13	865.3259889
39	-1002.75	-980.95	-903.95	-855.25	-914.85	-931.55	59.94193023
40	-953.55	-1205.25	-1004.15	-1179.75	-930.95	-1054.73	128.8443712
41	-3557.75	-1416.15	-768.25	-1948.05	-2782.35	-2094.51	1101.67867
42	-2037.65	-502.15	-3191.85	-1374.05	-2784.15	-1977.97	1080.480979
43	-2742.15	-1569.45	-803.85	-1547.65	-1054.25	-1543.47	745.6373328
44	-1860.15	-3051.15	-3941.05	-3499.65	-1817.65	-2833.93	961.3993535
45	-533.75	-516.55	-1113.55	-1113.25	-1656.55	-986.73	476.1852497
46	-801.25	-1506.55	-751.85	-820.05	-749.45	-925.83	326.08444
47	-2374.15	-1068.55	-2735.65	-1389.85	-2283.85	-1970.41	706.6194612
48	-1846.55	-1736.35	-902.75	-2041.55	-1703.15	-1646.07	436.0418237
49	-866.35	-678.45	-1106.55	-740.45	-1078.55	-894.07	193.6750552
50	-1591.75	-2789.95	-2675.65	-1433.45	-485.55	-1795.27	955.5309817
51	-1328.35	-900.35	-1443.05	-1417.65	-1052.55	-1228.39	240.0105269
52	-497.55	-1021.25	-411.15	-2345.35	-2399.05	-1334.87	975.4831916
53	-966.65	-3273.75	-1023.95	-2422.05	-1427.85	-1822.85	998.9364469
54	-1089.55	-968.45	-1307.65	-589.25	-583.05	-907.59	317.61925
55	-1567.55	-4265.55	-1545.65	-4031.95	-1703.25	-2622.79	1396.7559

56	-2008.55	-722.05	-3274.15	-1147.15	-1001.45	-1630.67	1036.715909
57	-909.75	-898.45	-1605.25	-1231.85	-1611.65	-1251.39	352.3742726
58	-779.85	-683.95	-1357.35	-818.35	-2663.35	-1260.57	827.0881102
59	-864.45	-3230.75	-1753.05	-615.55	-444.85	-1381.73	1149.903042
60	-1713.45	-418.05	-1780.15	-1317.65	-1047.75	-1255.41	555.2749256
61	-1487.25	-830.35	-1559.85	-433.05	-1622.15	-1186.53	527.769227
62	-738.05	-713.15	-1581.95	-776.45	-1500.55	-1062.03	438.9911241
63	-866.65	-1065.65	-2991.75	-2991.75	-1902.85	-1963.73	1015.811108
64	-908.25	-1192.55	-2046.25	-787.75	-598.65	-1106.69	567.7479044
65	-694.45	-959.45	-996.35	-1048.95	-600.55	-859.95	199.3143372
66	-878.45	-446.55	-956.35	-1882.95	-2568.25	-1346.51	860.4721803
67	-665.35	-1115.95	-1482.45	-575.15	-1500.95	-1067.97	437.7618782
68	-1084.75	-1263.25	-1975.15	-646.55	-347.05	-1063.35	624.220542
69	-1260.95	-754.45	-902.05	-1089.35	-955.05	-992.37	192.1566731
70	-2032.35	-1116.75	-1126.05	-1370.85	-2114.95	-1552.19	487.6832814
71	-555.95	-684.35	-1200.65	-1064.95	-709.15	-843.01	275.0721142
72	-2052.75	-2189.25	-1722.95	-1467.55	-562.55	-1599.01	644.4290946
73	-870.85	-613.85	-1844.15	-1022.35	-1100.75	-1090.39	460.4831951
74	-1488.55	-1873.15	-1884.75	-1016.35	-1802.15	-1612.99	370.3993898
75	-504.95	-567.75	-1520.75	-745.45	-406.75	-749.13	448.6528747
76	-717.35	-1016.35	-2072.35	-888.85	-859.85	-1110.95	547.8457128
77	-2168.75	-698.55	-902.25	-1030.85	-789.35	-1117.95	600.4514676
78	-536.85	-1419.95	-1650.35	-903.05	-624.55	-1026.95	490.0386566
79	-688.35	-1276.15	-455.05	-630.05	-788.85	-767.69	309.0156517
80	-510.55	-738.05	-1684.65	-978.45	-3828.25	-1547.99	1348.603166
81	-2296.95	-872.45	-1348.65	-800.75	-1240.85	-1311.93	598.1456319
82	-2252.75	-581.35	-1710.75	-1396.05	-687.15	-1325.61	702.5733613
83	-1513.55	-2052.35	-1347.05	-1754.05	-684.55	-1470.31	513.2641747
84	-1667.95	-935.65	-2056.75	-806.85	-2300.15	-1553.47	663.9033115
85	-884.35	-534.05	-1431.15	-893.65	-542.95	-857.23	365.6033739
86	-1411.45	-780.65	-1070.35	-2621.95	-1234.05	-1423.69	708.9234394
87	-756.15	-576.75	-2536.05	-1075.95	-607.45	-1110.47	821.1118663
88	-505.15	-1056.05	-2088.65	-1420.05	-1236.35	-1261.25	575.374326
89	-506.35	-1617.45	-3171.25	-1939.95	-743.55	-1595.71	1062.330218
90	-746.45	-1187.85	-698.95	-838.45	-1633.05	-1020.95	392.0658491
91	-1969.85	-1979.65	-511.25	-866.55	-1358.65	-1337.19	655.2009142
92	-2046.55	-465.05	-681.95	-814.75	-2588.25	-1319.31	939.3688642
93	-846.15	-1281.55	-950.05	-2671.05	-1302.85	-1410.33	732.7530123
94	-521.15	-3163.55	-1242.45	-1898.15	-1425.75	-1650.21	980.1912048
95	-1015.85	-1390.25	-2100.45	-826.95	-911.55	-1249.01	522.3208525
96	-1794.95	-891.85	-1062.55	-1038.15	-2334.45	-1424.39	618.3106606
97	-1981.35	-540.95	-2764.35	-693.05	-1028.45	-1401.63	945.409973
98	-710.55	-642.95	-619.35	-463.75	-2213.05	-929.93	722.9567359
99	-659.65	-714.85	-1355.45	-1987.05	-697.45	-1082.89	582.0102645
100	-3224.75	-3083.75	-1486.55	-1976.55	-641.45	-2082.61	1089.752664

Table 8 DBNE3 5 reaches, 3 habitats							
Episode	Run 1	Run 2	Run 3	Run 4	Run 5	Mean	Standard
1	-739.95	-401.95	-462.55	-452.65	-487.75	-508.97	132.8364483
2	-579.65	-804.45	-755.95	-977.85	-301.95	-683.97	256.3610481
3	-906.05	-819.35	-816.65	-588.75	-544.65	-735.09	158.6362916
4	-821.05	-1032.25	-777.05	-924.15	-878.05	-886.51	98.73574834
5	-837.95	-833.15	-835.75	-921.05	-1090.55	-903.69	110.8281462
6	-805.55	-1118.35	-880.15	-556.35	-924.25	-856.93	203.9606629
7	-702.45	-998.35	-309.95	-1315.65	-584.25	-782.13	387.2512195
8	-810.35	-670.55	-607.05	-1642.05	-611.25	-868.25	440.3063082
9	-960.95	-871.05	-793.85	-702.35	-653.85	-796.41	124.3198818
10	-1130.65	-521.65	-1431.75	-621.05	-815.75	-904.17	375.4765066
11	-550.75	-638.05	-1053.45	-761.55	-691.35	-739.03	191.8898043
12	-844.85	-700.75	-777.75	-500.15	-652.65	-695.23	131.430046
13	-487.45	-884.55	-664.15	-584.55	-649.85	-654.11	146.4886446
14	-478.85	-1028.85	-2106.15	-619.15	-1717.95	-1190.19	702.7864562
15	-355.05	-712.95	-767.15	-881.55	-780.35	-699.41	201.9171315
16	-367.15	-969.95	-536.35	-616.45	-963.95	-690.77	267.7067836
17	-863.85	-749.65	-700.05	-638.35	-735.45	-737.47	82.68822165
18	-453.85	-635.45	-506.05	-515.25	-589.55	-540.03	72.02931348
19	-437.55	-955.45	-669.45	-593.65	-828.85	-696.99	201.826257
20	-403.15	-492.15	-547.35	-646.25	-573.95	-532.57	91.15537285
21	-286.95	-599.85	-648.75	-685.85	-288.95	-502.07	197.8306018
22	-301.25	-594.85	-630.45	-490.85	-554.55	-514.39	129.9416715
23	-297.85	-728.85	-783.35	-1354.75	-333.95	-699.75	427.8416822
24	-624.95	-894.45	-678.95	-482.15	-416.05	-619.31	186.693768
25	-312.75	-973.55	-518.95	-447.75	-403.75	-531.35	258.2398498
26	-299.75	-1320.25	-784.25	-898.25	-229.55	-706.41	450.6742205
27	-371.25	-750.95	-735.65	-315.35	-396.65	-513.97	211.4736556
28	-391.55	-335.95	-683.25	-335.05	-397.45	-428.65	145.3661412
29	-333.25	-367.45	-965.75	-286.95	-321.65	-455.01	286.9567267
30	-383.15	-323.95	-896.75	-392.45	-339.35	-467.13	241.8839226
31	-300.55	-301.25	-1700.65	-458.65	-431.95	-638.61	598.1469828
32	-361.25	-475.75	-1039.65	-244.05	-254.05	-474.95	329.3653139
33	-335.95	-384.75	-659.55	-347.75	-367.45	-419.09	135.7097933
34	-302.25	-312.35	-979.25	-418.35	-344.35	-471.31	287.5657368
35	-336.75	-336.65	-1060.25	-417.65	-432.95	-516.85	307.0307232
36	-456.55	-356.65	-431.15	-369.25	-267.65	-376.25	73.63630219
37	-347.65	-650.85	-323.05	-408.35	-349.35	-415.85	135.0616341
38	-357.85	-348.45	-344.45	-318.25	-362.95	-346.39	17.3596659
39	-361.75	-349.35	-276.05	-404.95	-365.65	-351.55	47.0624585
40	-344.45	-409.05	-490.25	-346.15	-359.65	-389.91	61.91056453
41	-346.95	-332.05	-337.55	-297.95	-380.95	-339.09	29.82646476
42	-325.75	-382.95	-288.45	-310.55	-359.45	-333.43	37.86471973

43	-337.85	-405.85	-387.45	-301.35	-335.05	-353.51	42.42072607
44	-263.15	-380.45	-311.25	-300.45	-373.85	-325.83	50.18657191
45	-404.25	-360.25	-273.05	-326.75	-473.45	-367.55	76.17394568
46	-298.65	-464.85	-323.95	-403.15	-446.05	-387.33	73.46568587
47	-417.75	-370.25	-419.05	-422.35	-336.65	-393.21	38.22712388
48	-277.75	-360.45	-416.95	-311.35	-338.45	-340.99	52.51878711
49	-342.75	-310.55	-346.85	-452.05	-430.15	-376.47	61.1426774
50	-441.25	-419.45	-736.15	-436.95	-334.85	-473.73	152.8937114
51	-393.95	-381.55	-361.15	-323.95	-360.25	-364.17	26.60379672
52	-333.45	-372.05	-441.25	-406.45	-338.85	-378.41	45.72185473
53	-393.25	-350.45	-323.25	-310.55	-251.55	-325.81	52.22368237
54	-431.15	-313.95	-360.25	-404.95	-396.55	-381.37	45.43128878
55	-359.65	-394.05	-266.55	-359.65	-382.05	-352.39	50.222485
56	-291.35	-290.35	-349.45	-382.05	-420.45	-346.73	56.86648398
57	-355.45	-391.55	-276.85	-365.75	-358.05	-349.53	43.06619324
58	-361.35	-382.25	-335.25	-476.85	-337.55	-378.65	58.15552424
59	-462.45	-454.05	-332.45	-358.95	-395.85	-400.75	57.19248202
60	-310.55	-371.15	-337.65	-370.85	-347.65	-347.57	25.33213374
61	-357.85	-427.45	-413.45	-276.75	-374.75	-370.05	59.27507908
62	-405.95	-394.35	-313.15	-343.15	-335.25	-358.37	39.90441078
63	-419.45	-267.65	-357.75	-297.85	-299.85	-328.51	60.39543029
64	-297.05	-407.45	-358.75	-264.35	-358.45	-337.21	56.50259286
65	-346.85	-345.55	-372.05	-358.45	-410.15	-366.61	26.57955982
66	-370.35	-394.25	-345.45	-393.15	-428.85	-386.41	30.99875804
67	-467.55	-427.65	-394.75	-322.65	-431.95	-408.91	54.68540025
68	-360.75	-441.35	-338.45	-444.65	-389.45	-394.93	47.47417193
69	-393.25	-419.25	-324.35	-324.95	-290.45	-350.45	53.61142602
70	-357.55	-369.85	-478.35	-418.25	-322.15	-389.23	60.54640369
71	-432.05	-310.55	-300.35	-369.75	-348.45	-352.23	52.72861652
72	-437.05	-334.75	-345.75	-323.35	-457.85	-379.75	62.73926203
73	-372.05	-381.65	-385.65	-437.85	-442.25	-403.89	33.41359005
74	-359.85	-333.55	-392.25	-347.75	-367.35	-360.15	22.04347976
75	-405.85	-368.55	-323.95	-334.05	-375.05	-361.49	33.02927489
76	-360.45	-1571.25	-301.55	-335.05	-361.15	-585.89	551.3700055
77	-336.65	-384.95	-251.35	-323.35	-280.35	-315.33	51.67893188
78	-425.45	-331.65	-411.45	-463.95	-431.95	-412.89	49.32081711
79	-357.75	-322.35	-524.75	-423.55	-325.75	-390.83	85.18269777
80	-287.95	-370.75	-313.05	-384.95	-345.95	-340.53	40.110996
81	-360.45	-335.75	-313.95	-314.85	-303.05	-325.61	22.78887887
82	-394.15	-456.45	-418.75	-345.95	-336.95	-390.45	50.03268931
83	-383.15	-254.95	-373.85	-464.95	-347.75	-364.93	75.50875446
84	-322.25	-308.95	-325.75	-385.65	-636.75	-395.87	137.8581046
85	-383.95	-453.35	-394.85	-349.65	-347.75	-385.91	43.02003022
86	-357.95	-408.35	-325.75	-336.85	-313.95	-348.57	37.14259011
87	-394.75	-396.55	-381.35	-440.55	-332.55	-389.15	38.70555516

88	-392.85	-301.25	-391.75	-317.55	-455.65	-371.81	62.83369319
89	-373.85	-393.85	-323.25	-379.75	-394.25	-372.99	29.18746306
90	-372.05	-431.25	-327.55	-251.85	-430.15	-362.57	75.59627636
91	-393.85	-385.65	-383.05	-444.05	-310.35	-383.39	47.77319332
92	-942.95	-345.05	-397.95	-359.55	-347.75	-478.65	260.4110021
93	-333.95	-312.15	-345.05	-410.15	-348.45	-349.95	36.52102134
94	-359.55	-309.75	-372.05	-384.15	-335.45	-352.19	29.79686225
95	-384.75	-314.15	-359.55	-312.15	-253.15	-324.75	50.5191053
96	-372.95	-311.55	-336.95	-439.45	-311.45	-354.47	53.76548149
97	-321.15	-394.05	-406.05	-339.35	-336.35	-359.39	37.99082784
98	-432.25	-379.25	-346.15	-335.05	-410.15	-380.57	41.24423596
99	-335.45	-324.15	-393.35	-430.45	-398.35	-376.35	44.99294389
100	-386.55	-374.75	-369.65	-325.75	-387.45	-368.83	25.26018606