

TABLE C-2. Wetlands Affected by the Rover Pipeline

Pipeline Segment	Begin MP	State	Watershed (HUC8)	Wetland Resource ID
Supply Laterals				
<i>Aboveground Facilities - Compressor Stations, Receipt and Delivery Stations, Contractor Yards, Access Roads</i>				
Sherwood Compressor Station	-	WV	Little Muskingum-Middle Island	W4H-DO-502
Sherwood Contractor Yard	-	WV	Little Muskingum-Middle Island	W4ES-TY-242
<i>Pipeline Facilities</i>				
Berne Lateral	0.33	OH	Little Muskingum-Middle Island	W4H-MO-652
Berne Lateral	0.34	OH	Little Muskingum-Middle Island	W4H-MO-653
Berne Lateral	1.38	OH	Wills	W3ES-MO-241
Berne Lateral	2.94	OH	Wills	W7H-NO-425
Burgettstown Lateral	38.35	OH	Tuscarawas	W2ES-CA-154
Burgettstown Lateral	38.69	OH	Tuscarawas	W4ES-CA-121
Burgettstown Lateral	38.81	OH	Tuscarawas	W4ES-CA-120
Burgettstown Lateral	42.15	OH	Tuscarawas	W2TB-CA-265
Burgettstown Lateral	44.80	OH	Tuscarawas	W2ES-CA-162
Burgettstown Lateral	45.18	OH	Tuscarawas	W2ES-CA-177
Burgettstown Lateral	45.46	OH	Tuscarawas	W2ES-CA-179
Burgettstown Lateral	45.82	OH	Tuscarawas	W2ES-CA-171
Burgettstown Lateral	46.23	OH	Tuscarawas	W2ES-CA-166
Burgettstown Lateral	46.92	OH	Tuscarawas	W4ES-CA-151
Burgettstown Lateral	47.66	OH	Tuscarawas	W4ES-CA-134
Burgettstown Lateral	49.33	OH	Tuscarawas	W2ES-CA-165
Burgettstown Lateral	50.26	OH	Tuscarawas	W2ES-CA-188
Burgettstown Lateral	50.59	OH	Tuscarawas	W2TB-CA-256
Burgettstown Lateral	50.83	OH	Tuscarawas	W2TB-CA-254
Cadiz Lateral	0.10	OH	Tuscarawas	W1ES-HA-243
Cadiz Lateral	0.39	OH	Tuscarawas	W2ES-HA-325
Cadiz Lateral	1.10	OH	Tuscarawas	W7H-HA-481
Cadiz Lateral	1.92	OH	Tuscarawas	W4H-HA-426
Cadiz Lateral	2.24	OH	Tuscarawas	W4H-HA-425
CGT Lateral	4.09	WV	Little Muskingum-Middle Island	W1ES-DO-217
Clarington Lateral	27.71	OH	Tuscarawas	W4H-HA-664
Clarington Lateral	28.87	OH	Tuscarawas	W4H-HA-344
Clarington Lateral	29.87	OH	Tuscarawas	W2ST-HA-118
Clarington Lateral	29.88	OH	Tuscarawas	W2ST-HA-117
Clarington Lateral	30.37	OH	Tuscarawas	W2ST-HA-114
Clarington Lateral	32.24	OH	Tuscarawas	W8H-HR-200
Clarington Lateral	32.30	OH	Tuscarawas	W8H-HR-198
Clarington Lateral	32.33	OH	Tuscarawas	W8H-HR-798
Clarington Lateral	32.49	OH	Tuscarawas	W8H-HR-197
Seneca Lateral	0.02	OH	Wills	W7H-NO-453
Seneca Lateral	0.70	OH	Wills	W7H-NO-424

Seneca Lateral	3.50	OH	Little Muskingum-Middle Island	W2TB-MO-109
Seneca Lateral	5.07	OH	Wills	W1H-MO-162
Seneca Lateral	5.67	OH	Wills	W4H-MO-201
Sherwood Lateral	5.72	WV	Little Muskingum-Middle Island	W4H-DO-253
Sherwood Lateral	5.83	WV	Little Muskingum-Middle Island	W4H-DO-252
Sherwood Lateral	10.40	WV	Little Muskingum-Middle Island	W5ES-TY-105
Sherwood Lateral	13.65	WV	Little Muskingum-Middle Island	W4ES-TY-109
Sherwood Lateral	15.51	WV	Little Muskingum-Middle Island	W1ES-TY-248
Sherwood Lateral	15.61	WV	Little Muskingum-Middle Island	W7H-TY-474
Sherwood Lateral	21.93	WV	Little Muskingum-Middle Island	W1ES-TY-113
Sherwood Lateral	21.97	WV	Little Muskingum-Middle Island	W1ES-TY-114
Sherwood Lateral	24.47	WV	Little Muskingum-Middle Island	W7H-TY-269
Sherwood Lateral	24.48	WV	Little Muskingum-Middle Island	W7H-TY-267
Sherwood Lateral	26.95	WV	Little Muskingum-Middle Island	W5ES-TY-131
Sherwood Lateral	27.19	WV	Little Muskingum-Middle Island	W5ES-TY-133
Sherwood Lateral	28.26	WV	Little Muskingum-Middle Island	W2TB-TY-190
Sherwood Lateral	29.27	WV	Little Muskingum-Middle Island	W1ES-TY-147
Sherwood Lateral	30.00	WV	Little Muskingum-Middle Island	W4H-TY-262
Sherwood Lateral	33.90	WV	Little Muskingum-Middle Island	W3H-WE-188
Sherwood Lateral	36.28	OH	Little Muskingum-Middle Island	W2ES-MO-117
Sherwood Lateral	42.08	OH	Little Muskingum-Middle Island	W4H-MO-272
Sherwood Lateral	43.98	OH	Little Muskingum-Middle Island	W7H-MO-289
Sherwood Lateral	45.92	OH	Little Muskingum-Middle Island	W2TB-MO-216
Sherwood Lateral	46.78	OH	Little Muskingum-Middle Island	W2TB-MO-205
Sherwood Lateral	1.09A	WV	Little Muskingum-Middle Island	W5ES-DO-166
Sherwood Lateral	1.18A	WV	Little Muskingum-Middle Island	W5ES-DO-167
Sherwood Lateral	1.70A	WV	Little Muskingum-Middle Island	W1ES-DO-218
Supply Connector Lines A and B	0.76	OH	Tuscarawas	W4H-HR-609
Supply Connector Lines A and B	1.50	OH	Tuscarawas	W2ES-HR-251
Supply Connector Lines A and B	3.39	OH	Tuscarawas	W2ST-HR-162
Supply Connector Lines A and B	5.61	OH	Tuscarawas	W4H-HR-492
Supply Connector Lines A and B	7.14	OH	Tuscarawas	W4ES-HR-221
Supply Connector Lines A and B	7.28	OH	Tuscarawas	W4ES-HR-223
Supply Connector Lines A and B	8.61	OH	Tuscarawas	W2ST-HR-165
Supply Connector Lines A and B	9.08	OH	Tuscarawas	W4H-HR-366
Supply Connector Lines A and B	10.26	OH	Tuscarawas	W4ES-HR-225
Supply Connector Lines A and B	10.38	OH	Tuscarawas	W4ES-HR-229
Supply Connector Lines A and B	12.70	OH	Tuscarawas	W9H-HR-132
Supply Connector Lines A and B	13.91	OH	Tuscarawas	W2ES-HR-265
Supply Connector Lines A and B	14.15	OH	Tuscarawas	W2ES-HR-249
Supply Connector Lines A and B	14.30	OH	Tuscarawas	W4H-HR-474
Supply Connector Lines A and B	14.39	OH	Tuscarawas	W4H-HR-476
Supply Connector Lines A and B	14.95	OH	Tuscarawas	W5ES-HR-170
Supply Connector Lines A and B	15.35	OH	Tuscarawas	W3ES-HR-257
Supply Connector Lines A and B	15.40	OH	Tuscarawas	W5ES-HR-171
Supply Connector Lines A and B	16.16	OH	Tuscarawas	W2ES-HR-268
Supply Connector Lines A and B	16.69	OH	Tuscarawas	W2ES-HR-260

Supply Connector Lines A and B	18.28	OH	Tuscarawas	W2TB-CA-250
Supply Connector Lines A and B	18.32	OH	Tuscarawas	W2ST-CA-150
Mainlines				
<i>Aboveground Facilities - Compressor Stations, Receipt and Delivery Stations, Contractor Yards, Access Roads</i>				
Dennison Contractor Yard	-	OH	Tuscarawas	W4H-HR-422
Mainline Compressor Station 2	-	OH	Mohican	W4H-WA-581
Mainline Compressor Station 2	-	OH	Mohican	W4H-WA-582
Mainline Compressor Station 2	-	OH	Mohican	W4H-WA-586
<i>Pipeline Facilities</i>				
Mainlines A and B	21.10	OH	Tuscarawas	W2ST-CA-137
Mainline Compressor Station 2	21.55	OH	Tuscarawas	W2ST-CA-141
Mainline Compressor Station 2	22.05	OH	Tuscarawas	W7H-CA-234
Mainline Compressor Station 2	22.17	OH	Tuscarawas	W7H-CA-233
Mainline Compressor Station 2	22.80	OH	Tuscarawas	W2ES-TU-105
Mainline Compressor Station 2	23.56	OH	Tuscarawas	W4ES-TU-215
Mainline Compressor Station 2	24.05	OH	Tuscarawas	W4ES-TU-217
Mainline Compressor Station 2	24.20	OH	Tuscarawas	W1ES-TU-104
Mainline Compressor Station 2	24.53	OH	Tuscarawas	W1ES-TU-106
Mainline Compressor Station 2	24.78	OH	Tuscarawas	W7H-TU-256
Mainline Compressor Station 2	24.86	OH	Tuscarawas	W7H-TU-255
Mainline Compressor Station 2	24.93	OH	Tuscarawas	W7H-TU-254
Mainline Compressor Station 2	25.11	OH	Tuscarawas	W7H-TU-252
Mainline Compressor Station 2	25.29	OH	Tuscarawas	W7H-TU-251
Mainline Compressor Station 2	25.36	OH	Tuscarawas	W7H-TU-247
Mainline Compressor Station 2	25.85	OH	Tuscarawas	W2H-TU-202
Mainline Compressor Station 2	26.65	OH	Tuscarawas	W4ES-TU-230
Mainline Compressor Station 2	26.73	OH	Tuscarawas	W4ES-TU-232
Mainline Compressor Station 2	27.41	OH	Tuscarawas	W1ES-TU-100
Mainline Compressor Station 2	27.43	OH	Tuscarawas	W1ES-TU-101
Mainline Compressor Station 2	27.70	OH	Tuscarawas	W1ES-TU-102
Mainline Compressor Station 2	28.05	OH	Tuscarawas	W4H-TU-439
Mainline Compressor Station 2	28.13	OH	Tuscarawas	W4H-TU-489
Mainline Compressor Station 2	28.49	OH	Tuscarawas	W2H-TU-163
Mainline Compressor Station 2	29.05	OH	Tuscarawas	W2H-TU-156
Mainline Compressor Station 2	29.06	OH	Tuscarawas	W2H-TU-155
Mainline Compressor Station 2	29.13	OH	Tuscarawas	W2H-TU-154
Mainline Compressor Station 2	29.13	OH	Tuscarawas	W2H-TU-157
Mainline Compressor Station 2	29.31	OH	Tuscarawas	W4ES-TU-220
Mainline Compressor Station 2	29.39	OH	Tuscarawas	W2ES-TU-259
Mainline Compressor Station 2	29.98	OH	Tuscarawas	W4H-TU-385
Mainline Compressor Station 2	31.05	OH	Tuscarawas	W4ES-TU-234
Mainline Compressor Station 2	31.98	OH	Tuscarawas	W8H-TU-225
Mainline Compressor Station 2	32.12	OH	Tuscarawas	W8H-TU-214
Mainline Compressor Station 2	32.26	OH	Tuscarawas	W8H-TU-210
Mainline Compressor Station 2	32.36	OH	Tuscarawas	W8H-TU-208
Mainline Compressor Station 2	33.07	OH	Tuscarawas	W1M-TU-206
Mainline Compressor Station 2	33.86	OH	Tuscarawas	W1M-TU-198

Mainline Compressor Station 2	33.96	OH	Tuscarawas	W1M-TU-203
Mainline Compressor Station 2	34.52	OH	Tuscarawas	W4H-TU-379
Mainline Compressor Station 2	35.71	OH	Tuscarawas	W1M-TU-195
Mainline Compressor Station 2	35.78	OH	Tuscarawas	W1M-TU-194
Mainline Compressor Station 2	36.04	OH	Tuscarawas	W1M-TU-192
Mainline Compressor Station 2	37.46	OH	Tuscarawas	W1M-ST-189
Mainline Compressor Station 2	37.93	OH	Tuscarawas	W1M-ST-184
Mainline Compressor Station 2	38.00	OH	Tuscarawas	W1M-ST-186
Mainline Compressor Station 2	39.08	OH	Tuscarawas	W4H-ST-370
Mainline Compressor Station 2	39.46	OH	Tuscarawas	W4H-ST-367
Mainline Compressor Station 2	42.17	OH	Tuscarawas	W1M-ST-174
Mainline Compressor Station 2	42.20	OH	Tuscarawas	W1M-ST-180
Mainline Compressor Station 2	42.34	OH	Tuscarawas	W1M-ST-179
Mainline Compressor Station 2	42.94	OH	Tuscarawas	W3H-ST-170
Mainline Compressor Station 2	44.44	OH	Tuscarawas	W4H-ST-373
Mainline Compressor Station 2	44.79	OH	Tuscarawas	W4H-ST-375
Mainline Compressor Station 2	46.79	OH	Tuscarawas	W1M-ST-164
Mainline Compressor Station 2	47.40	OH	Tuscarawas	W1H-ST-144
Mainline Compressor Station 2	47.57	OH	Tuscarawas	W4H-ST-191
Mainline Compressor Station 2	47.69	OH	Tuscarawas	W3H-ST-171
Mainline Compressor Station 2	48.00	OH	Tuscarawas	W3H-ST-176
Mainline Compressor Station 2	48.09	OH	Tuscarawas	W4H-ST-187
Mainline Compressor Station 2	48.43	OH	Tuscarawas	W4H-ST-186
Mainline Compressor Station 2	48.56	OH	Tuscarawas	W4H-ST-185
Mainline Compressor Station 2	48.62	OH	Tuscarawas	W7H-ST-184
Mainline Compressor Station 2	48.72	OH	Tuscarawas	W4H-ST-197
Mainline Compressor Station 2	48.80	OH	Tuscarawas	W4H-ST-198
Mainline Compressor Station 2	48.81	OH	Tuscarawas	W1H-ST-157
Mainline Compressor Station 2	48.82	OH	Tuscarawas	W1H-ST-158
Mainline Compressor Station 2	49.01	OH	Tuscarawas	W1M-ST-159
Mainline Compressor Station 2	50.73	OH	Tuscarawas	W3H-ST-165
Mainline Compressor Station 2	50.73	OH	Tuscarawas	W3H-ST-166
Mainline Compressor Station 2	50.75	OH	Tuscarawas	W4H-ST-402
Mainline Compressor Station 2	51.50	OH	Tuscarawas	W2H-AS-130
Mainline Compressor Station 2	52.44	OH	Tuscarawas	W2H-WA-133
Mainline Compressor Station 2	53.55	OH	Tuscarawas	W7H-WA-176
Mainline Compressor Station 2	53.94	OH	Tuscarawas	W7H-WA-174
Mainline Compressor Station 2	53.99	OH	Tuscarawas	W7H-WA-172
Mainline Compressor Station 2	54.09	OH	Tuscarawas	W7H-WA-166
Mainline Compressor Station 2	54.17	OH	Tuscarawas	W7H-WA-168
Mainline Compressor Station 2	54.20	OH	Tuscarawas	W7H-WA-169
Mainline Compressor Station 2	55.36	OH	Tuscarawas	W1H-WA-137
Mainline Compressor Station 2	55.56	OH	Tuscarawas	W1H-WA-140
Mainline Compressor Station 2	56.73	OH	Tuscarawas	W3H-WA-141
Mainline Compressor Station 2	56.74	OH	Tuscarawas	W3H-WA-142
Mainline Compressor Station 2	57.68	OH	Tuscarawas	W1TB-WA-102
Mainline Compressor Station 2	57.74	OH	Tuscarawas	W1TB-WA-104

Mainline Compressor Station 2	60.00	OH	Walhonding	W1TB-WA-108
Mainline Compressor Station 2	60.49	OH	Walhonding	W1TB-WA-113
Mainline Compressor Station 2	60.62	OH	Walhonding	W1TB-WA-111
Mainline Compressor Station 2	62.63	OH	Walhonding	W2H-WA-139
Mainline Compressor Station 2	63.30	OH	Walhonding	W4H-WA-175
Mainline Compressor Station 2	63.36	OH	Walhonding	W4H-WA-176
Mainline Compressor Station 2	64.51	OH	Walhonding	W4H-WA-183
Mainline Compressor Station 2	66.17	OH	Walhonding	W3H-WA-191
Mainline Compressor Station 2	66.19	OH	Walhonding	W3H-WA-192
Mainline Compressor Station 2	67.94	OH	Walhonding	W1M-WA-143
Mainline Compressor Station 2	68.55	OH	Walhonding	W1M-WA-150
Mainline Compressor Station 2	69.36	OH	Walhonding	W3H-WA-143
Mainline Compressor Station 2	69.39	OH	Walhonding	W3H-WA-145
Mainline Compressor Station 2	69.50	OH	Walhonding	W3H-WA-147
Mainline Compressor Station 2	70.16	OH	Walhonding	W7H-WA-179
Mainline Compressor Station 2	70.17	OH	Walhonding	W7H-WA-181
Mainline Compressor Station 2	71.74	OH	Walhonding	W3H-WA-151
Mainline Compressor Station 2	77.13	OH	Mohican	W4H-WA-631
Mainline Compressor Station 2	77.87	OH	Mohican	W4H-WA-632
Mainline Compressor Station 2	78.13	OH	Mohican	W3H-WA-153
Mainline Compressor Station 2	79.28	OH	Mohican	W4H-WA-469
Mainline Compressor Station 2	80.95	OH	Mohican	W4H-AS-233
Mainline Compressor Station 2	81.04	OH	Mohican	W4H-AS-235
Mainline Compressor Station 2	81.24	OH	Mohican	W4H-AS-237
Mainline Compressor Station 2	81.31	OH	Mohican	W2H-AS-121
Mainline Compressor Station 2	83.40	OH	Mohican	W7H-AS-101
Mainline Compressor Station 2	83.65	OH	Mohican	W1H-AS-114
Mainline Compressor Station 2	83.65	OH	Mohican	W5H-AS-102
Mainline Compressor Station 2	83.74	OH	Mohican	W1H-AS-112
Mainline Compressor Station 2	84.08	OH	Mohican	W2H-AS-107
Mainline Compressor Station 2	84.21	OH	Mohican	W2H-AS-108
Mainline Compressor Station 2	84.49	OH	Mohican	W2H-AS-104
Mainline Compressor Station 2	84.68	OH	Mohican	W4H-AS-386
Mainline Compressor Station 2	86.33	OH	Mohican	W4H-AS-392
Mainline Compressor Station 2	87.02	OH	Mohican	W4H-AS-394
Mainline Compressor Station 2	87.35	OH	Mohican	W4H-AS-395
Mainline Compressor Station 2	87.46	OH	Mohican	W4H-AS-396
Mainline Compressor Station 2	89.07	OH	Mohican	W4H-AS-398
Mainline Compressor Station 2	89.08	OH	Mohican	W4H-AS-399
Mainline Compressor Station 2	91.35	OH	Mohican	W1H-AS-133
Mainline Compressor Station 2	94.62	OH	Mohican	W4H-AS-629
Mainline Compressor Station 2	95.53	OH	Mohican	W4H-AS-122
Mainline Compressor Station 2	95.67	OH	Mohican	W4H-RI-131
Mainline Compressor Station 2	98.38	OH	Mohican	W4H-RI-145
Mainline Compressor Station 2	98.97	OH	Mohican	W4H-RI-241
Mainline Compressor Station 2	99.10	OH	Mohican	W4H-RI-139
Mainline Compressor Station 2	99.15	OH	Mohican	W4H-RI-141

Mainline Compressor Station 2	99.17	OH	Mohican	W4H-RI-140
Mainline Compressor Station 2	99.19	OH	Mohican	W4H-RI-142
Mainline Compressor Station 2	99.60	OH	Mohican	W4H-RI-137
Mainline Compressor Station 2	101.48	OH	Mohican	W7H-RI-119
Mainline Compressor Station 2	102.54	OH	Mohican	W7H-RI-140
Mainline Compressor Station 2	102.56	OH	Mohican	W7H-RI-139
Mainline Compressor Station 2	104.32	OH	Mohican	W4H-RI-152
Mainline Compressor Station 2	104.43	OH	Mohican	W4H-RI-148
Mainline Compressor Station 2	104.44	OH	Mohican	W4H-RI-147
Mainline Compressor Station 2	104.57	OH	Mohican	W4H-RI-149
Mainline Compressor Station 2	105.15	OH	Mohican	W6H-RI-101
Mainline Compressor Station 2	105.18	OH	Mohican	W3H-RI-161
Mainline Compressor Station 2	105.79	OH	Mohican	W6H-RI-104
Mainline Compressor Station 2	107.48	OH	Mohican	W7H-RI-148
Mainline Compressor Station 2	108.17	OH	Mohican	W7H-RI-150
Mainline Compressor Station 2	108.19	OH	Mohican	W7H-RI-151
Mainline Compressor Station 2	110.85	OH	Mohican	W6H-RI-107
Mainline Compressor Station 2	111.51	OH	Mohican	W6H-RI-109
DISTRICT TOTAL				

ne Project in the Huntington District

Longitude	Latitude	Cowardin Classification	Crossing Method	Acres Affected During Construction (Temporary)	Acres Converted from PFO/PSS to PEM (Permanent)
-80.692628	39.265631	PFO	Open Cut	0.04	0.00
-80.854722	39.400833	PEM	Open Cut	0.03	0.00
-81.297685	39.772661	PSS	Open Cut	0.01	0.01
-81.297634	39.773009	PSS	Open Cut	0.04	0.03
-81.309375	39.789801	PEM	Open Cut	0.00	0.00
-81.330073	39.802425	PEM	Open Cut	0.02	0.00
-80.990703	40.44396	PSS	Open Cut	0.12	0.06
-80.997733	40.44381	PEM	Open Cut	0.00	0.00
-80.999583	40.444144	PSS	Open Cut	0.40	0.20
-81.061944	40.441667	PEM	Open Cut	0.02	0.00
-81.109563	40.444038	PEM	Open Cut	0.17	0.00
-81.116349	40.443845	PEM	Open Cut	0.08	0.00
-81.121122	40.442351	PEM	Open Cut	0.23	0.00
-81.128042	40.442629	PEM	Open Cut	0.12	0.00
-81.135424	40.443251	PEM	Open Cut	0.06	0.00
-81.146777	40.447065	PEM	Open Cut	0.03	0.00
-81.160781	40.447601	PEM	Open Cut	0.07	0.00
-81.192257	40.444998	PSS	Open Cut	2.89	1.08
-81.207725	40.446342	PEM	Open Cut	0.07	0.00
-81.214394	40.446085	PSS	Open Cut	0.60	0.26
-81.220191	40.446174	PSS	Open Cut	0.06	0.00
-81.0292	40.253198	PEM	Open Cut	0.04	0.00
-81.033941	40.252195	PEM	Open Cut	0.02	0.00
-81.046468	40.250384	PEM	Open Cut	0.00	0.00
-81.060358	40.244706	PEM	Open Cut	0.09	0.00
-81.065975	40.243745	PEM	Open Cut	0.03	0.00
-80.641573	39.310911	PEM	Open Cut	0.00	0.00
-81.042409	40.184216	PSS	Open Cut	0.11	0.02
-81.049171	40.199707	PSS	Open Cut	0.35	0.11
-81.055929	40.212644	PSS	Open Cut	0.08	0.04
-81.056276	40.212956	PEM	Open Cut	0.38	0.00
-81.060185	40.218944	PFO	Open Cut	0.10	0.04
-81.075153	40.240723	PEM	Open Cut	0.08	0.00
-81.073831	40.238278	PEM	Open Cut	0.11	0.00
-81.082044	40.241337	PEM	Open Cut	0.11	0.00
-81.085996	40.242952	PEM	Open Cut	0.02	0.00
-81.340067	39.807325	PEM	Open Cut	0.05	0.00
-81.330589	39.802813	PEM	Open Cut	0.35	0.00

-81.281662	39.799628	PEM	Open Cut	0.04	0.00
-81.251274	39.802474	PSS	Open Cut	0.04	0.01
-81.240107	39.80262	PEM	Open Cut	0.05	0.00
-80.760663	39.332321	PFO	Open Cut	0.09	0.03
-80.760678	39.33389	PEM	Open Cut	0.03	0.00
-80.813366	39.37734	PEM	Open Cut	0.09	0.00
-80.856558	39.401482	PEM	Open Cut	0.06	0.00
-80.882693	39.415868	PEM	Open Cut	0.01	0.00
-80.884557	39.415739	PEM	Open Cut	0.05	0.00
-80.946624	39.480606	PEM	Open Cut	0.01	0.00
-80.946612	39.481163	PEM	Open Cut	0.11	0.00
-80.979106	39.506433	PSS	Open Cut	0.00	0.00
-80.978698	39.507267	PEM	Open Cut	0.46	0.00
-80.969311	39.538904	PEM	Open Cut	0.05	0.00
-80.967092	39.540218	PEM	Open Cut	0.00	0.00
-80.960135	39.55368	PEM	Open Cut	0.00	0.00
-80.951262	39.56494	PEM	Open Cut	0.00	0.00
-80.942696	39.571639	PEM	Open Cut	0.07	0.00
-80.905266	39.611005	PEM	HDD	0.03	0.00
-80.948423	39.637274	PEM	Open Cut	0.01	0.00
-81.01196	39.692297	PFO	Open Cut	0.06	0.05
-81.023804	39.716169	PEM	Open Cut	0.27	0.00
-81.028654	39.740108	PEM	Open Cut	0.21	0.00
-81.028039	39.752636	PSS	Open Cut	0.18	0.11
-80.694067	39.281072	PEM	Open Cut	0.04	0.00
-80.694091	39.282181	PEM	Open Cut	0.01	0.00
-80.698566	39.287117	PEM	Open Cut	0.03	0.00
-81.089653	40.253938	PFO	Open Cut	0.22	0.12
-81.094073	40.262336	PEM	Open Cut	0.80	0.00
-81.093473	40.286728	PEM	Open Cut	0.11	0.00
-81.09542	40.314809	PEM	Open Cut	0.29	0.00
-81.099876	40.336044	PEM	Open Cut	0.45	0.00
-81.102401	40.338115	PEM	Open Cut	2.21	0.00
-81.111446	40.353796	PEM	Open Cut	0.07	0.00
-81.119149	40.35702	PEM	Open Cut	0.05	0.00
-81.136704	40.366524	PEM	Open Cut	0.10	0.00
-81.137906	40.368086	PEM	Open Cut	0.38	0.00
-81.163725	40.390863	PFO	Open Cut	0.37	0.19
-81.178358	40.400508	PEM	Open Cut	0.05	0.00
-81.181891	40.400071	PEM	Open Cut	0.19	0.00
-81.185361	40.399181	PEM	Open Cut	0.03	0.00
-81.186809	40.3995	PEM	Open Cut	0.04	0.00
-81.196081	40.40484	PEM	Open Cut	0.08	0.00
-81.200666	40.408893	PEM	Open Cut	0.07	0.00
-81.201629	40.409953	PFO	Open Cut	0.10	0.08
-81.209392	40.418243	PSS	Open Cut	0.04	0.02
-81.214448	40.425339	PEM	HDD	0.32	0.00

-81.224993	40.44587	PSS	Open Cut	0.38	0.22
-81.227748	40.446377	PEM	Open Cut	0.07	0.00
-81.323146	40.405857	PEM	Open Cut	11.39	0.00
-82.100659	40.787756	PEM	Open Cut	1.00	0.00
-82.100439	40.787844	PFO	Open Cut	0.33	0.02
-82.098506	40.787266	PEM	Open Cut	0.93	0.00
-81.2489	40.476159	PEM	Open Cut	0.06	0.00
-81.253975	40.481705	PEM	Open Cut	0.16	0.00
-81.261211	40.486104	PEM	Open Cut	0.24	0.00
-81.262219	40.487539	PEM	Open Cut	0.22	0.00
-81.269578	40.493742	PEM	Open Cut	0.24	0.00
-81.271564	40.504186	PEM	Open Cut	0.24	0.00
-81.277443	40.509286	PEM	Open Cut	0.08	0.00
-81.276887	40.51143	PSS	Open Cut	0.85	0.44
-81.280752	40.514419	PEM	Open Cut	0.39	0.00
-81.283937	40.517039	PEM	Open Cut	0.17	0.00
-81.286699	40.518757	PFO	HDD	0.10	0.08
-81.288521	40.519089	PFO	HDD	0.54	0.46
-81.290025	40.520637	PFO	HDD	0.13	0.11
-81.293027	40.521725	PFO	HDD	0.28	0.24
-81.294417	40.52186	PFO	HDD	0.07	0.06
-81.30151	40.526462	PEM	Open Cut	0.07	0.00
-81.310942	40.533474	PFO	Open Cut	0.03	0.02
-81.310458	40.534752	PEM	Open Cut	0.32	0.00
-81.312055	40.543641	PEM	Open Cut	0.04	0.00
-81.312055	40.543641	PEM	Open Cut	0.01	0.00
-81.314103	40.549637	PEM	Open Cut	1.94	0.00
-81.316464	40.552653	PFO	Open Cut	0.86	0.46
-81.317237	40.553328	PEM	Open Cut	0.54	0.00
-81.319795	40.557082	PEM	Open Cut	0.26	0.00
-81.3256	40.564312	PEM	Open Cut	0.11	0.00
-81.326088	40.564422	PFO	Open Cut	0.20	0.11
-81.325957	40.565514	PFO	Open Cut	0.33	0.18
-81.326497	40.565061	PEM	Open Cut	0.00	0.00
-81.328212	40.567484	PFO	Open Cut	0.06	0.03
-81.329983	40.569778	PEM	Open Cut	7.40	0.00
-81.333804	40.576352	PEM	Open Cut	1.42	0.00
-81.342443	40.589607	PEM	Open Cut	0.10	0.00
-81.342174	40.602475	PSS	Open Cut	0.02	0.00
-81.341703	40.604503	PEM	Open Cut	0.04	0.00
-81.343008	40.606287	PEM	Open Cut	0.03	0.00
-81.343581	40.607875	PEM	Open Cut	0.01	0.00
-81.349167	40.6175	PEM	Open Cut	0.08	0.00
-81.362275	40.622041	PEM	Open Cut	1.39	0.00

-81.363803	40.622788	PFO	Open Cut	0.63	0.33
-81.371606	40.627742	PFO	Open Cut	0.11	0.06
-81.385855	40.639236	PFO	HDD	0.16	0.13
-81.386769	40.639517	PEM	HDD	0.05	0.00
-81.391474	40.64096	PEM	Open Cut	0.26	0.00
-81.401572	40.657612	PEM	Open Cut	0.54	0.00
-81.407404	40.662515	PFO	Open Cut	0.08	0.03
-81.409789	40.662791	PFO	Open Cut	3.18	1.68
-81.427232	40.666952	PEM	Open Cut	0.52	0.00
-81.434034	40.667781	PFO	Open Cut	0.30	0.16
-81.483655	40.672094	PFO	HDD	0.04	0.04
-81.485449	40.671717	PEM	HDD	0.96	0.00
-81.486987	40.671692	PEM	HDD	0.10	0.00
-81.49878	40.671837	PEM	Open Cut	0.05	0.00
-81.526679	40.673572	PEM	Open Cut	0.99	0.00
-81.534316	40.67392	PSS	Open Cut	0.14	0.08
-81.569426	40.679849	PEM	Open Cut	0.09	0.00
-81.569426	40.679849	PSS	Open Cut	0.05	0.02
-81.581605	40.684639	PFO	Open Cut	0.19	0.08
-81.583909	40.685311	PFO	Open Cut	0.19	0.09
-81.589424	40.686729	PEM	Open Cut	0.01	0.00
-81.591375	40.686342	PEM	Open Cut	0.53	0.00
-81.595778	40.686956	PEM	Open Cut	0.20	0.00
-81.598356	40.688996	PEM	Open Cut	0.27	0.00
-81.599918	40.689777	PEM	Open Cut	1.25	0.00
-81.600125	40.69048	PEM	Open Cut	0.26	0.00
-81.601938	40.691164	PFO	Open Cut	0.14	0.06
-81.602666	40.691568	PEM	Open Cut	0.55	0.00
-81.602825	40.691984	PFO	Open Cut	1.06	0.54
-81.605315	40.69243	PFO	Open Cut	0.37	0.20
-81.63735	40.694893	PSS	Open Cut	0.03	0.03
-81.637409	40.694639	PEM	Open Cut	0.05	0.00
-81.637964	40.69505	PFO	Open Cut	0.22	0.12
-81.650749	40.699236	PEM	Open Cut	0.04	0.00
-81.667028	40.702797	PEM	Open Cut	0.04	0.00
-81.68809	40.704045	PEM	Open Cut	0.23	0.00
-81.694999	40.705346	PEM	Open Cut	0.23	0.00
-81.696347	40.705771	PEM	Open Cut	0.16	0.00
-81.698271	40.705273	PEM	Open Cut	0.44	0.00
-81.699249	40.704847	PEM	Open Cut	0.04	0.00
-81.70003	40.705225	PEM	Open Cut	0.07	0.00
-81.721241	40.703081	PEM	Open Cut	0.03	0.00
-81.724062	40.701765	PEM	Open Cut	0.02	0.00
-81.745764	40.705034	PEM	Open Cut	0.11	0.00
-81.745902	40.704894	PFO	Open Cut	0.02	0.01
-81.76242	40.710019	PEM	Open Cut	0.53	0.00
-81.764166	40.71024	PFO	Open Cut	1.09	0.55

-81.802979	40.720214	PEM	Open Cut	0.22	0.00
-81.812534	40.721648	PFO	Open Cut	0.57	0.33
-81.814641	40.721209	PEM	Open Cut	0.00	0.00
-81.853187	40.720779	PEM	Open Cut	0.05	0.00
-81.866352	40.722253	PFO	Open Cut	0.98	0.52
-81.866874	40.722601	PEM	Open Cut	0.09	0.00
-81.888411	40.722576	PEM	Open Cut	0.12	0.00
-81.914788	40.731847	PEM	Open Cut	0.06	0.00
-81.915134	40.732238	PEM	Open Cut	0.00	0.00
-81.9425	40.7461111	PEM	Open Cut	2.21	0.00
-81.950672	40.748994	PEM	Open Cut	1.12	0.00
-81.96374	40.747156	PEM	Open Cut	0.15	0.00
-81.96404	40.747	PSS	Open Cut	0.03	0.01
-81.966112	40.746772	PEM	Open Cut	0.06	0.00
-81.978886	40.746937	PFO	Open Cut	0.15	0.08
-81.979568	40.747188	PEM	Open Cut	0.98	0.00
-82.008369	40.748545	PEM	HDD	0.01	0.00
-82.089712	40.788059	PEM	Open Cut	0.04	0.00
-82.10362	40.790597	PEM	Open Cut	3.07	0.00
-82.106241	40.791945	PEM	Open Cut	0.07	0.00
-82.125045	40.80133	PEM	Open Cut	0.25	0.00
-82.157381	40.803427	PEM	Open Cut	0.29	0.00
-82.159111	40.804824	PFO	Open Cut	0.70	0.38
-82.16159	40.80622	PFO	Open Cut	0.09	0.05
-82.163635	40.807069	PFO	Open Cut	0.20	0.09
-82.198611	40.812778	PEM	Open Cut	0.24	0.00
-82.204007	40.811958	PEM	Open Cut	0.06	0.00
-82.203879	40.812707	PEM	Open Cut	0.03	0.00
-82.205815	40.811943	PEM	Open Cut	0.06	0.00
-82.213921	40.812546	PFO	Open Cut	0.53	0.35
-82.215513	40.811953	PEM	Open Cut	0.74	0.00
-82.221522	40.812086	PEM	Open Cut	0.65	0.00
-82.224599	40.812185	PEM	Open Cut	0.19	0.00
-82.252752	40.805171	PEM	Open Cut	0.60	0.00
-82.265863	40.805394	PEM	Open Cut	0.23	0.00
-82.271893	40.80497	PEM	Open Cut	0.13	0.00
-82.273864	40.804599	PEM	Open Cut	0.07	0.00
-82.300112	40.808579	PEM	Open Cut	0.07	0.00
-82.299732	40.808841	PEM	Open Cut	0.12	0.00
-82.341125	40.816007	PEM	Open Cut	0.15	0.00
-82.400734	40.821399	PFO	Open Cut	0.23	0.14
-82.414686	40.828697	PFO	HDD	0.52	0.43
-82.416944	40.828611	PFO	HDD	1.16	0.94
-82.462773	40.844449	PFO	Open Cut	0.07	0.03
-82.473896	40.845612	PFO	Open Cut	0.22	0.10
-82.476311	40.846202	PEM	Open Cut	0.25	0.00
-82.477669	40.846105	PFO	Open Cut	0.31	0.18

-82.477765	40.845774	PEM	Open Cut	0.40	0.00
-82.477995	40.845567	PFO	Open Cut	0.06	0.00
-82.48582	40.845918	PEM	Open Cut	0.10	0.00
-82.521138	40.846237	PSS	Open Cut	0.04	0.00
-82.541022	40.845773	PFO	Open Cut	0.22	0.12
-82.541437	40.845498	PEM	Open Cut	0.08	0.00
-82.574559	40.849784	PFO	Open Cut	0.10	0.05
-82.576736	40.85002	PFO	Open Cut	0.26	0.15
-82.576755	40.849837	PSS	Open Cut	0.08	0.04
-82.579152	40.850232	PFO	Open Cut	0.04	0.02
-82.590101	40.850204	PFO	Open Cut	0.08	0.01
-82.590974	40.849913	PFO	Open Cut	0.35	0.17
-82.602406	40.849893	PFO	Open Cut	0.03	0.01
-82.633614	40.845995	PFO	Open Cut	0.23	0.14
-82.646992	40.846662	PEM	Open Cut	0.02	0.00
-82.647177	40.846226	PEM	Open Cut	0.17	0.00
-82.693784	40.857222	PEM	Open Cut	0.02	0.00
-82.702643	40.863598	PEM	Open Cut	0.03	0.00
				85.15	13.44