

APPENDIX 13.7
MINIMUM WINTER TEMPERATURE ANOMALY

header length		16
Area	387500.0 412500.0	
Baseline	1981-2000	
Data Source	Land probabilistic projections	
Data Type	cdf	
Scenario	RCP 8.5	
Show Labels		TRUE
Software Version	WPS-2.7.0-DP-2.7.0-CV-1.0.8	
Spatial Representation	25km grid	
Temporal Average Type	Seasonal	
Time Period	December January February	
Time Slice Type	1-year time slices	
Variable	Minimum air temperature anomaly at 1.5m (°C)	
Year Maximum		2100
Year Minimum		2023

Date	Minimum air temperature anomaly at 1.5m (°C)(5th Percentile)	
01/01/2023		-1.3233511
01/01/2024		-1.3072857
01/01/2025		-1.2906657
01/01/2026		-1.2734493
01/01/2027		-1.2555999
01/01/2028		-1.2370878
01/01/2029		-1.2178932
01/01/2030		-1.1980071
01/01/2031		-1.1774325
01/01/2032		-1.1561855
01/01/2033		-1.1342958
01/01/2034		-1.1118069
01/01/2035		-1.0887753
01/01/2036		-1.0652698
01/01/2037		-1.04137
01/01/2038		-1.0171635
01/01/2039		-0.9927438
01/01/2040		-0.9682065
01/01/2041		-0.94364655
01/01/2042		-0.9191548
01/01/2043		-0.8948152
01/01/2044		-0.87070245
01/01/2045		-0.84688044
01/01/2046		-0.82340086
01/01/2047		-0.800303
01/01/2048		-0.7776138
01/01/2049		-0.7553487
01/01/2050		-0.7335123
01/01/2051		-0.7121004
01/01/2052		-0.69110096
01/01/2053		-0.6704964
01/01/2054		-0.65026474

01/01/2055	-0.63038146
01/01/2056	-0.6108211
01/01/2057	-0.59155834
01/01/2058	-0.57256913
01/01/2059	-0.55383116
01/01/2060	-0.5353242
01/01/2061	-0.5170296
01/01/2062	-0.49892965
01/01/2063	-0.48100674
01/01/2064	-0.46324173
01/01/2065	-0.44561267
01/01/2066	-0.42809334
01/01/2067	-0.410652
01/01/2068	-0.39325047
01/01/2069	-0.3758434
01/01/2070	-0.35837832
01/01/2071	-0.34079584
01/01/2072	-0.32303032
01/01/2073	-0.30501068
01/01/2074	-0.2866618
01/01/2075	-0.26790574
01/01/2076	-0.24866357
01/01/2077	-0.22885731
01/01/2078	-0.20841196
01/01/2079	-0.18725795
01/01/2080	-0.1653334
01/01/2081	-0.14258657
01/01/2082	-0.11897798
01/01/2083	-0.09448226
01/01/2084	-0.06908963
01/01/2085	-0.042806737
01/01/2086	-0.01565691
01/01/2087	0.012320265
01/01/2088	0.041069996
01/01/2089	0.07052396
01/01/2090	0.10060248
01/01/2091	0.13121715
01/01/2092	0.1622737
01/01/2093	0.19367486
01/01/2094	0.22532317
01/01/2095	0.25712326
01/01/2096	0.28898385
01/01/2097	0.32081866
01/01/2098	0.35254705
01/01/2099	0.38409337

Minimum air temperature anomaly
at 1.5m (°C)(10th Percentile)

Minimum air temperature anomaly
at 1.5m (°C)(25th Percentile)

-0.8775022	-0.12531628
-0.8599704	-0.10412994
-0.8419867	-0.08259901
-0.8234993	-0.060680073
-0.8044585	-0.03832935
-0.7848191	-0.015504581
-0.7645428	0.007833135
-0.7435998	0.031717543
-0.72197086	0.056175657
-0.69964874	0.081226364
-0.67663926	0.10687925
-0.652962	0.13313372
-0.62865067	0.15997854
-0.60375226	0.18739167
-0.57832676	0.2153409
-0.55244476	0.24378484
-0.5261855	0.27267456
-0.49963412	0.30195552
-0.4728782	0.33157003
-0.4460051	0.36145929
-0.41909885	0.39156577
-0.39223766	0.4218351
-0.36549187	0.4522176
-0.3389225	0.48266953
-0.31258014	0.5131539
-0.28650483	0.5436407
-0.26072592	0.57410705
-0.23526284	0.6045369
-0.21012591	0.6349203
-0.18531744	0.66525304
-0.16083305	0.69553536
-0.1366629	0.7257716

-0.112793066	0.7559691
-0.08920667	0.7861376
-0.065884985	0.8162884
-0.042808145	0.8464345
-0.01995568	0.8765897
0.00269344	0.90676945
0.025161061	0.9369907
0.04747046	0.9672728
0.069647215	0.9976382
0.09172027	1.0281132
0.11372302	1.0587292
0.13569435	1.0895226
0.15767957	1.1205362
0.17973085	1.1518195
0.20190744	1.1834277
0.22427554	1.2154229
0.2469076	1.2478721
0.2698815	1.2808474
0.29327926	1.3144248
0.31718585	1.3486823
0.34168738	1.3836994
0.36686933	1.4195548
0.39281446	1.4563248
0.4196004	1.4940804
0.44729733	1.5328858
0.4759655	1.5727955
0.5056527	1.6138519
0.5363924	1.656083
0.5682013	1.6995009
0.6010788	1.7441005
0.6350059	1.7898581
0.66994524	1.8367327
0.70584214	1.8846658
0.74262583	1.9335835
0.78021187	1.9833986
0.8185047	2.0340133
0.8574007	2.0853226
0.89679164	2.1372173
0.9365677	2.1895864
0.9766203	2.2423213
1.0168445	2.2953153
1.0571405	2.3484664
1.0974141	2.4016764
1.1375772	2.4548495
1.1775458	2.5078905

Minimum air temperature anomaly
at 1.5m (°C)(50th Percentile)

Minimum air temperature anomaly
at 1.5m (°C)(75th Percentile)

0.7117842	1.5536745
0.73605937	1.5812243
0.76059306	1.6091509
0.78544337	1.6375202
0.81067127	1.6664007
0.8363385	1.6958609
0.8625057	1.7259679
0.8892299	1.7567855
0.91656315	1.788372
0.9445504	1.8207792
0.973228	1.8540498
1.0026222	1.8882167
1.0327486	1.9233017
1.063611	1.9593148
1.095202	1.996254
1.1275028	2.0341053
1.160485	2.0728445
1.1941117	2.112437
1.2283393	2.1528404
1.2631195	2.1940057
1.2984008	2.2358792
1.3341311	2.2784047
1.3702589	2.3215244
1.4067345	2.365182
1.4435116	2.4093227
1.4805484	2.4538972
1.517808	2.4988608
1.555259	2.5441763
1.5928761	2.5898147
1.6306403	2.6357558
1.6685385	2.6819897
1.7065638	2.728516

1.7447156	2.7753456
1.7829987	2.8224988
1.8214235	2.870006
1.8600061	2.917907
1.8987671	2.966249
1.9377326	3.0150867
1.9769331	3.0644805
2.0164042	3.114495
2.0561857	3.1651967
2.096322	3.2166529
2.136862	3.26893
2.1778576	3.3220909
2.2193642	3.3761928
2.2614396	3.4312873
2.3041437	3.4874167
2.3475366	3.5446155
2.3916795	3.602908
2.436632	3.6623085
2.4824524	3.722823
2.5291967	3.7844484
2.5769184	3.8471742
2.6256657	3.910984
2.6754823	3.9758565
2.7264059	4.041766
2.778466	4.108686
2.8316836	4.1765866
2.88607	4.245438
2.9416246	4.3152113
2.998336	4.3858776
3.0561805	4.457409
3.1151216	4.52978
3.1751125	4.6029654
3.236095	4.676943
3.2980034	4.751692
3.360764	4.827193
3.424299	4.903427
3.4885283	4.9803777
3.5533705	5.0580263
3.6187456	5.136353
3.6845753	5.215334
3.750782	5.294938
3.817289	5.3751245
3.8840177	5.4558372
3.9508839	5.5370016
4.017794	5.6185184

Minimum air temperature anomaly
at 1.5m (°C)(90th Percentile)

Minimum air temperature anomaly
at 1.5m (°C)(95th Percentile)

2.3225682	2.7924073
2.3545454	2.8262384
2.3869848	2.8606603
2.4199457	2.8957472
2.4534917	2.9315772
2.4876897	2.9682305
2.5226085	3.0057871
2.5583177	3.044327
2.594884	3.0839262
2.6323714	3.1246555
2.6708379	3.1665785
2.7103333	3.2097485
2.750899	3.2542078
2.7925646	3.299986
2.835348	3.3470976
2.8792543	3.3955445
2.924276	3.4453132
2.9703937	3.496377
3.0175762	3.548697
3.0657816	3.6022239
3.11496	3.656899
3.1650531	3.712657
3.2159986	3.7694283
3.2677307	3.827141
3.320183	3.8857255
3.373292	3.9451153
3.4269981	4.005252
3.4812505	4.066087
3.5360084	4.127584
3.5912437	4.189724
3.6469433	4.252503
3.70311	4.3159356

3.7597632	4.3800545
3.8169403	4.4449096
3.874694	4.5105658
3.9330935	4.5771102
3.9922197	4.6446066
4.0521646	4.713173
4.113026	4.7828975
4.174906	4.853871
4.2379026	4.9261765
4.302109	4.9998837
4.3676066	5.075041
4.4344606	5.151675
4.502718	5.2297854
4.5724006	5.309342
4.643507	5.3902845
4.7160087	5.472524
4.789852	5.555945
4.8649597	5.640408
4.941233	5.7257576
5.018557	5.8118267
5.0968046	5.898444
5.1758413	5.985443
5.255534	6.0726686
5.335753	6.1599817
5.41638	6.2472706
5.4973116	6.334451
5.5784664	6.4214745
5.6597853	6.5083275
5.741236	6.5950336
5.822813	6.6816535
5.9045396	6.7682805
5.9864635	6.8550377
6.068656	6.9420714
6.1512094	7.029544
6.234228	7.117625
6.3178277	7.206486
6.402125	7.296288
6.487232	7.3871756
6.5732512	7.479268
6.6602654	7.5726533
6.748332	7.667381
6.8374763	7.7634563
6.927685	7.860837
7.0188994	7.959428
7.111014	8.059079