Climate Projections for the BC Northeast Region – Methods – Streamflow Section

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FIGURE 11: SELECTED WATERSHEDS

H:\data\projects\hydrology\vic\_gen2\projects\neassess\gis\Northeast\_Basins\_Albers.mxd

TABLE 19: WATERSHED ELEVATIONS

H:\data\projects\hydrology\vic\_gen2\projects\neassess\gis\Northeast\_Basins\_hypsometry.mxd

TABLE 20: SEASONAL AND ANNUAL STREAMFLOW CHANGE IN THE 2050S

FIGURE 12: AVERAGE DAILY HISTORICAL AND FUTURE STREAMFLOW IN THE MURRAY AND BEATTON RIVERS

TABLE 21: SNOWPACK IN THE WATERSHEDS: APRIL 1ST AND MAY 1ST SWE (CHANGE 1971–2000)

TABLE 22: CHANGE IN RETURN PERIOD VOLUME AND FREQUENCY, 2050S

Climate Projections for the BC Northeast Region – Chapter 6 Hydrology Code Key

1. Seasonal and Annual Streamflow Changes – 2050s and 2080s
2. Murray and Beatton Hydrographs – 2020s, 2050s and 2080s
3. Percentage Change in April 1st and May 1st SWE – 2050s and 2080s
4. 1-in-10 low flows and 1-in-20 peak flows – return period and volume change

wernera@leopard:/storage/data/projects/hydrology/vic\_gen2/projects/neassess/code$ ls -lhart final\_2019\_report/

total 28K

drwxrwxr-x. 2 wernera staff 4.0K Jan 15 14:55 shapefiles

drwxrwxr-x. 4 wernera staff 4.0K Jun 14 16:42 ..

drwxrwxr-x. 2 wernera staff 4.0K Jun 14 16:45 lowhighflow

drwxrwxr-x. 2 wernera staff 4.0K Jun 14 16:47 TandP

drwxrwxr-x. 2 wernera staff 4.0K Jun 14 16:48 streamflow

drwxrwxr-x. 4 wernera staff 4.0K Jun 14 16:49 swe

drwxrwxr-x. 7 wernera staff 4.0K Jun 14 16:49 .

wernera@leopard:/storage/data/projects/hydrology/vic\_gen2/projects/neassess/code$ ls -lhart final\_2019\_report/lowhighflow/

total 33K

-rw-rw-r--. 1 wernera staff 11K May 7 12:51 analyze\_hydro\_extremes\_NE2019.r

-rw-rw-r--. 1 wernera staff 2.1K May 9 11:40 analyze\_extremes\_return\_period\_max\_NE2019.r

-rw-rw-r--. 1 wernera staff 4.6K May 9 11:51 analyze\_hydro\_extremes\_lmoments\_NE2019.r

-rw-rw-r--. 1 wernera staff 2.3K May 9 11:54 analyze\_extremes\_return\_period\_min\_NE2019.r

-rw-rw-r--. 1 wernera staff 1.9K May 9 15:53 extremes\_anom\_table\_min\_NE2019.r

-rw-rw-r--. 1 wernera staff 1.9K May 9 15:58 extremes\_anom\_table\_max\_NE2019.r

wernera@leopard:/storage/data/projects/hydrology/vic\_gen2/projects/neassess/code$ ls -lhart final\_2019\_report/TandP/

total 22K

-rw-rw-r--. 1 wernera staff 3.1K Jan 16 17:16 clip\_the\_seasonal\_annual\_flat\_TandP\_netcdfs\_by\_basin.R

-rw-rw-r--. 1 wernera staff 8.3K Jan 28 15:55 make\_seasonal\_annual\_TandP\_tables\_by\_basin\_and\_rcp.R

-rw-rw-r--. 1 wernera staff 1.6K Feb 20 14:55 nice\_pr\_t\_summary\_tables.R

drwxrwxr-x. 2 wernera staff 4.0K Jun 14 16:47 .

drwxrwxr-x. 7 wernera staff 4.0K Jun 14 16:49 ..

wernera@leopard:/storage/data/projects/hydrology/vic\_gen2/projects/neassess/code$ ls -lhart final\_2019\_report/streamflow/

total 36K

-rw-rw-r--+ 1 wernera staff 206 Jan 9 15:12 ne\_stakeholder\_pour\_points\_file.csv

-rw-rw-r--. 1 wernera staff 22 Jan 11 14:28 basin\_list\_haveobs.txt

-rw-rw-r--. 1 wernera staff 4.0K Jan 17 13:09 seasonal\_streamflow\_20s50s80s\_table\_by\_rcp.R

-rw-rw-r--. 1 wernera staff 6.5K Jan 28 11:09 monthly\_seasonal\_annual\_streamflow\_per\_change\_tables\_by\_rcp.R

-rw-rw-r--. 1 wernera staff 3.0K Feb 1 14:46 combine\_daily\_Q.R

-rw-rw-r--. 1 wernera staff 3.7K Apr 24 17:43 plot\_hydrograph\_different\_time\_slices\_obs\_FlowScreen.R

-rw-rw-r--. 1 wernera staff 2.9K May 15 17:00 nice\_streamflow\_summary\_tables.R

-rw-rw-r--. 1 wernera staff 5.2K May 22 17:24 plot\_hydrograph\_different\_time\_slices\_GCMs\_FlowScreen\_2020\_2050\_2080.R

-rw-rw-r--. 1 wernera staff 51 Jun 14 15:48 basin\_list.txt

ernera@leopard:/storage/data/projects/hydrology/vic\_gen2/projects/neassess/code$ ls -lhart final\_2019\_report/swe

total 35K

-rw-rwxr-x. 1 wernera staff 2.0K Mar 5 14:02 wrapper\_pbs\_SWE\_Apr\_1st\_compute\_nodes.sh

-rw-rw-r--. 1 wernera staff 266 Mar 5 16:23 hydro\_6\_gcms\_list.txt

-rw-rw-r--. 1 wernera staff 1.7K Mar 11 16:23 mapping\_Apr1st\_SWE.R

drwxrwxr-x. 2 wernera staff 4.0K Mar 11 16:54 basin\_latlons

-rw-rwxr-x. 1 wernera staff 1.9K Mar 13 15:19 wrapper\_pbs\_SWE\_May\_1st\_compute\_nodes.sh

-rw-rw-r--. 1 wernera staff 2.4K Mar 13 15:55 mapping\_Apr1st\_SWE\_anomalies.R

-rw-rw-r--. 1 wernera staff 2.4K Mar 13 16:56 mapping\_May1st\_SWE\_anomalies.R

-rw-rw-r--. 1 wernera staff 1.9K Mar 13 17:00 mapping\_May1st\_SWE.R

-rw-rw-r--. 1 wernera staff 2.4K Apr 5 16:41 mapping\_May1st\_SWE\_historical.R

-rw-rw-r--. 1 wernera staff 2.4K Apr 5 16:44 mapping\_Apr1st\_SWE\_historical.R

drwxrwxr-x. 2 wernera staff 4.0K Jun 14 16:35 logs