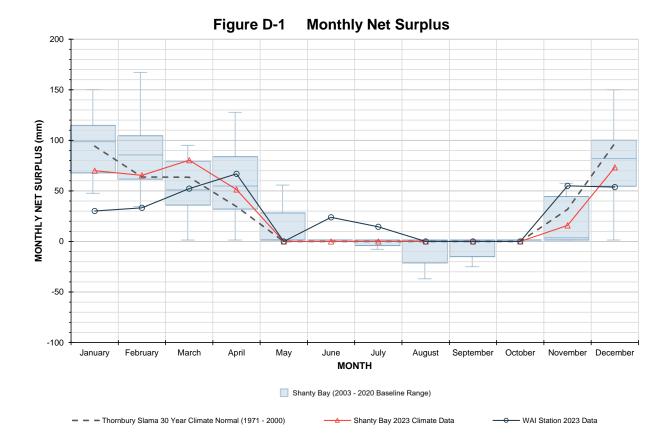
March 31, 2024 CA0020199.6213

APPENDIX D

Climate Data





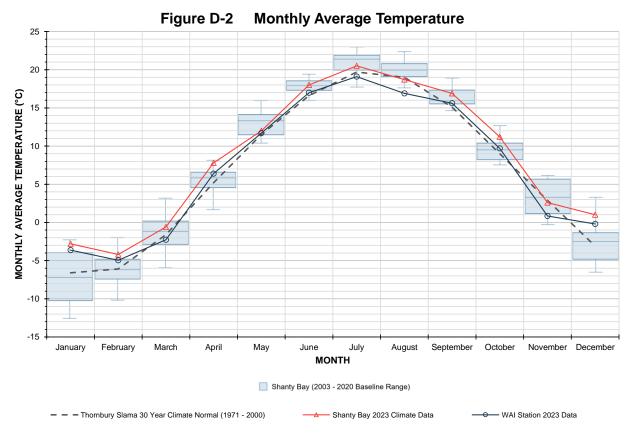
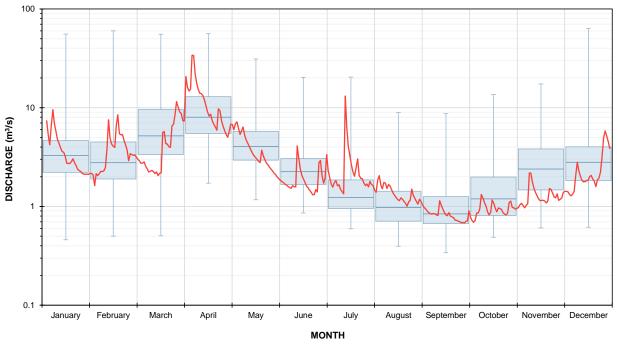


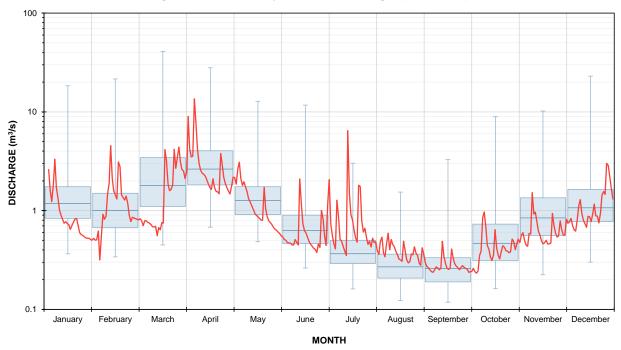
Figure D-3 Mad River Discharge (02ED015)



■Mad River (1995 - 2020 Baseline Range)

2023 Mean Daily Discharge

Figure D-4 Pretty River Discharge (02ED031)



■ Pretty River (2007 - 2020 Baseline Range)

2023 Mean Daily Discharge

Table D-1: 30 Year Climate Normal (1971 - 2000)

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-6.6	0.0	0.0	0.8	0.0	94.2	150.0	94.2	0.0
February	-6.1	0.0	0.0	0.8	0.0	63.8	150.0	63.8	0.0
March	-1.6	0.0	0.0	1.0	0.0	63.5	150.0	63.5	0.0
April	5.2	1.1	24.9	1.1	27.9	62.4	150.0	34.5	0.0
Мау	11.5	3.5	56.8	1.3	72.1	70.6	148.5	0.0	0.0
June	16.6	6.1	83.1	1.3	106.4	75.7	117.8	0.0	0.0
July	19.7	7.9	99.3	1.3	129.0	80.9	69.7	0.0	0.0
August	19.0	7.5	95.6	1.2	114.7	85.8	40.7	0.0	0.0
September	15.1	5.3	75.3	1.0	78.3	94.0	56.4	0.0	0.0
October	9.0	2.4	44.0	1.0	41.8	81.0	95.5	0.0	0.0
November	2.9	0.4	13.6	0.8	11.0	97.2	150.0	31.7	0.0
December	-3.1	0.0	0.0	0.8	0.0	97.0	150.0	97.0	0.0
Total	6.8	34.3			581.4	966.1		384.7	0.0
				Ne	et Water Surplus	384.7	mm		

- $^{\circ}\text{C}\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Climate normal data from Thornbury Slama Climatological Station located at 44°34′N 80°29′W/O, 213 masl

Table D-2a: 2003 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-11.2	0.0	0.0	0.8	0.0	128.2	150.0	128.2	0.0
February	-10.5	0.0	0.0	0.8	0.0	111.6	150.0	111.6	0.0
March	-2.9	0.0	0.0	1.0	0.0	76.6	150.0	76.6	0.0
April	3.5	0.6	16.1	1.1	18.0	51.2	150.0	33.2	0.0
Мау	11.4	3.5	55.6	1.3	70.7	73.0	150.0	2.3	0.0
June	17.3	6.5	86.2	1.3	110.4	45.4	85.0	0.0	0.0
July	19.8	8.0	99.4	1.3	129.2	61.0	16.8	0.0	0.0
August	20.6	8.5	103.6	1.2	124.3	68.8	0.0	0.0	38.7
September	15.8	5.7	78.4	1.0	81.5	65.2	0.0	0.0	16.3
October	7.8	2.0	37.3	1.0	35.5	111.0	75.5	0.0	0.0
November	3.4	0.6	15.6	0.8	12.6	131.0	150.0	43.9	0.0
December	-2.6	0.0	0.0	0.8	0.0	97.4	150.0	97.4	0.0
Total	6.0	35.2			582.2	1020.4		493.2	55.0
				Ne	et Water Surplus	438.2	mm		

Table D-3a: 2004 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-12.9	0.0	0.0	0.8	0.0	149.6	150.0	149.6	0.0
February	-6.4	0.0	0.0	0.8	0.0	56.6	150.0	56.6	0.0
March	-0.2	0.0	0.0	1.0	0.0	94.2	150.0	94.2	0.0
April	5.5	1.2	26.6	1.1	29.8	43.0	150.0	13.2	0.0
Мау	11.5	3.5	57.0	1.3	72.4	148.6	150.0	76.2	0.0
June	16.0	5.8	80.2	1.3	102.6	44.0	91.4	0.0	0.0
July	19.2	7.6	96.8	1.3	125.8	124.8	90.3	0.0	0.0
August	17.6	6.7	88.5	1.2	106.2	48.0	32.2	0.0	0.0
September	16.7	6.2	83.8	1.0	87.2	37.4	0.0	0.0	17.6
October	9.3	2.6	45.8	1.0	43.5	61.6	18.1	0.0	0.0
November	3.1	0.5	14.7	0.8	11.9	81.8	88.0	0.0	0.0
December	-5.7	0.0	0.0	0.8	0.0	115.6	150.0	53.6	0.0
Total	6.1	34.0			579.5	1005.2		443.3	17.6
				Ne	et Water Surplus	425.7	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24'N 79°37.8'W/O, 250 masl

Table D-4a: 2005 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-9.6	0.0	0.0	0.8	0.0	59.2	150.0	59.2	0.0
February	-6.6	0.0	0.0	0.8	0.0	61.8	150.0	61.8	0.0
March	-4.1	0.0	0.0	1.0	0.0	39.4	150.0	39.4	0.0
April	6.3	1.4	26.3	1.1	29.4	121.0	150.0	91.6	0.0
Мау	10.5	3.1	47.0	1.3	59.7	26.8	117.1	0.0	0.0
June	20.5	8.4	100.8	1.3	129.0	142.4	130.5	0.0	0.0
July	21.6	9.1	107.0	1.3	139.0	50.4	41.8	0.0	0.0
August	20.7	8.5	101.9	1.2	122.3	65.2	0.0	0.0	15.2
September	17.9	6.9	86.3	1.0	89.8	78.6	0.0	0.0	11.2
October	10.6	3.1	47.5	1.0	45.2	44.0	0.0	0.0	1.2
November	3.8	0.7	14.8	0.8	12.0	118.2	106.2	0.0	0.0
December	-4.7	0.0	0.0	0.8	0.0	114.6	150.0	70.8	0.0
Total	7.2	41.2			626.4	921.6		322.8	27.6
				Ne	et Water Surplus	295.2	mm		

Table D-5a: 2006 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-2.5	0.0	0.0	0.8	0.0	78.2	150.0	78.2	0.0
February	-7.0	0.0	0.0	0.8	0.0	166.6	150.0	166.6	0.0
March	-1.5	0.0	0.0	1.0	0.0	61.0	150.0	61.0	0.0
April	7.0	1.7	31.4	1.1	35.1	85.0	150.0	49.9	0.0
Мау	13.3	4.4	63.4	1.3	80.5	52.2	121.7	0.0	0.0
June	18.3	7.1	89.9	1.3	115.1	85.8	92.4	0.0	0.0
July	21.9	9.3	109.5	1.3	142.4	143.8	93.8	0.0	0.0
August	19.6	7.9	97.0	1.2	116.4	22.2	0.0	0.0	0.4
September	14.6	5.0	70.2	1.0	73.0	100.2	27.2	0.0	0.0
October	8.1	2.1	36.8	1.0	35.0	132.4	124.6	0.0	0.0
November	4.6	0.9	19.8	0.8	16.0	97.8	150.0	56.4	0.0
December	0.5	0.0	1.7	0.8	1.4	88.8	150.0	87.4	0.0
Total	8.1	38.3			614.9	1114.0		499.5	0.4
				Ne	et Water Surplus	499.1	mm	_	

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-6a: 2007 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-5.8	0.0	0.0	0.8	0.0	75.7	150.0	75.7	0.0
February	-9.5	0.0	0.0	0.8	0.0	103.3	150.0	103.3	0.0
March	-1.3	0.0	0.0	1.0	0.0	35.2	150.0	35.2	0.0
April	6.5	1.5	27.5	1.1	30.8	91.4	150.0	60.6	0.0
Мау	13.4	4.4	62.4	1.3	79.3	48.1	118.8	0.0	0.0
June	18.7	7.3	91.0	1.3	116.5	13.9	16.3	0.0	0.0
July	20.0	8.1	98.2	1.3	127.6	79.7	0.0	0.0	31.7
August	21.1	8.8	104.3	1.2	125.2	48.5	0.0	0.0	76.7
September	17.0	6.3	81.7	1.0	85.0	58.4	0.0	0.0	26.6
October	12.6	4.0	58.2	1.0	55.3	101.9	46.6	0.0	0.0
November	1.4	0.1	4.8	0.8	3.9	89.9	132.6	0.0	0.0
December	-4.1	0.0	0.0	0.8	0.0	166.9	150.0	149.5	0.0
Total	7.5	40.7			623.6	912.9		424.2	134.9
				Ne	et Water Surplus	289.3	mm		

Table D-7a: 2008 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-4.3	0.0	0.0	0.8	0.0	98.6	150.0	98.6	0.0
February	-7.1	0.0	0.0	0.8	0.0	135.3	150.0	135.3	0.0
March	-4.3	0.0	0.0	1.0	0.0	87.5	150.0	87.5	0.0
April	-8.6	0.0	0.0	1.1	0.0	33.3	150.0	33.3	0.0
May	10.3	3.0	51.2	1.3	65.0	99.3	150.0	34.3	0.0
June	18.6	7.3	93.9	1.3	120.2	73.0	102.8	0.0	0.0
July	20.5	8.4	103.7	1.3	134.8	95.3	63.3	0.0	0.0
August	18.4	7.2	92.8	1.2	111.4	67.5	19.4	0.0	0.0
September	15.7	5.6	78.9	1.0	82.0	105.0	42.4	0.0	0.0
October	8.1	2.1	40.0	1.0	38.0	39.5	43.9	0.0	0.0
November	0.9	0.1	4.2	0.8	3.4	146.0	150.0	36.5	0.0
December	-4.9	0.0	0.0	0.8	0.0	112.1	150.0	112.1	0.0
Total	5.3	33.6			554.8	1092.4		537.6	0.0
				N	et Water Surplus	537.6	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-8a: 2009 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-10.7	0.0	0.0	0.8	0.0	113.2	150.0	113.2	0.0
February	-5.9	0.0	0.0	0.8	0.0	105.0	150.0	105.0	0.0
March	-0.7	0.0	0.0	1.0	0.0	50.7	150.0	50.7	0.0
April	6.4	1.5	31.1	1.1	34.8	146.1	150.0	111.3	0.0
Мау	12.3	3.9	61.1	1.3	77.6	78.7	150.0	1.1	0.0
June	15.9	5.7	79.6	1.3	101.9	81.6	129.7	0.0	0.0
July	17.7	6.7	89.0	1.3	115.7	104.9	118.9	0.0	0.0
August	19.4	7.7	97.8	1.2	117.4	58.7	60.3	0.0	0.0
September	15.5	5.5	77.6	1.0	80.7	42.1	21.7	0.0	0.0
October	7.4	1.8	36.1	1.0	34.3	80.1	67.5	0.0	0.0
November	5.5	1.2	26.6	0.8	21.5	30.0	75.9	0.0	0.0
December	-4.0	0.0	0.0	0.8	0.0	72.9	148.8	0.0	0.0
Total	6.6	34.1			583.8	964.0		381.3	0.0
				Ne	et Water Surplus	381.3	mm		

Table D-9a: 2010 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-7.2	0.0	0.0	0.8	0.0	46.3	150.0	46.3	0.0
February	-5.9	0.0	0.0	0.8	0.0	41.1	150.0	41.1	0.0
March	3.0	0.5	11.1	1.0	11.4	30.5	150.0	19.1	0.0
April	9.6	2.7	42.1	1.1	47.2	27.3	130.1	0.0	0.0
Мау	14.9	5.2	69.7	1.3	88.6	102.4	143.9	0.0	0.0
June	17.6	6.7	84.4	1.3	108.1	169.9	150.0	55.8	0.0
July	21.8	9.2	107.9	1.3	140.3	97.8	107.5	0.0	0.0
August	21.1	8.8	103.9	1.2	124.7	63.2	46.0	0.0	0.0
September	15.7	5.6	74.1	1.0	77.0	118.9	87.9	0.0	0.0
October	9.3	2.6	40.6	1.0	38.6	64.1	113.4	0.0	0.0
November	3.1	0.5	11.5	0.8	9.3	48.1	150.0	2.1	0.0
December	-5.6	0.0	0.0	0.8	0.0	103.4	150.0	103.4	0.0
Total	8.1	41.7			645.2	913.0		267.8	0.0
				Ne	et Water Surplus	267.8	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-10a: 2011 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	wнс	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-9.0	0.0	0.0	0.8	0.0	107.6	150.0	107.6	0.0
February	-6.5	0.0	0.0	0.8	0.0	61.8	150.0	61.8	0.0
March	-2.5	0.0	0.0	1.0	0.0	84.5	150.0	84.5	0.0
April	5.9	1.3	24.6	1.1	27.6	90.2	150.0	62.6	0.0
Мау	13.6	4.5	63.4	1.3	80.5	70.7	140.2	0.0	0.0
June	17.7	6.7	85.5	1.3	109.4	57.8	88.6	0.0	0.0
July	22.5	9.7	112.2	1.3	145.8	92.7	35.4	0.0	0.0
August	20.3	8.3	99.8	1.2	119.8	71.9	0.0	0.0	12.5
September	16.5	6.1	78.9	1.0	82.1	74.5	0.0	0.0	7.6
October	10.1	2.9	45.3	1.0	43.0	118.5	75.5	0.0	0.0
November	5.8	1.3	24.2	0.8	19.6	96.3	150.0	2.2	0.0
December	-0.7	0.0	0.0	0.8	0.0	62.9	150.0	62.9	0.0
Total	7.8	40.8			627.8	989.4		381.6	20.1
				Ne	et Water Surplus	361.6	mm		

Table D-11a: 2012 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-3.9	0.0	0.0	0.8	0.0	66.9	150.0	66.9	0.0
February	-2.4	0.0	0.0	0.8	0.0	81.1	150.0	81.1	0.0
March	6.4	1.5	26.2	1.0	26.9	24.9	148.0	0.0	0.0
April	5.9	1.3	23.9	1.1	26.7	46.8	150.0	18.1	0.0
Мау	15.2	5.4	71.1	1.3	90.3	39.6	99.3	0.0	0.0
June	19.4	7.7	94.2	1.3	120.6	78.4	57.1	0.0	0.0
July	22.5	9.7	111.8	1.3	145.3	83.7	0.0	0.0	4.5
August	20.3	8.3	99.3	1.2	119.1	95.0	0.0	0.0	24.1
September	15.3	5.4	71.6	1.0	74.5	138.0	63.5	0.0	0.0
October	9.5	2.6	41.3	1.0	39.3	127.5	150.0	1.7	0.0
November	2.3	0.3	8.0	0.8	6.5	49.5	150.0	43.0	0.0
December	-0.8	0.0	0.0	0.8	0.0	73.6	150.0	73.6	0.0
Total	9.1	42.2			649.1	905.0		284.4	28.6
				Ne	et Water Surplus	255.9	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-12a: 2013 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-4.9	0.0	0.0	0.8	0.0	107.0	150.0	107.0	0.0
February	-6.6	0.0	0.0	0.8	0.0	101.8	150.0	101.8	0.0
March	-1.3	0.0	0.0	1.0	0.0	33.1	150.0	33.1	0.0
April	5.1	1.0	22.8	1.1	25.5	113.1	150.0	87.6	0.0
Мау	13.8	4.6	66.7	1.3	84.7	109.2	150.0	24.5	0.0
June	17.8	6.8	87.8	1.3	112.4	29.8	67.4	0.0	0.0
July	21.2	8.9	106.1	1.3	137.9	110.9	40.3	0.0	0.0
August	19.2	7.6	95.3	1.2	114.4	103.3	29.3	0.0	0.0
September	15.0	5.3	73.0	1.0	75.9	79.1	32.4	0.0	0.0
October	10.2	2.9	48.1	1.0	45.7	120.3	107.0	0.0	0.0
November	0.8	0.1	3.1	0.8	2.5	63.1	150.0	17.6	0.0
December	-6.4	0.0	0.0	0.8	0.0	93.2	150.0	93.2	0.0
Total	7.0	37.2			599.2	1063.9		464.7	0.0
				Ne	et Water Surplus	464.7	mm		

Table D-13a: 2014 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-10.5	0.0	0.0	0.8	0.0	97.1	150.0	97.1	0.0
February	-9.5	0.0	0.0	0.8	0.0	72.1	150.0	72.1	0.0
March	-6.2	0.0	0.0	1.0	0.0	49.0	150.0	49.0	0.0
April	4.6	0.9	21.2	1.1	23.7	81.1	150.0	57.4	0.0
Мау	13.2	4.3	64.6	1.3	82.1	42.3	110.2	0.0	0.0
June	18.3	7.1	91.3	1.3	116.8	134.8	128.2	0.0	0.0
July	18.9	7.4	94.4	1.3	122.8	73.6	79.1	0.0	0.0
August	18.8	7.4	93.9	1.2	112.7	104.3	70.7	0.0	0.0
September	15.8	5.7	78.1	1.0	81.3	99.9	89.3	0.0	0.0
October	9.8	2.8	47.2	1.0	44.8	75.2	119.7	0.0	0.0
November	1.0	0.1	4.2	0.8	3.4	77.6	150.0	43.9	0.0
December	-1.8	0.0	0.0	0.8	0.0	74.5	150.0	74.5	0.0
Total	6.0	35.7			587.6	981.5		393.9	0.0
				N	et Water Surplus	393.9	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-14a: 2015 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-10.7	0.0	0.0	0.8	0.0	61.5	150.0	61.5	0.0
February	-14.9	0.0	0.0	0.8	0.0	52.9	150.0	52.9	0.0
March	-3.5	0.0	0.0	1.0	0.0	23.9	150.0	23.9	0.0
April	6.2	1.4	25.9	1.1	29.0	61.1	150.0	32.1	0.0
Мау	15.3	5.4	72.3	1.3	91.9	38.3	96.4	0.0	0.0
June	17.2	6.5	82.6	1.3	105.8	153.5	144.2	0.0	0.0
July	20.2	8.2	99.2	1.3	128.9	37.0	52.2	0.0	0.0
August	19.5	7.8	95.3	1.2	114.3	106.4	44.3	0.0	0.0
September	18.9	7.4	92.0	1.0	95.6	67.2	15.8	0.0	0.0
October	9.0	2.4	39.6	1.0	37.6	84.0	62.2	0.0	0.0
November	6.0	1.3	25.0	0.8	20.2	60.8	102.8	0.0	0.0
December	3.1	0.5	11.8	0.8	9.2	39.7	133.3	0.0	0.0
Total	7.2	41.0			632.6	786.3		170.4	0.0
				Ne	et Water Surplus	170.4	mm		

Table D-15a: 2016 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-5.7	0.0	0.0	0.8	0.0	116.0	150.0	116.0	0.0
February	-5.0	0.0	0.0	0.8	0.0	50.0	150.0	50.0	0.0
March	0.5	0.0	1.4	1.0	1.4	156.0	150.0	154.6	0.0
April	3.8	0.7	14.4	1.1	16.1	65.0	150.0	48.9	0.0
Мау	13.5	4.5	62.1	1.3	78.8	51.0	122.2	0.0	0.0
June	18.0	6.9	86.4	1.3	110.7	39.0	50.5	0.0	0.0
July	21.9	9.3	108.4	1.3	140.9	54.0	0.0	0.0	36.3
August	22.4	9.6	111.2	1.2	133.5	118.0	0.0	0.0	15.5
September	17.6	6.7	84.2	1.0	87.6	38.0	0.0	0.0	49.6
October	10.8	3.2	48.0	1.0	45.6	79.0	33.4	0.0	0.0
November	5.6	1.2	22.5	0.8	18.2	52.0	67.2	0.0	0.0
December	-2.7	0.0	0.0	0.8	0.0	124.0	150.0	41.2	0.0
Total	8.4	42.1			632.8	942.0		410.6	101.4
				No	et Water Surplus	309.2	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-16a: 2017 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-3.7	0.0	0.0	0.8	0.0	131.0	133.3	131.0	0.0
February	-2.2	0.0	0.0	0.8	0.0	101.0	150.0	84.3	0.0
March	-0.3	0.0	0.0	1.0	0.0	75.0	150.0	75.0	0.0
April	8.0	2.0	36.4	1.1	40.7	122.0	150.0	81.3	0.0
Мау	11.6	3.6	54.6	1.3	69.4	124.0	150.0	54.6	0.0
June	17.4	6.6	85.2	1.3	109.0	120.0	150.0	11.0	0.0
July	20.0	8.1	99.2	1.3	129.0	65.0	86.0	0.0	0.0
August	18.8	7.4	92.7	1.2	111.2	74.0	48.8	0.0	0.0
September	17.2	6.5	84.1	1.0	87.5	57.0	18.3	0.0	0.0
October	12.2	3.8	57.7	1.0	54.8	77.0	40.5	0.0	0.0
November	2.0	0.3	8.0	0.8	6.5	81.0	115.0	0.0	0.0
December	-6.8	0.0	0.0	0.8	0.0	88.0	150.0	53.0	0.0
Total	7.9	38.2			608.1	1115.0		490.2	0.0
				Ne	et Water Surplus	490.2	mm		

Table D-17a: 2018 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-7.8	0.0	0.0	0.8	0.0	79.4	150.0	79.4	0.0
February	-3.6	0.0	0.0	0.8	0.0	97.0	150.0	97.0	0.0
March	-1.9	0.0	0.0	1.0	0.0	46.8	150.0	46.8	0.0
April	1.5	0.2	5.4	1.1	6.0	132.8	150.0	126.8	0.0
Мау	15.9	5.7	76.1	1.3	96.6	68.2	121.6	0.0	0.0
June	18.1	7.0	88.0	1.3	112.6	43.8	52.7	0.0	0.0
July	21.9	9.3	109.0	1.3	141.7	64.2	0.0	0.0	24.8
August	21.7	9.2	107.9	1.2	129.4	107.0	0.0	0.0	22.4
September	17.6	6.7	85.3	1.0	88.7	20.8	0.0	0.0	67.9
October	8.0	2.0	35.2	1.0	33.4	130.1	96.7	0.0	0.0
November	0.1	0.0	0.3	0.8	0.2	102.8	150.0	49.3	0.0
December	-2.3	0.0	0.0	0.8	0.0	97.8	150.0	97.8	0.0
Total	7.4	40.1			608.8	990.7		497.0	115.1
				Ne	et Water Surplus	381.9	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-18a: 2019 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-9.0	0.0	0.0	0.8	0.0	66.2	150.0	66.2	0.0
February	-6.1	0.0	0.0	0.8	0.0	88.2	150.0	88.2	0.0
March	-3.0	0.0	0.0	1.0	0.0	63.2	150.0	63.2	0.0
April	4.8	0.9	22.1	1.1	24.8	100.0	150.0	75.2	0.0
Мау	10.9	3.2	52.7	1.3	66.9	86.6	150.0	19.7	0.0
June	16.5	6.1	81.7	1.3	104.6	75.0	120.4	0.0	0.0
July	22.0	9.4	110.9	1.3	144.1	49.6	25.9	0.0	0.0
August	19.3	7.7	96.5	1.2	115.8	54.0	0.0	0.0	36.0
September	16.0	5.8	79.1	1.0	82.3	75.4	0.0	0.0	6.9
October	9.6	2.7	46.1	1.0	43.8	137.0	93.2	0.0	0.0
November	-0.5	0.0	0.0	0.8	0.0	46.0	139.2	0.0	0.0
December	-2.8	0.0	0.0	0.8	0.0	107.6	150.0	96.8	0.0
Total	6.5	35.8			582.3	948.8		409.3	42.8
				Ne	et Water Surplus	366.5	mm		

Table D-19a: 2020 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-3.8	0.0	0.0	0.8	0.0	108.4	150.0	108.4	0.0
February	-5.1	0.0	0.0	0.8	0.0	80.2	150.0	80.2	0.0
March	1.5	0.2	5.6	1.0	5.8	48.0	150.0	42.2	0.0
April	4.7	0.9	19.9	1.1	22.3	48.8	150.0	26.5	0.0
May	11.4	3.5	53.1	1.3	67.4	109.4	150.0	42.0	0.0
June	18.5	7.2	90.7	1.3	116.1	56.0	89.9	0.0	0.0
July	23.0	10.0	115.4	1.3	150.0	50.8	0.0	0.0	9.3
August	20.4	8.4	101.1	1.2	121.3	219.6	98.3	0.0	0.0
September	15.4	5.5	74.0	1.0	77.0	66.4	87.7	0.0	0.0
October	8.3	2.1	37.3	1.0	35.5	61.6	113.9	0.0	0.0
November	5.9	1.3	25.6	0.8	20.7	69.0	150.0	12.1	0.0
December	-2.0	0.0	0.0	0.8	0.0	106.6	150.0	106.6	0.0
Total	8.2	39.0			616.0	1024.8		418.1	9.3
				No	et Water Surplus	408.8	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-20a: 2021 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	wнс	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-4.8	0.0	0.0	0.8	0.0	49.8	150.0	49.8	0.0
February	-7.0	0.0	0.0	0.8	0.0	40.6	150.0	40.6	0.0
March	1.5	0.2	4.9	1.0	5.0	35.2	150.0	30.2	0.0
April	7.1	1.7	30.0	1.1	33.6	62.8	150.0	29.2	0.0
Мау	12.4	3.9	56.6	1.3	71.9	27.8	105.9	0.0	0.0
June	20.1	8.2	98.5	1.3	126.0	108.6	88.5	0.0	0.0
July	19.6	7.9	95.4	1.3	124.0	204.0	150.0	18.4	0.0
August	21.9	9.3	108.3	1.2	129.9	21.2	41.3	0.0	0.0
September	16.2	5.9	76.7	1.0	79.8	152.6	114.1	0.0	0.0
October	13.1	4.3	60.0	1.0	57.0	66.0	123.1	0.0	0.0
November	2.7	0.4	9.7	0.8	7.8	74.6	150.0	39.9	0.0
December	-0.2	0.0	0.0	0.8	0.0	83.8	150.0	83.8	0.0
Total	8.5	41.7			635.1	927.0		291.9	0.0
			·	Ne	et Water Surplus	291.9	mm		

Table D-21a: 2022 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-11.0	0.0	0.0	0.8	0.0	59.6	150.0	59.6	0.0
February	-7.3	0.0	0.0	0.8	0.0	72.2	150.0	72.2	0.0
March	-0.8	0.0	0.0	1.0	0.0	59.8	150.0	59.8	0.0
April	5.4	1.1	23.4	1.1	26.3	58.4	150.0	32.1	0.0
May	14.4	4.9	69.0	1.3	87.6	42.8	105.2	0.0	0.0
June	17.7	6.7	86.6	1.3	110.8	94.8	89.1	0.0	0.0
July	19.9	8.1	98.5	1.3	128.0	57.8	18.9	0.0	0.0
August	20.5	8.4	101.8	1.2	122.1	118.8	15.6	0.0	0.0
September	16.2	5.9	78.5	1.0	81.7	64.4	0.0	0.0	1.7
October	9.4	2.6	43.1	1.0	41.0	50.8	9.8	0.0	0.0
November	4.4	0.8	18.7	0.8	15.2	86.6	81.3	0.0	0.0
December	-1.5	0.0	0.0	0.8	0.0	81.2	150.0	12.5	0.0
Total	7.3	38.6			612.7	847.2		236.2	1.7
				Ne	et Water Surplus	234.5	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24′N 79°37.8′W/O, 250 masl

Table D-22a: 2023 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-2.8	0.0	0.0	0.8	0.0	70.0	150.0	70.0	0.0
February	-4.2	0.0	0.0	0.8	0.0	65.4	150.0	65.4	0.0
March	-0.6	0.0	0.0	1.0	0.0	80.4	150.0	80.4	0.0
April	7.8	2.0	35.2	1.1	39.4	90.8	150.0	51.4	0.0
Мау	12.0	3.8	56.5	1.3	71.8	48.6	126.8	0.0	0.0
June	18.0	6.9	88.2	1.3	113.0	123.4	137.3	0.0	0.0
July	20.5	8.4	101.8	1.3	132.4	137.4	142.3	0.0	0.0
August	18.7	7.3	92.0	1.2	110.4	76.2	108.1	0.0	0.0
September	16.9	6.3	82.3	1.0	85.6	15.6	38.1	0.0	0.0
October	11.2	3.4	52.4	1.0	49.8	122.5	110.8	0.0	0.0
November	2.6	0.4	10.5	0.8	8.5	63.6	150.0	15.9	0.0
December	1.0	0.1	3.7	0.8	2.9	76.1	150.0	73.2	0.0
Total	8.4	38.5			613.7	970.0		356.3	0.0
				N	et Water Surplus	356.3	mm		

- °C calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the Shanty Bay Climatological Station located at 44°24'N 79°37.8'W/O, 250 masl

Table D-15b: 2016 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-5.7	0.0	0.0	0.8	0.0	62.0	150.0	62.0	0.0
February	-6.2	0.0	0.0	0.8	0.0	67.0	150.0	67.0	0.0
March	-0.6	0.0	0.0	1.0	0.0	170.0	150.0	170.0	0.0
April	4.5	0.9	20.3	1.1	22.7	24.0	150.0	1.3	0.0
Мау	12.2	3.8	58.9	1.3	74.8	40.0	115.2	0.0	0.0
June	16.5	6.1	81.4	1.3	104.1	42.0	53.0	0.0	0.0
July	19.9	8.1	99.4	1.3	129.2	28.0	0.0	0.0	48.2
August	20.7	8.5	103.7	1.2	124.4	28.0	0.0	0.0	96.4
September	16.1	5.8	79.2	1.0	82.4	8.0	0.0	0.0	74.4
October	9.0	2.4	42.6	1.0	40.4	7.0	0.0	0.0	33.4
November	4.4	0.8	19.8	0.8	16.0	54.0	38.0	0.0	0.0
December	-4.9	0.0	0.0	0.8	0.0	25.0	63.0	0.0	0.0
Total	7.2	36.5			594.2	555.0		300.3	252.4
				Ne	et Water Surplus	47.9	mm		

Table D-16b: 2017 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-5.0	0.0	0.0	0.8	0.0	86.0	63.0	86.0	0.0
February	-3.3	0.0	0.0	0.8	0.0	44.0	107.0	0.0	0.0
March	-3.4	0.0	0.0	1.0	0.0	55.0	150.0	12.0	0.0
April	6.1	1.4	31.0	1.1	34.7	134.0	150.0	99.3	0.0
Мау	9.9	2.8	50.4	1.3	64.0	132.0	150.0	68.0	0.0
June	16.0	5.8	81.4	1.3	104.2	131.0	150.0	26.8	0.0
July	18.2	7.0	92.7	1.3	120.5	58.0	87.5	0.0	0.0
August	16.7	6.2	85.0	1.2	102.0	66.0	51.5	0.0	0.0
September	15.8	5.7	80.4	1.0	83.6	88.0	55.9	0.0	0.0
October	10.5	3.1	53.4	1.0	50.7	90.0	95.1	0.0	0.0
November	0.0	0.0	0.1	0.8	0.0	89.0	150.0	34.1	0.0
December	-7.9	0.0	0.0	0.8	0.0	46.0	150.0	46.0	0.0
Total	6.1	31.9			559.8	1019.0		372.2	0.0
				Ne	et Water Surplus	372.2	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the WAI station located at the main quarry, elevation approx. 520 masl

Table D-17b: 2018 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-8.4	0.0	0.0	0.8	0.0	59.5	150.0	59.5	0.0
February	-5.1	0.0	0.0	0.8	0.0	62.8	150.0	62.8	0.0
March	-4.3	0.0	0.0	1.0	0.0	22.5	150.0	22.5	0.0
April	-0.5	0.0	0.0	1.1	0.0	103.7	150.0	103.7	0.0
Мау	14.9	5.2	74.2	1.3	94.2	76.2	132.0	0.0	0.0
June	16.7	6.2	83.5	1.3	106.9	43.6	68.7	0.0	0.0
July	20.3	8.3	102.3	1.3	133.0	44.9	0.0	0.0	19.4
August	19.9	8.1	100.2	1.2	120.3	84.2	0.0	0.0	36.1
September	15.5	5.5	77.3	1.0	80.4	22.4	0.0	0.0	58.0
October	5.9	1.3	28.3	1.0	26.9	104.6	77.7	0.0	0.0
November	-2.0	0.0	0.0	0.8	0.0	66.4	144.1	0.0	0.0
December	-3.5	0.0	0.0	0.8	0.0	65.4	150.0	59.5	0.0
Total	5.8	34.5			561.6	756.2		308.0	113.4
				Ne	et Water Surplus	194.6	mm		

Table D-18b: 2019 Water Budget

Month	Mean Temperature	1	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-10.4	0.0	0.0	0.8	0.0	38.4	150.0	38.4	0.0
February	-8.3	0.0	0.0	0.8	0.0	16.0	150.0	16.0	0.0
March	-5.6	0.0	0.0	1.0	0.0	33.0	150.0	33.0	0.0
April	2.7	0.4	14.3	1.1	16.0	127.9	150.0	111.9	0.0
Мау	9.4	2.6	48.7	1.3	61.9	96.1	150.0	34.2	0.0
June	15.5	5.5	79.7	1.3	102.0	53.9	101.9	0.0	0.0
July	20.4	8.4	104.4	1.3	135.7	24.0	0.0	0.0	9.8
August	17.8	6.8	91.3	1.2	109.5	17.2	0.0	0.0	92.3
September	14.6	5.0	75.1	1.0	78.1	73.7	0.0	0.0	4.4
October	7.8	2.0	40.6	1.0	38.5	89.1	50.6	0.0	0.0
November	-2.4	0.0	0.0	0.8	0.0	62.8	113.4	0.0	0.0
December	-3.9	0.0	0.0	0.8	0.0	28.1	141.5	0.0	0.0
Total	4.8	30.7			541.8	660.2		233.5	106.6
				N	et Water Surplus	127.0	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the WAI station located at the main quarry, elevation approx. 520 masl

Table D-19b: 2020 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-4.8	0.0	0.0	0.8	0.0	50.7	150.0	50.7	0.0
February	-6.6	0.0	0.0	0.8	0.0	34.1	150.0	34.1	0.0
March	-0.4	0.0	0.0	1.0	0.0	82.2	150.0	82.2	0.0
April	2.6	0.4	15.5	1.1	17.3	36.1	150.0	18.8	0.0
Мау	9.7	2.7	53.0	1.3	67.3	78.5	150.0	11.2	0.0
June	17.7	6.7	92.7	1.3	118.7	84.9	116.2	0.0	0.0
July	21.1	8.8	109.0	1.3	141.8	99.9	74.4	0.0	0.0
August *	18.7	7.3	97.5	1.2	117.0	47.7	5.1	0.0	0.0
September *	0.0	0.0	0.1	1.0	0.1	0.0	5.0	0.0	0.0
October *	5.4	1.1	30.6	1.0	29.1	61.3	37.2	0.0	0.0
November *	1.3	0.1	8.3	0.8	6.7	7.2	37.7	0.0	0.0
December *	-3.5	0.0	0.0	0.8	0.0	6.7	44.4	0.0	0.0
Total	5.1	27.2			498.0	589.3		197.0	0.0
				Ne	et Water Surplus	197.0	mm		

Table D-20b: 2021 Water Budget

Month	Mean Temperature	ı	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-5.7	0.0	0.0	0.8	0.0	2.0	150.0	2.0	0.0
February	-8.4	0.0	0.0	0.8	0.0	20.7	150.0	20.7	0.0
March	0.1	0.0	0.7	1.0	0.8	41.1	150.0	40.3	0.0
April	5.4	1.1	27.5	1.1	30.7	51.7	150.0	21.0	0.0
Мау	11.3	3.4	57.6	1.3	73.2	30.8	107.6	0.0	0.0
June	19.4	7.7	98.7	1.3	126.4	78.3	59.5	0.0	0.0
July	14.2	4.9	72.4	1.3	94.1	134.9	100.3	0.0	0.0
August	18.2	7.0	92.4	1.2	110.9	60.5	49.9	0.0	0.0
September	14.2	4.8	72.1	1.0	75.0	192.4	150.0	17.3	0.0
October	10.3	3.0	52.3	1.0	49.7	82.1	150.0	32.4	0.0
November	-1.8	0.0	0.0	0.8	0.0	47.9	150.0	47.9	0.0
December	-1.8	0.0	0.0	0.8	0.0	65.9	150.0	65.9	0.0
Total	6.3	32.0			560.8	808.3		247.5	0.0
				Ne	et Water Surplus	247.5	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the WAI station located at the main quarry, elevation approx. 520 masl
- $\,^*$ 2020 data not available from Aug 21 to Oct 8 and Nov 4 to Dec 17

Table D-21b: 2022 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-10.8	0.0	0.0	0.8	0.0	1.5	150.0	1.5	0.0
February	-7.6	0.0	0.0	0.8	0.0	38.9	150.0	38.9	0.0
March	-2.0	0.0	0.0	1.0	0.0	50.2	150.0	50.2	0.0
April	3.7	0.6	17.5	1.1	19.6	46.8	150.0	27.2	0.0
Мау	14.2	4.8	70.3	1.3	89.3	38.0	98.7	0.0	0.0
June	16.7	6.2	83.6	1.3	107.0	83.2	75.0	0.0	0.0
July	19.0	7.5	95.3	1.3	123.9	40.3	0.0	0.0	8.7
August	19.2	7.6	96.3	1.2	115.6	79.2	0.0	0.0	36.4
September	14.8	5.2	73.6	1.0	76.5	77.9	1.4	0.0	0.0
October	8.8	2.3	42.5	1.0	40.4	37.5	0.0	0.0	1.5
November	3.2	0.5	14.9	0.8	12.1	47.4	35.3	0.0	0.0
December	-3.2	0.0	0.0	0.8	0.0	36.5	71.8	0.0	0.0
Total	6.3	34.8			584.3	577.4		117.8	46.6
				Ne	et Water Surplus	71.3	mm		

Table D-22b: 2023 Water Budget

Month	Mean Temperature	I	E	Daylight Factor	E Adj.	Total Precipitation	WHC	Surplus	Deficit
	°C		mm		mm	mm	mm	mm	mm
January	-3.6	0.0	0.0	0.8	0.0	30.1	150.0	30.1	0.0
February	-5.0	0.0	0.0	0.8	0.0	33.3	150.0	33.3	0.0
March	-2.3	0.0	0.0	1.0	0.0	52.2	150.0	52.2	0.0
April	6.4	1.4	31.3	1.1	35.0	101.9	150.0	66.9	0.0
Мау	11.7	3.6	58.3	1.3	74.1	50.3	126.2	0.0	0.0
June	17.0	6.3	85.5	1.3	109.4	157.1	150.0	23.9	0.0
July	19.1	7.6	96.4	1.3	125.3	139.9	150.0	14.6	0.0
August	16.9	6.3	85.0	1.2	102.0	99.0	147.0	0.0	0.0
September	15.6	5.6	78.4	1.0	81.5	34.0	99.5	0.0	0.0
October	9.7	2.7	48.1	1.0	45.7	76.0	129.8	0.0	0.0
November	0.8	0.1	3.9	0.8	3.1	78.4	150.0	55.0	0.0
December	-0.2	0.0	0.0	0.8	0.0	53.7	150.0	53.7	0.0
Total	7.2	33.6			576.3	905.9		329.6	0.0
				No	et Water Surplus	329.6	mm		

- $\bullet\,\,^{\circ}\text{C}\,\,$ calculated mean of daily temperatures for the month, in degrees Celcius
- I denotes Heat Index
- E denotes Evapotranspiration
- WHC denotes Water Holding Capacity

- $\bullet\,$ A value of 150 mm was used for the water holding capacity of the soils
- Temperature and precipitation data from the WAI station located at the main quarry, elevation approx. 520 masl