APPENDIX 5 WATER BALANCE AND WATER QUALITY MODELING TABULAR DATA AND FIGURES

Appendix 5: Operational Water Balance and Water Quality Model Results

- Figures 1 and 2 present the comparisons between the observed and forecasted pond volume for CP1, TIRI02, and WES02.
- Figures 3 to 15 present the comparisons between the observed and forecasted concentrations of all Licence water quality parameters in CP1, TIRI02, and WES02.
- Table 1 presents the catchment area by facilities of the Water Licence Amendment.
- Table 2 presents the forecasted inflow and outflow volume results for CP1, CP2, CP3, CP4, CP5, CP6, SP1, TIRI01, TIRI02, and WES02.
- Table 3 presents the forecasted and observed annual concentration changes of all Licence water quality parameters at MEL-14, between 2020 and 2025.
- Table 4 presents the observed and forecasted TDS, Ammonia, and Radium concentrations in saline storage ponds TIRI02 and WES02.

Appendix 5: Figures.

Water Balance

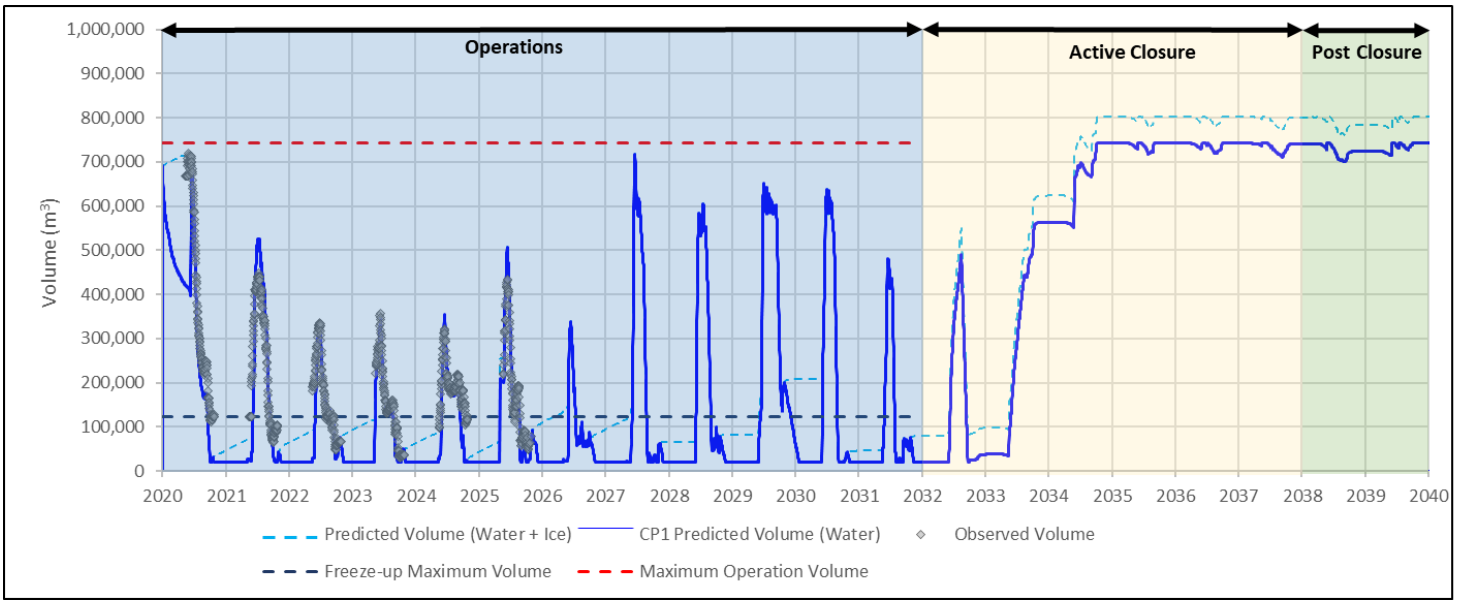

Figure 1: CP1 Observed and Forecasted Pond Volume.

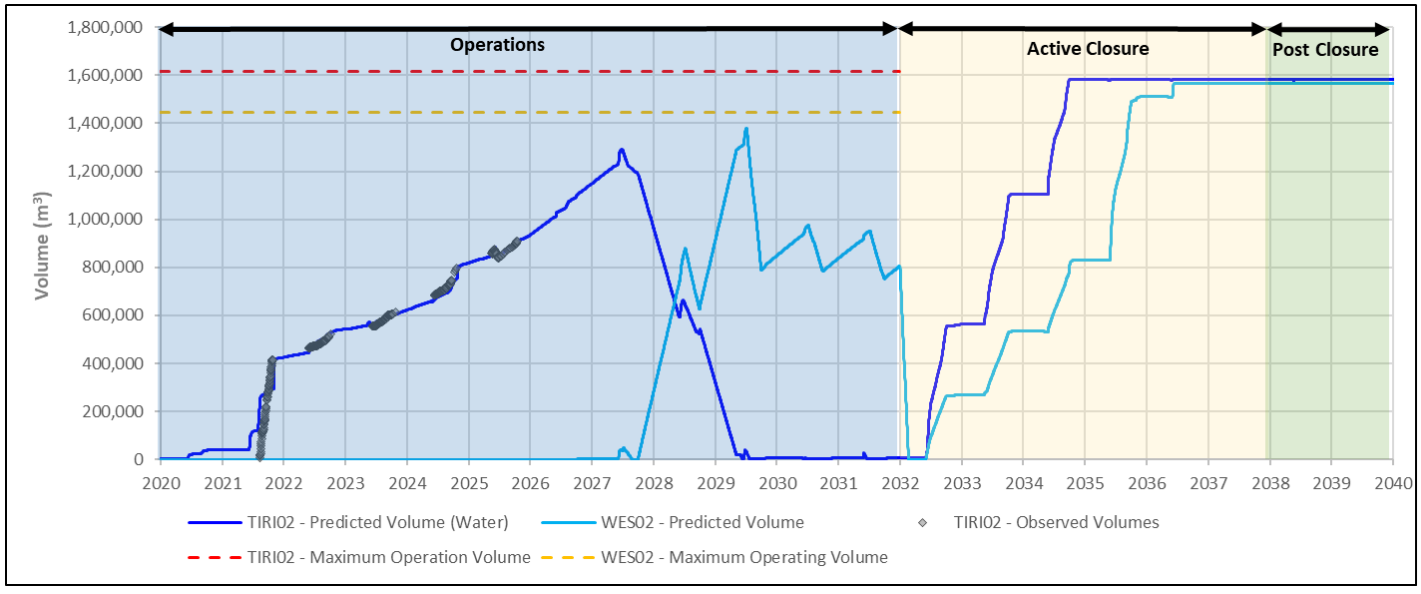

Figure 2: TIRI02 and WES02 Observed and Forecasted Pond Volume

Water Quality

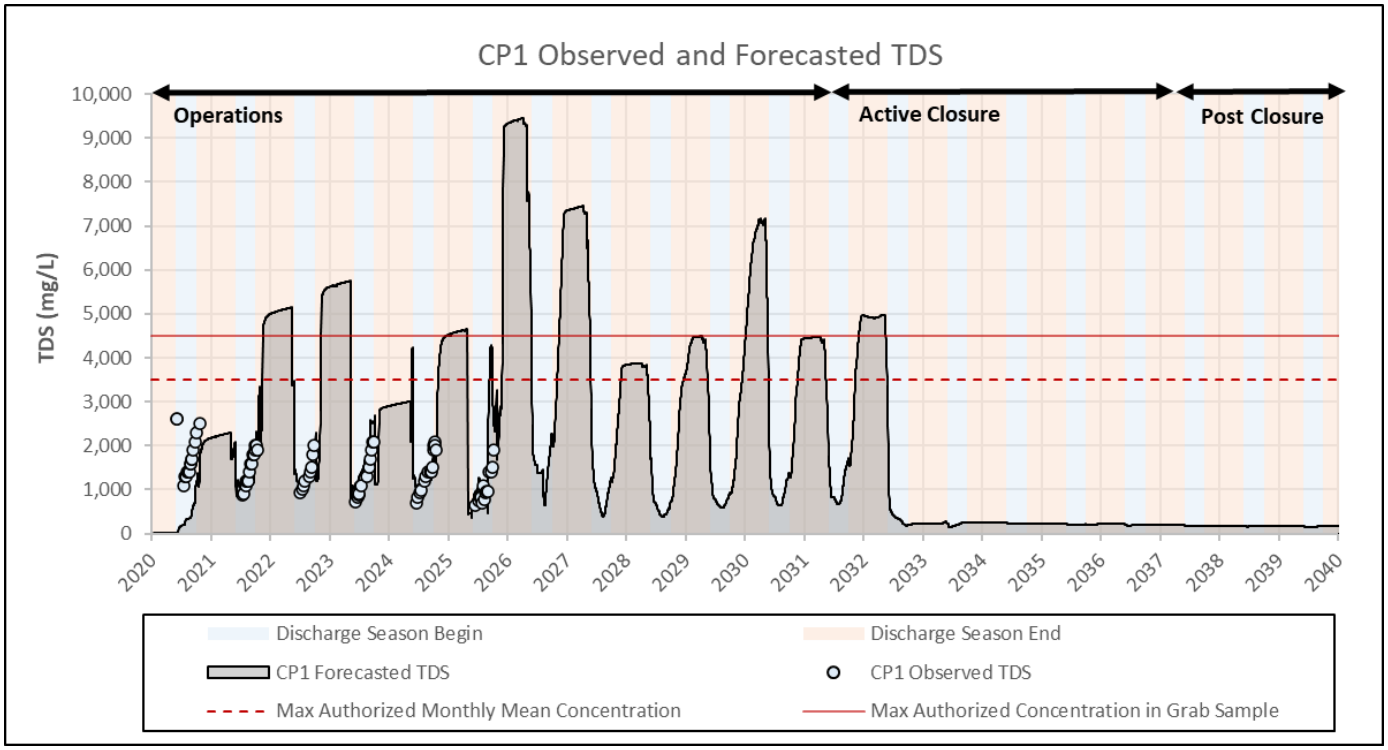

Figure 3: CP1 Observed and Forecasted TDS Concentrations

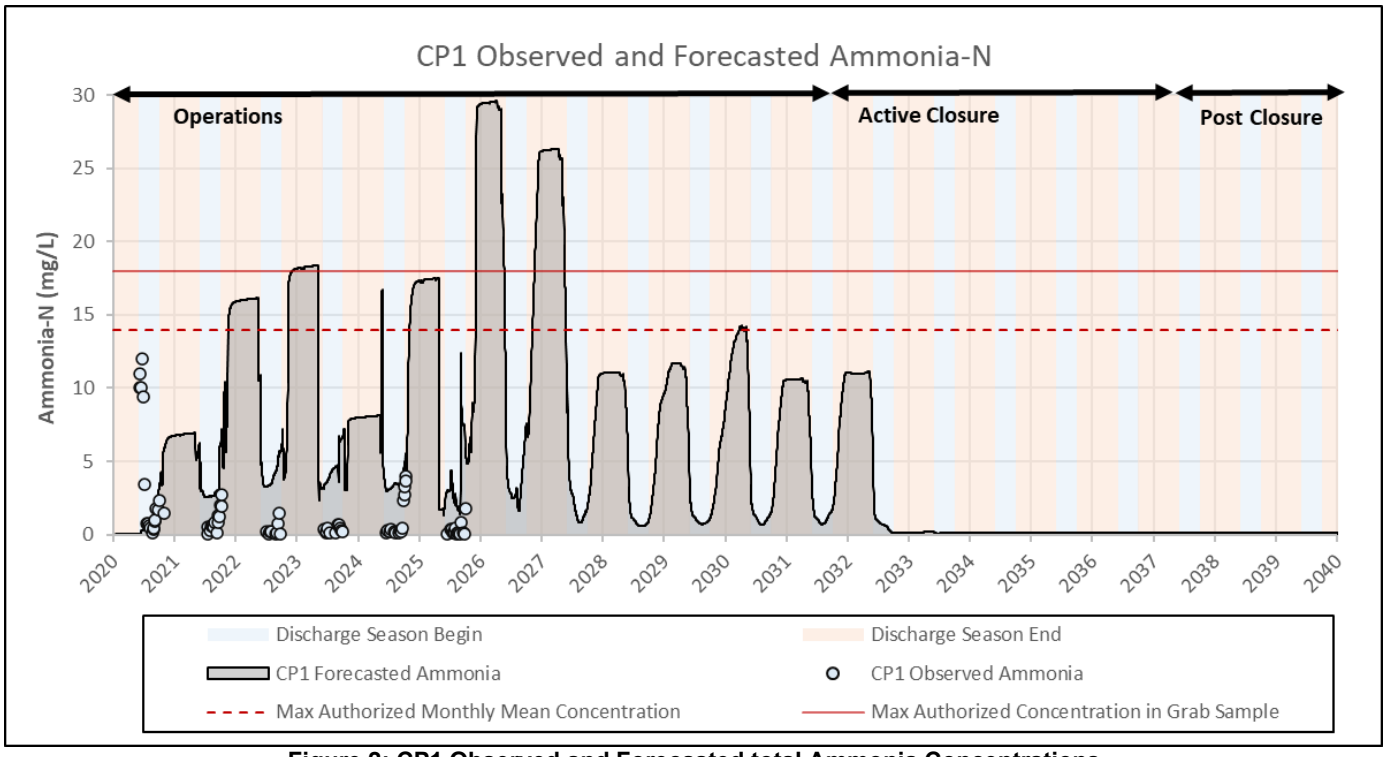

Figure 2: CP1 Observed and Forecasted total Ammonia Concentrations

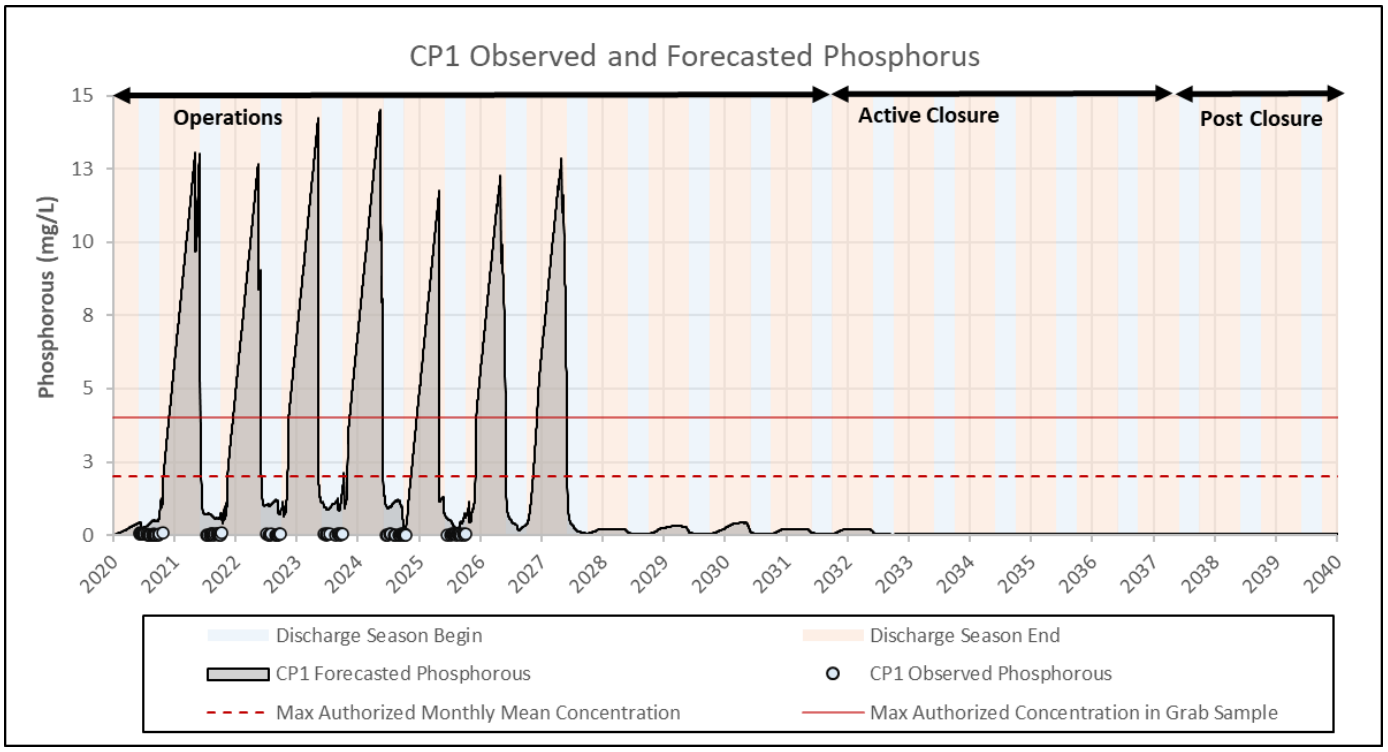

Figure 5: CP1 Observed and Forecasted Phosphorous Concentrations

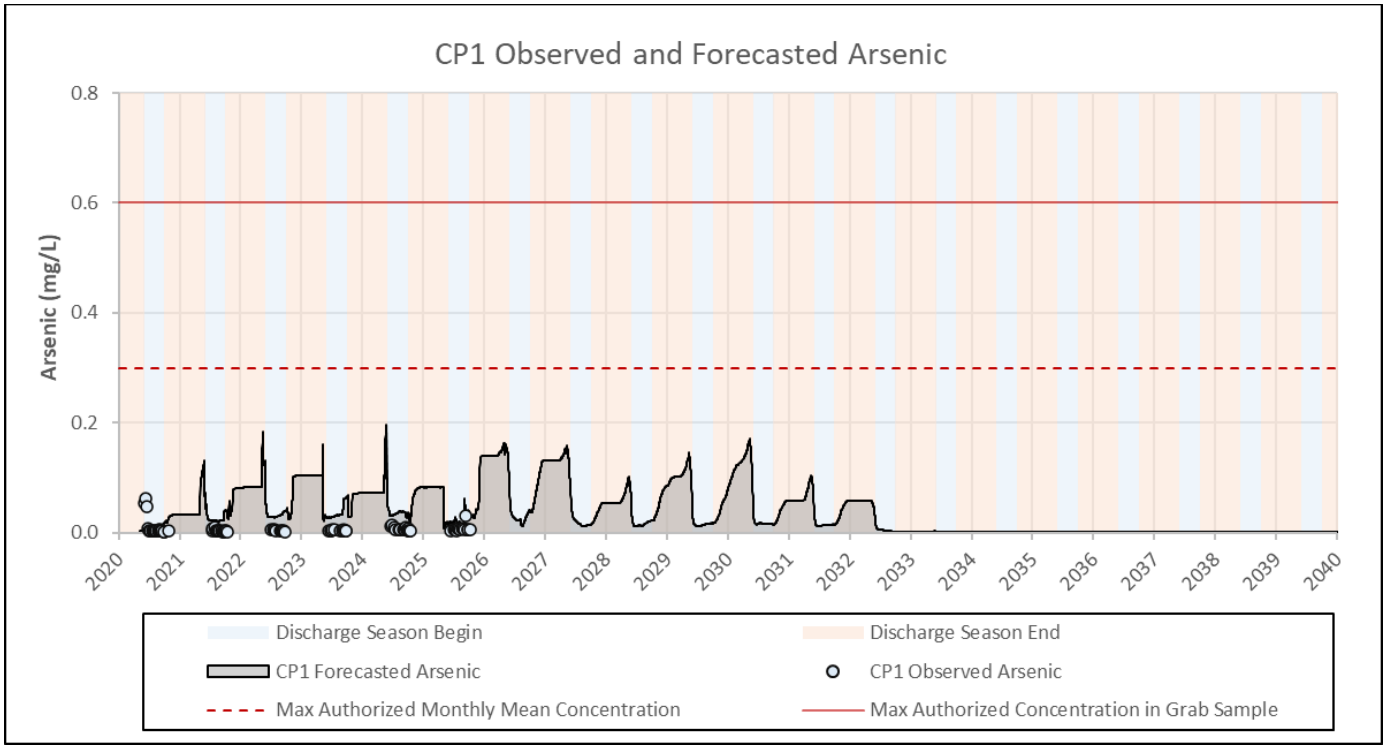

Figure 6: CP1 Observed and Forecasted Arsenic Concentrations

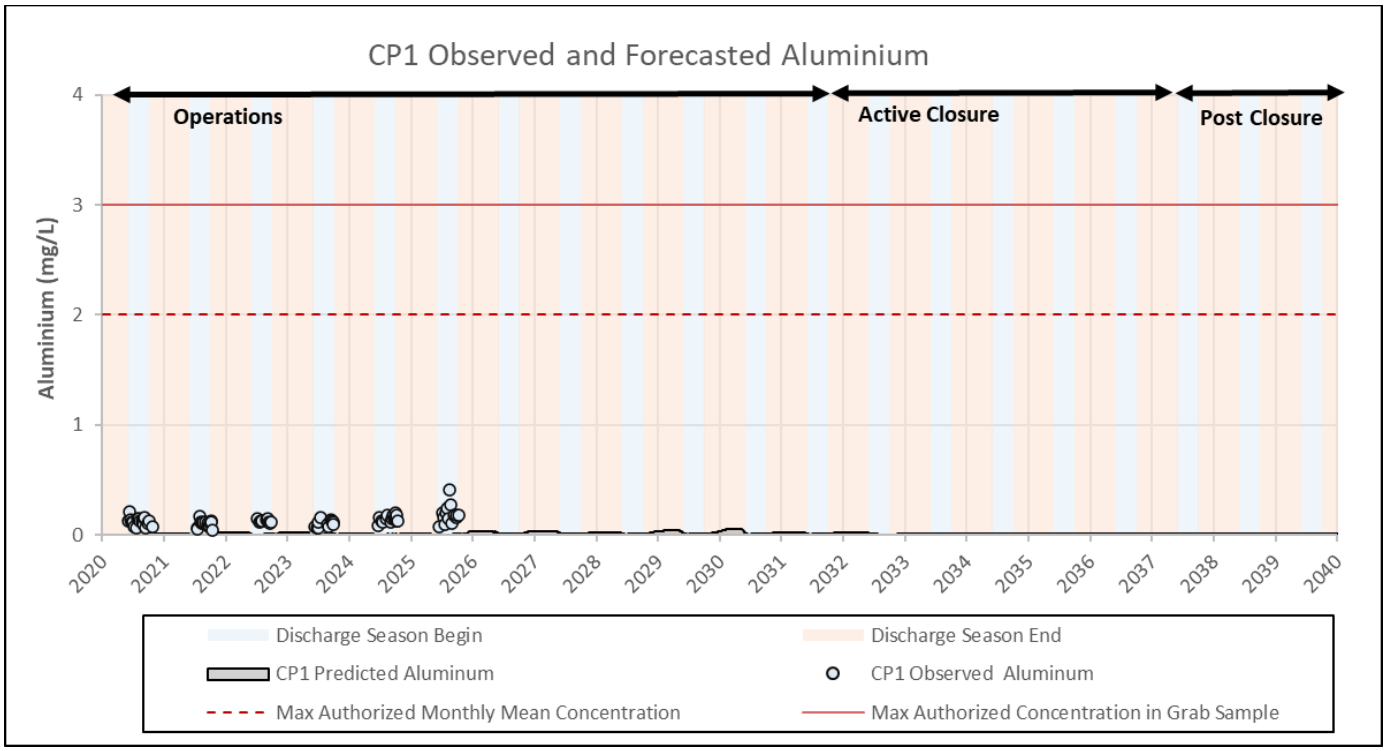

Figure 7: CP1 Observed and Forecasted Aluminum Concentrations

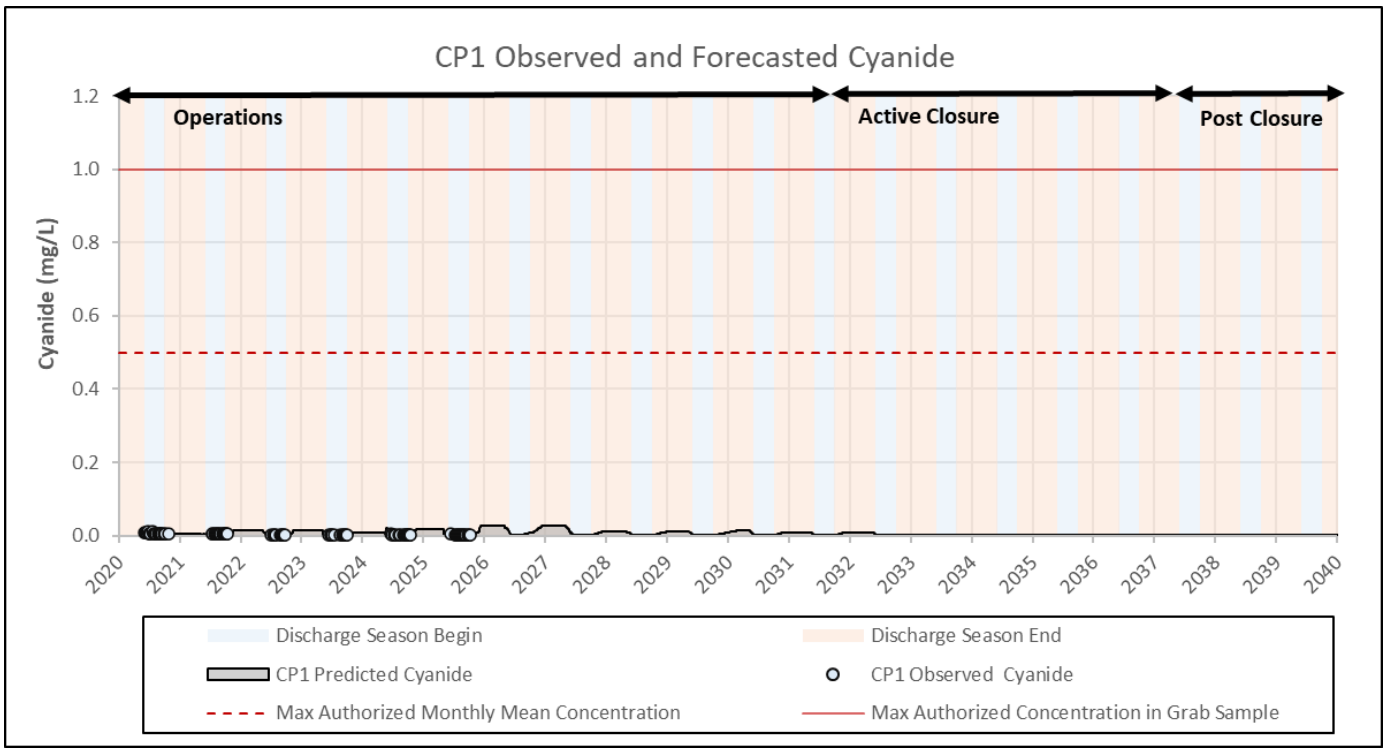

Figure 8: CP1 Observed and Forecasted Cyanide Concentrations

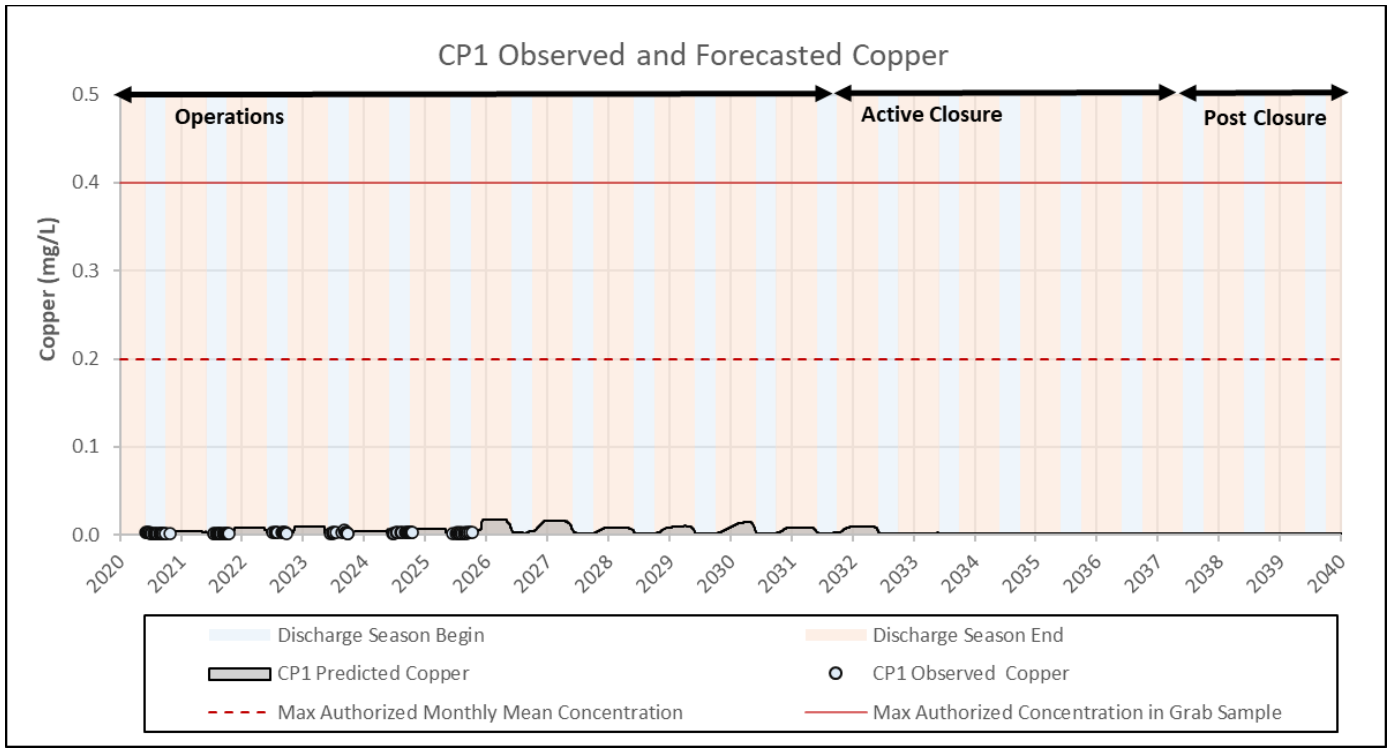

Figure 9: CP1 Observed and Forecasted Copper Concentrations

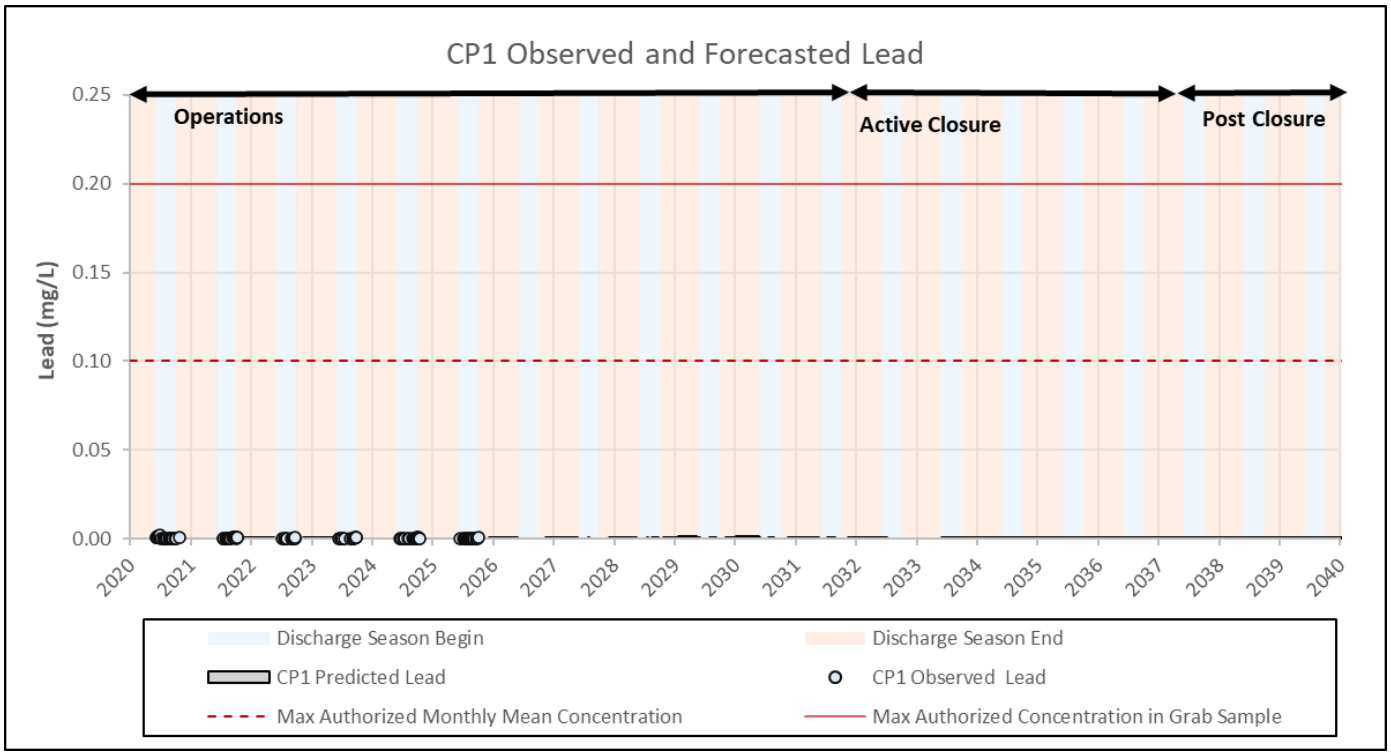

Figure 10: CP1 Observed and Forecasted Lead Concentrations

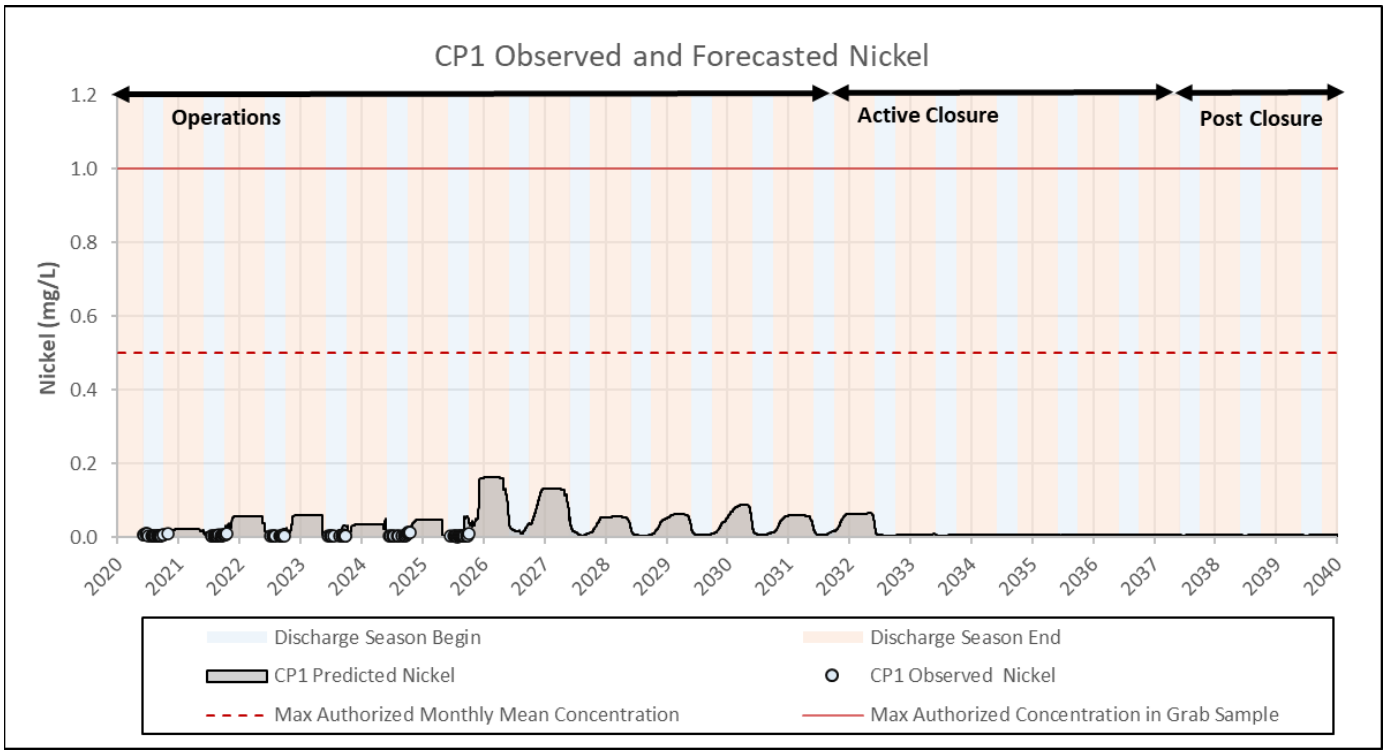

Figure 11: CP1 Observed and Forecasted Nickel Concentrations

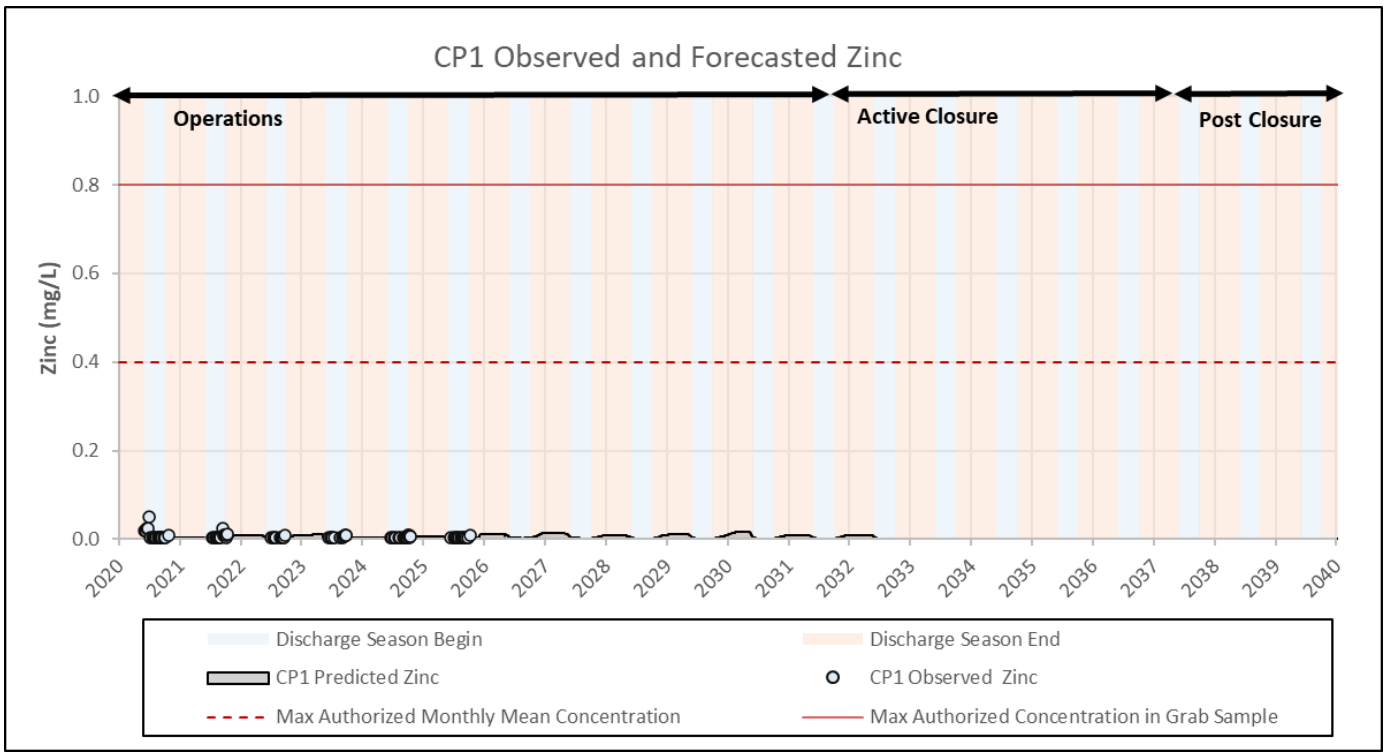

Figure 12: CP1 Observed and Forecasted Zinc Concentrations

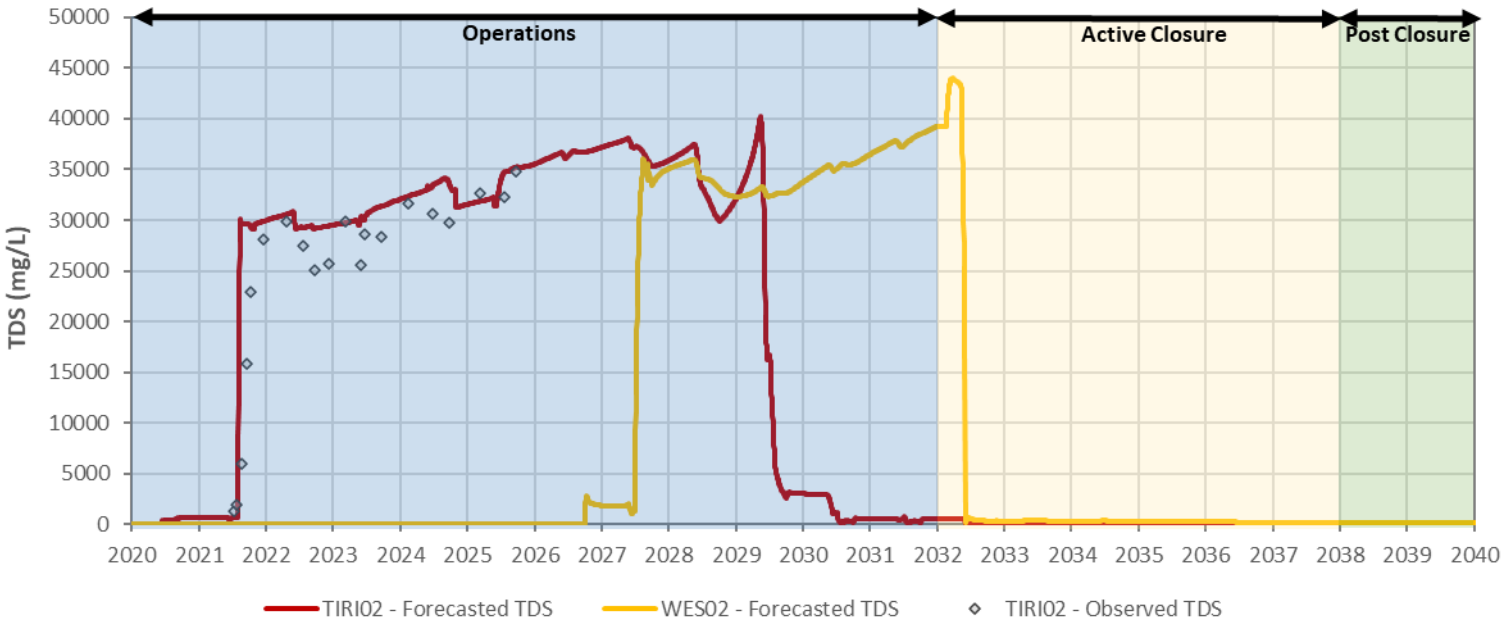

Figure 13: TIRI02 and WES02 Observed and Forecasted TDS Concentrations

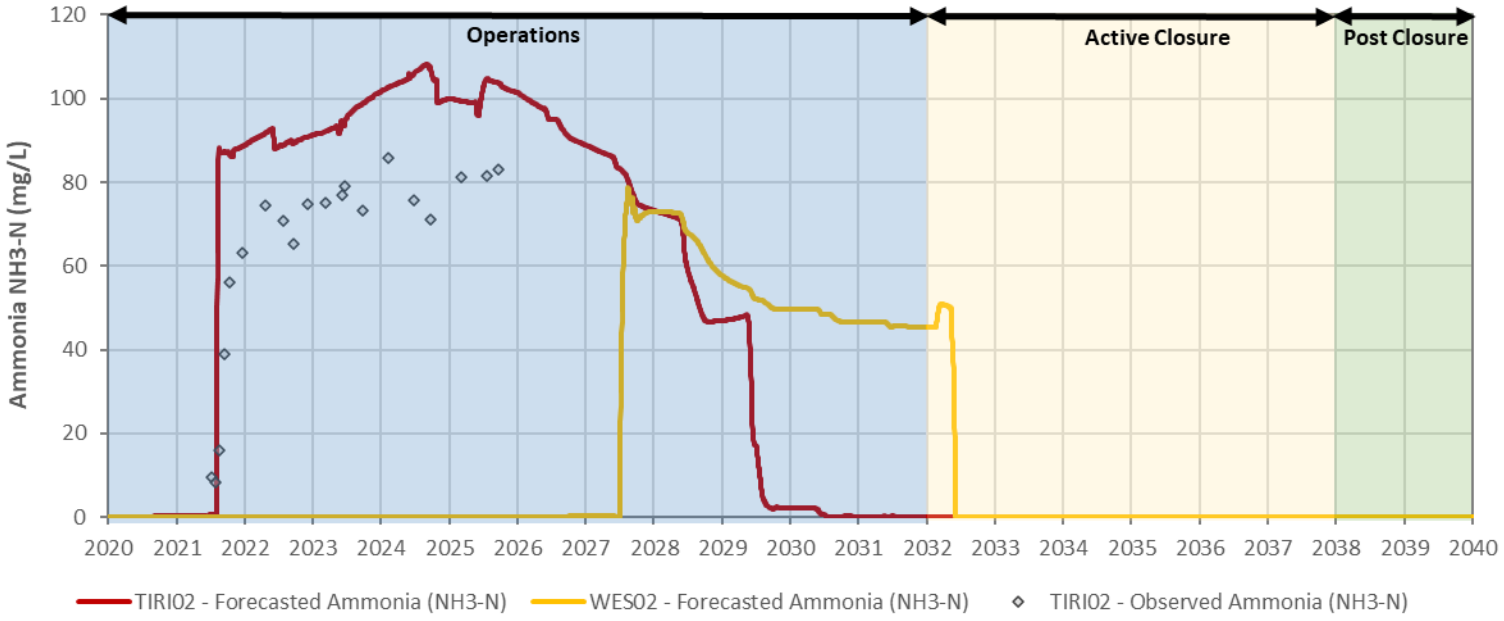

Figure 14: TIRI02 and WES02 Observed and Forecasted Ammonia Concentrations

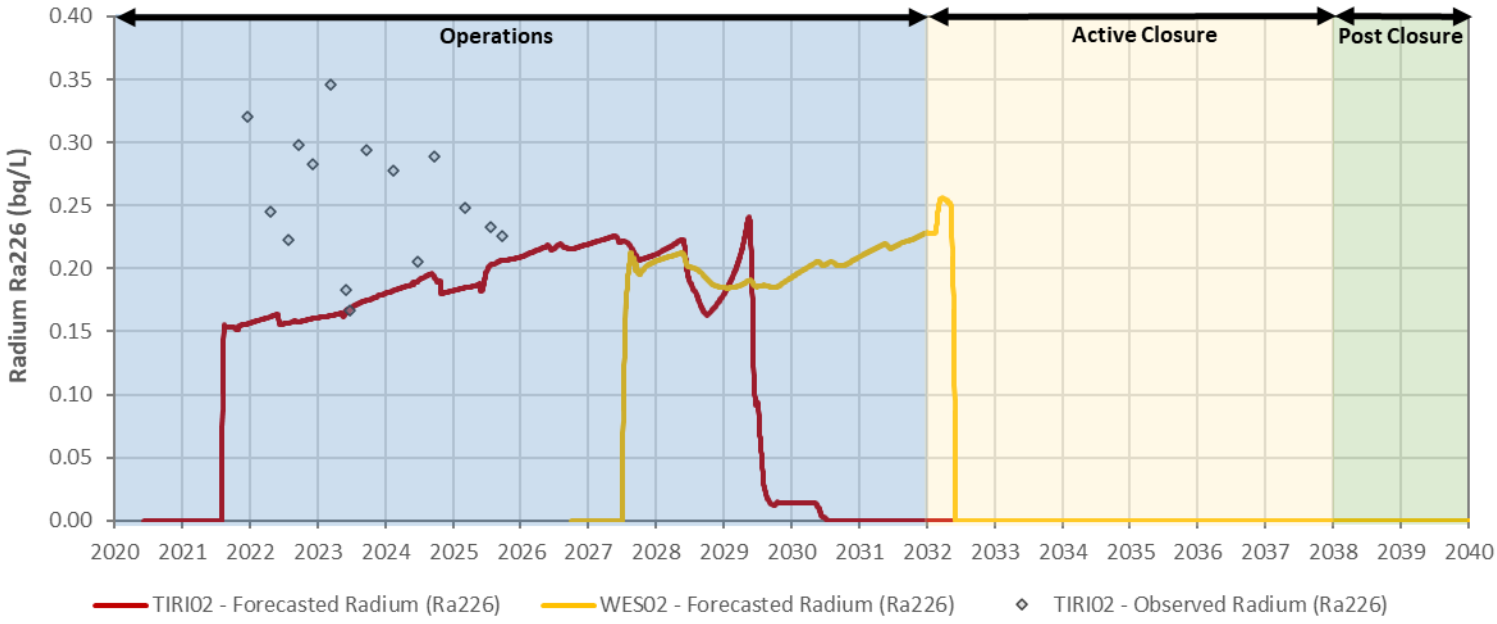

Figure 15: TIRI02 and WES02 Observed and Forecasted Radium Concentrations

Table 1 Catchment area by facility (2019 to 2025)

Facility / Footprints (ha)	Runoff Types	Source Term	2019	2020	2021	2022	2023 - 2024	2025
CP1-Facilities-1,2 and 3	Hard Surface	Mine Facilities	43	43	45.9	32	32	32
CP1-Landfill	Hard Surface	Mine Facilities	-	-	-	1.7	1.7	1.7
CP1-Laydown	Hard Surface	Mine Facilities	-	-	-	7.6	7.6	7.6
CP1-Natural (direct to CP1)	Natural	Baseline	6.7	6.7	6.7	6.7	6.7	6.7
CP1-Natural (to channel 1)	Disturbed	Disturbed	55.5	52.5	46.9	37.7	28.6	28.6
CP1-OP2	Waste Rock	Ore Stockpile	11	11	11	11	11	11
CP1-OP2-Ext	Waste Rock	Ore Stockpile	-	-	-	8.4	8.4	8.4
CP1-TSF	Tailings	TSF	8.7	9.4	9.8	9.8	12.7	12.7
CP1 - Collection Pond 1	Open Water	Precipitation	30.1	30.1	30.1	30.1	30.1	30.1
CP1-WRSF1	Waste Rock	WRSF1	2.8	4.7	10.6	10.6	10.6	10.6
CP1-Tem OVB	Disturbed	Disturbed	-	-	-	1.8	1.8	1.8
D-CP1	Disturbed	Disturbed	-	-	2.9	2.9	2.9	2.9
CP2-Natural	Natural	Baseline	-	-	-	7.6	7.6	7.6
CP2-Water	Open Water	Precipitation	-	-	-	2.6	2.6	2.6
CP2-WRSF3-EXT	Waste Rock	WRSF3	-	-	-	23.8	23.8	23.8
CP3-Disturbed	Disturbed	Disturbed	1.9	0	0	0	0	0
CP3-Berm	Hard Surface	Mine Facilities	1.4	1.4	1.4	1.4	1.4	1.4
CP3-Natural	Disturbed	Disturbed	20.9	18.6	17.3	17.3	9.2	9.2
CP3-TSF	Tailings	TSF	8.5	12.6	13.9	13.9	22	22
CP3 - Collection Pond 3	Open Water	Precipitation	1.7	1.7	1.7	1.7	1.7	1.7
CP4-Berm	Hard Surface	Mine Facilities	3	3	3	3	3	3
CP4-Natural	Disturbed	Disturbed	30.5	25.9	11.3	11.3	11.3	11.3
CP4-Collection Pond 4	Open Water	Precipitation	1.2	1.2	1.2	1.2	1.2	1.2
CP4-WRSF1	Waste Rock	WRSF1	3.5	8.6	17.3	17.3	17.3	17.3
CP5-Disturbed	Disturbed	Disturbed	22.2	21.5	20.6	20.6	20.6	20.6
CP5-Facilities	Hard Surface	Mine Facilities	20.6	18.4	18.1	18.1	18.1	18.1
CP5-Saline Ponds (water to Melvin Bay)	Open Water	Precipitation	1.9	1.9	1.9	1.9	1.9	1.9
CP5-Collection Pond 5	Open Water	Precipitation	5.1	5.1	5.1	5.1	5.1	5.1
CP5-WRSF1	Waste Rock	WRSF1	0.6	3.5	3.8	3.8	3.8	3.8
CP6-Berm	Hard Surface	Mine Facilities	0	2.8	2.8	3.9	3.9	3.9
CP6-Natural	Natural	Baseline	30.5	17.6	15.1	6.3	6.3	6.3
CP6-Collection Pond 6	Open Water	Precipitation	2.8	2.6	2.6	2.6	2.6	2.6
CP6-WRSF3	Waste Rock	WRSF3	0	21.7	24	33	33	33
CP6-Disturbed	Disturbed	Disturbed	9.4	0	0	0	0	0
TIR01 Open Pit	Pit Wall	Tiri01 Pit Wall	-	-	13.6	13.6	26.6	26.6
TIR01-Natural	Disturbed	Disturbed	-	-	6.6	6.6	5	5
TIR01-SP4 Saline Storage	Open Water	Precipitation	-	-	5.4	5.4	0	0
TIR02 Open Pit	Pit Wall	Tiri 02 Pit Wall	-	-	8.3	8.3	8.3	8.3
TIR02-Natural	Disturbed	Disturbed	-	-	6.7	6.7	6.7	6.7
TIR02-Stockpiles	Waste Rock	WRSF3	-	-	5.4	0	0	0
J6-Sump-WR	Disturbed	Disturbed	-	-	3.9	0	0	0
PUMP1 Open Pit	Pit Wall	Pump 01 Pit Wa	-	-	-	-	-	3.6
PUMP1-Natural	Disturbed	Disturbed	-	-	-	-	-	44
Lake B37 -Dewatered	Natural	Baseline	-	-	-	-	-	0.9

Table 1 Catchment area by facility (2019 to 2025)

Facility / Footprints (ha)	Runoff Types	Source Term	2019	2020	2021	2022	2023 - 2024	2025
Pump1-WRSF6	Waste Rock	WRSF6	-	-	-	-	-	6
PUMP1-OREPAD	Waste Rock	Ore Stockpile	-	-	-	-	-	1.6
PUMP1-Laydown	Disturbed	Disturbed	-	-	-	-	-	2
PUMP2 Open Pit	Pit Wall	Pump 02 Pit Wa	-	-	-	-	-	2.1
PUMP2-Natural	Disturbed	Disturbed	-	-	-	-	-	6.1
B38-Natural	Natural	Baseline	-	-	-	-	-	15
Lake B38-Dewatered	Natural	Baseline	-	-	-	-	-	2.7
A8-West-Northberm-Natural	Natural	Baseline	-	-	-	-	-	35
A8-West-Northberm-Natural-Dewatered	Natural	Baseline	-	-	-	-	-	24.2
A8-West-Betweenberms-Natural	Natural	Baseline	-	-	-	-	-	19.7
A8-West-South-Natural	Natural	Baseline	-	-	-	-	-	15.2
PUMP_SaltBerm-Natural	Natural	Baseline	-	-	-	-	-	1.8
PUMP_SaltBerm-SALWRSF	Waste Rock	Saline WRSF	-	-	-	-	-	4
SUMPP1-WRSF6	Open Water	Precipitation	-	-	-	-	-	6.8
SUMPP2-WRSF6	Open Water	Precipitation	-	-	-	-	-	1.1
B4-North-WRSF6	Waste Rock	WRSF6	-	-	-	-	-	0.5

Table 1 Catchment area by facility (2026 to Post Closure)

Facility / Footprints (ha)	Runoff Types	Source Term	2026	2027	2028	2029	2030	2031	2032-2038	2040+
WRSF1	Waste Rock	WRSF1	30.7	30.8	41.9	42.8	53.8	53.8	53.8	53.8
WRSF2	Waste Rock	WRSF2	-	-	-	-	-	-	-	-
WRSF3	Waste Rock	WRSF3	52.6	52.6	71.4	96.4	96.4	96.4	96.4	96.4
WRSF5	Waste Rock	WRSF5	25.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3
CP1-Facilities	Hard Surface	Mine Facilities	105.1	105.2	110.5	110.5	110.5	110.5	110.5	109.5
CP1-Water	Open Water	Precipitation	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
CP2-Natural	Natural	Baseline	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
CP2-US-WRSF3	Waste Rock	WRSF2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	38.9
CP2-Disturbed	Disturbed	Disturbed	37.8	37.8	21.6	-	-	-	-	-
CP3-Water	Open Water	Precipitation	1.6	-	-	-	-	-	-	-
CP3-Natural	Natural	Baseline	10.3	-	-	-	-	-	-	-
CP5-Water	Open Water	Precipitation	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
CP5-Facilities	Hard Surface	Mine Facilities	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
CP6-Natural	Natural	Baseline	17.1	17.1	17.1	17.1	17.1	17.1	17.1	16.9
CP8-Natural	Natural	Baseline	209.3	209.3	208.3	207.1	207.1	207.1	207.1	207.1
CP8-Disturbed	Disturbed	Disturbed	13.6	-	-	-	-	-	-	-
B5-Natural	Natural	Baseline	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
B5-Disturbed	Disturbed	Disturbed	7.7	7.1	-	-	-	-	-	-
B5-South-Natural	Natural	Baseline	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
B6-Natural	Natural	Baseline	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
US-WRSF1	Waste Rock	WRSF1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
SP6-Natural	Natural	Baseline	176.5	176.3	154.7	154.7	154.7	154.7	154.7	111.7
SP6-Disturbed	Disturbed	Disturbed	23.2	23.1	11.9	11	-	-	-	-
TSF	Tailings	TSF	37.5	65.3	65.3	65.3	65.3	65.3	65.3	107.1
SPW-Natural	Natural	Baseline	-	-	-	-	-	6.6	12.7	12.7
SPW-Orepad	Waste Rock	Ore Stockpile	-	-	-	-	-	1.2	2.3	2.3
SP4-Saltpile	Waste Rock	Salt Pile	-	-	-	-	-	-	0.1	2.7
SPW-Saltpile-Natural	Natural	Baseline	-	-	-	-	-	9.6	18.6	18.6
SPW-Saltpile-Disturbed	Disturbed	Disturbed	-	-	-	-	-	1.4	2.5	-
WRSF8	Waste Rock	WRSF8	-	-	-	5.1	38.7	51.7	51.7	51.7
WRSF9	Waste Rock	WRSF9	-	-	-	2.4	22.3	32.9	32.9	32.9
CPD1	Open Water	Precipitation	-	-	-	0.6	0.6	0.6	0.6	0.6
CPD1-Natural	Natural	Baseline	-	-	-	4.9	4.9	4.9	4.9	4.9
CPD1-Disturbed	Disturbed	Disturbed	-	-	-	4.6	13	-	-	-
CPD2	Open Water	Precipitation	-	-	-	-	-	-	-	0.8
CPD2-Natural	Natural	Baseline	-	-	-	-	-	-	-	6.5
CPD2-Disturbed	Disturbed	Disturbed	-	-	-	-	-	-	-	-
DiscPit	Pit Wall	Pit Wall	-	-	-	5.4	28.5	28.5	28.5	28.5
DiscPit-Natural	Natural	Baseline	-	-	-	0.8	4.5	4.5	4.5	4.5
SPD-Facilities	Hard Surface	Mine Facilities	-	-	-	-	2.3	4.9	4.9	4.9
SPD-OrePad	Waste Rock	Ore Stockpile	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
SP3-Saltpile	Waste Rock	Salt Pile	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
WRSF7	Waste Rock	WRSF7	0	0	0	5.8	39.6	49.5	49.5	49.5
CP7-Water	Open Water	Precipitation	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
CP7-Facilities	Hard Surface	Mine Facilities	45.8	45.8	45.8	41.1	20.9	20.9	20.9	20.9

Table 1 Catchment area by facility (2026 to Post Closure)

Facility / Footprints (ha)	Runoff Types	Source Term	2026	2027	2028	2029	2030	2031	2032-2038	2040+
CP7-Disturbed	Disturbed	Disturbed	-	-	-	1.2	3.3	-	-	-
CP7-SP2-Saltpile	Waste Rock	Salt Pile	-	-	-	-	-	-	-	4.8
A22-Natural	Natural	Baseline	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
FZONE1	Pit Wall	Pit Wall	-	-	-	2.9	15.3	15.3	15.3	15.3
FZONE1-Natural	Natural	Baseline	39.5	39.5	35.4	27	14.6	14.6	14.6	14.6
FZONE2	Pit Wall	Pit Wall	-	-	-	1.7	9.2	9.2	9.2	9.2
FZONE2-Natural	Natural	Baseline	-	-	-	0.3	1.8	1.8	1.8	1.8
FZONE2-A19-Natural	Natural	Baseline	18.1	18.1	18.1	16.3	8.6	8.6	8.6	2.9
FZONE2-USA3-Natural	Natural	Baseline	6.1	6.1	6.1	5.5	3	3	3	1.3
FZONE3	Pit Wall	Pit Wall	-	-	-	2.2	11.5	11.5	11.5	11.5
FZONE3-Natural	Natural	Baseline	-	-	-	1.3	7.1	7.1	7.1	7.1
SUMPF1-Natural	Natural	Baseline	-	-	-	2.1	5.9	-	-	-
SUMPF1-Disturbed	Disturbed	Disturbed	-	-	-	1.8	4.9	-	-	-
SUMPF2-Natural	Natural	Baseline	-	-	-	2.5	13	13	12.7	7.8
SUMPF2-Disturbed	Disturbed	Disturbed	-	-	-	0.6	1.7	-	-	-
WRSF6	Waste Rock	WRSF6	-	-	8.3	22.7	37.4	37.4	37.4	37.4
SUMPP1-Natural	Natural	Baseline	-	0.1	7.9	-	-	-	-	-
SUMPP1-Disturbed	Disturbed	Disturbed	-	-	2.6	4.9	-	-	-	-
SUMPP2-Natural	Natural	Baseline	-	-	2.7	-	-	-	-	-
SUMPP2-Disturbed	Disturbed	Disturbed	-	-	2.3	4.4	-	-	-	-
SUMPP4-Saltpile-Disturbed	Disturbed	Disturbed	-	0.1	7.1	5.8	-	-	-	-
SUMPP4-Natural	Natural	Baseline	-	0.1	14.9	14.9	11.5	7.7	7.7	7.7
SUMPP5-Disturbed	Disturbed	Disturbed	-	-	2.8	5.4	-	-	-	-
PUMP1	Pit Wall	Pit Wall	-	-	-	1.6	8.4	8.4	8.4	8.4
PUMP1-Disturbed	Disturbed	Disturbed	7.8	-	-	-	-	-	-	-
PUMP1-Natural	Natural	Baseline	13.3	13.3	20.7	29	22.2	22.2	22.2	22.2
PUMP2	Pit Wall	Pit Wall	-	-	-	1.1	6	6	6	6
PUMP2-Natural	Natural	Baseline	-	-	-	0.8	4.3	4.3	4.3	4.3
PUMP3	Pit Wall	Pit Wall	-	-	3.2	7.5	7.5	7.5	7.5	7.5
PUMP3-Natural	Natural	Baseline	-	-	3.5	7.8	5.6	5.6	5.6	5.6
PUMP4	Pit Wall	Pit Wall	-	-	-	1.6	8.2	9	9.7	9.7
PUMP4-Natural	Natural	Baseline	-	-	-	0.7	3.5	3.5	3.5	3.5
B59-Natural	Natural	Baseline	40.3	40.3	30.7	20.7	20.7	20.7	20.7	20.7
B59-OrePad	Waste Rock	Ore Stockpile	-	-	-	-	-	-	-	-
WN01	Pit Wall	Pit Wall	1.8	23.3	23.3	23.3	23.3	23.3	23.3	23.3
WN01-Natural	Natural	Baseline	1.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5
WN01-Disturbed	Disturbed	Disturbed	3	2.7	-	-	-	-	-	-
A6-Water	Open Water	Precipitation	55.4	55.4	53	49.9	49.9	49.9	49.9	49.9
A6-Natural	Natural	Baseline	238.8	238.8	232.2	221.8	214.3	214.3	214.3	214.3
A6-Disturbed	Disturbed	Disturbed	-	-	-	0.5	1.5	-	-	-
A8-East-Water	Open Water	Precipitation	17	17	17	17	17	17	17	17
A8-East-Natural	Natural	Baseline	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
A8-West-Water	Open Water	Precipitation	54.9	54.9	54.9	54.9	54.9	54.9	54.9	30.7
A8-West-Natural	Natural	Baseline	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
CH22-Disturbed	Disturbed	Disturbed	6.7	-	-	-	-	-	-	-

Table 1 Catchment area by facility (2026 to Post Closure)

Facility / Footprints (ha)	Runoff Types	Source Term	2026	2027	2028	2029	2030	2031	2032-2038	2040+
A8-NorthBerm-Natural	Natural	Baseline	73.2	73.2	73.2	73.2	73.2	73.2	73.2	50
WES01	Pit Wall	Pit Wall	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
WES02	Pit Wall	Pit Wall	-	-	-	6.5	34.1	34.1	34.1	34.1
WES02-Natural	Natural	Baseline	-	-	-	5.6	29.5	29.5	29.5	29.5
WES03	Pit Wall	Pit Wall	-	-	-	-	7.1	15.3	15.3	15.3
WES03-Natural	Natural	Baseline	-	-	-	-	-	-	0.2	4
WES04	Pit Wall	Pit Wall	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
WES04-Natural	Natural	Baseline	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
WES05	Pit Wall	Pit Wall	-	-	-	2.7	14.5	14.5	14.5	14.5
WES05-Natural	Natural	Baseline	-	-	-	3.9	20.5	20.5	20.5	20.5
TIR01	Pit Wall	Pit Wall	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
TIR01-Disturbed	Disturbed	Disturbed	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TIR02	Pit Wall	Pit Wall	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.9
TIR02-Natural	Natural	Baseline	6.8	7	7.3	7.3	7.3	7.3	7.3	7.3

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP1 - Water Balance																							
	Inflow																			Outflow			
	Rain and Snowmelt	CP1 Bank Runoff	A6 to CP1	A8 to CP1	B7 to CP1	J6 to CP1	B34 Sump to CP1	FZO02 to CP1	Channel1 to CP1	CP2 to CP1	CP3 to CP1	CP4 to CP1	CP5 to CP1	CP6 to CP1	CP8 to CP1	WEN01 to CP1	WES02 to CP1	RO to CP1	PUMP01 to CP1	CP1 to EWTP	CP1 to SETP	Surface Evaporation	CP1 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)																							
2020-01	0	0	0	0	0	0	0	0	1,933	0	0	0	0	0	0	0	0	0	0	0	0	40	0
2020-02	0	0	0	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	0	0	0	3	0
2020-03	0	0	0	0	0	0	0	0	195	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2020-04	0	0	0	0	0	0	0	0	125	0	0	0	0	0	0	0	0	0	0	0	0	1,287	0
2020-05	0	0	0	0	0	0	0	0	1,103	0	0	0	0	0	0	0	0	0	0	0	0	7,875	0
2020-06	18,774	0	0	0	0	9,867	0	0	66,962	0	8,550	31,133	4,272	0	0	0	0	0	0	231,375	0	20,688	0
2020-07	2,707	30	0	0	0	4,167	0	0	2,484	0	6,750	3,520	9,811	17,053	0	0	0	0	0	366,094	0	24,673	0
2020-08	5,302	649	0	0	0	181	0	0	2,336	0	15,700	6,700	0	0	0	0	0	0	0	83,455	0	16,046	0
2020-09	16,087	2,635	0	0	0	6,205	0	0	28,103	0	8,703	17,036	0	10,350	0	0	0	0	0	214,847	0	6,172	0
2020-10	1,963	1,747	0	0	0	0	0	0	5,638	0	0	0	0	0	0	0	0	0	0	12,348	0	1,066	0
2020-11	0	0	0	0	0	0	0	0	928	0	0	0	0	0	0	0	0	0	0	0	0	40	0
2020-12	0	0	0	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	21	0
2021-01	0	0	0	0	0	0	0	0	151	0	0	0	0	0	0	0	0	0	0	0	0	8	0
2021-02	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	17	0
2021-03	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2021-04	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	761	0
2021-05	436	386	0	0	0	0	0	0	1,205	0	0	0	0	0	0	0	0	0	0	0	0	3,608	0
2021-06	56,129	1,825	0	0	0	14,421	0	0	262,450	0	14,934	20,394	29,293	24,511	0	0	0	0	0	0	0	17,526	0
2021-07	16,939	0	0	0	0	15,500	0	0	11,381	0	0	0	25,334	10,000	0	0	0	0	0	133,440	0	25,086	0
2021-08	21,002	189	0	0	0	15,500	0	0	25,214	0	42,300	29,460	22,658	20,270	0	0	0	0	0	389,215	0	17,330	0
2021-09	7,981	2,071	0	0	0	8,798	0	0	11,068	0	12,697	11,802	0	3,737	0	0	0	0	0	221,214	0	6,108	0
2021-10	6,037	4,944	0	0	0	0	0	0	24,346	0	9,732	5,006	13,408	9,418	0	0	0	0	0	82,168	0	1,454	0
2021-11	123	87	0	0	0	0	0	0	3,374	0	0	0	0	4,020	0	0	0	0	0	0	0	222	0
2021-12	0	0	0	0	0	0	0	0	597	0	0	0	0	0	0	0	0	0	0	0	0	9	0
2022-01	0	0	0	0	0	0	0	0	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-02	0	0	0	0	0	0	0	0	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-03	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	64	0
2022-04	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0	0	538	0
2022-05	1,806	862	0	0	0	0	0	0	14,685	0	9,440	3,910	0	0	0	0	0	0	0	0	0	4,670	0
2022-06	24,528	2,313	0	0	0	15,000	0	0	116,679	0	16,640	22,370	0	21,166	0	0	0	0	0	0	0	20,990	0
2022-07	9,484	932	0	0	0	14,076	0	0	12,648	3,970	0	5,204	0	0	0	0	0	2,995	0	214,710	0	22,728	0
2022-08	6,213	1,344	0	0	0	296	0	0	4,748	0	0	2,790	0	0	0	0	0	8,068	0	33,585	0	13,785	0
2022-09	9,604	3,370	0	0	0	4,609	0	0	23,939	7,370	16,510	9,162	17,247	8,767	0	0	0	5,475	0	188,340	0	5,739	0
2022-10	4,007	2,008	0	0	0	0	0	0	12,231	0	0	0	0	0	0	0	0	0	0	0	0	1,565	0
2022-11	0	0	0	0	0	0	0	0	1,542	0	0	0	0	0	0	0	0	0	0	0	0	75	0
2022-12	0	0	0	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2023-01	0	0	0	0	0	0	0	0	193	0	0	0	0	0	0	0	0	0	0	0	0	12	0
2023-02	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-03	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2023-04	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	907	0
2023-05	12,521	1,492	0	0	0	0	0	0	73,554	16,509	12,830	10,620	0	5,039	0	0	0	0	0	0	0	10,658	0
2023-06	16,517	643	0	0	0	15,000	0	0	29,886	12,920	10,940	8,357	20,964	4,443	0	0	0	12,841	0	209,027	0	19,929	0
2023-07	4,013	781	0	0	0	4,626	0	0	3,319	0	0	0	1,804	1,370	0	0	0	11,129	0	81,119	0	18,480	0
2023-08	2,384	524	0	0	0	82	0	0	1,754	0	0	0	495	17,610	0	0	0	0	0	54,896	0	13,933	0
2023-09	1,874	1,113	0	0	0	62	0	0	1,907	5,844	3,613	0	15,192	1,429	0	0	0	0	0	100,064	0	4,125	0
2023-10	203	139	0	0	0	0	0	0	701	0	0	0	53	0	0	0	0	0	0	0	0	1,528	0
2023-11	0	0	0	0	0	0	0	0	138	0	0	0	0	0	0	0	0	0	0	0	0	154	0
2023-12	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2024-01	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	15	0
2024-02	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	15	0
2024-03	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2024-04	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	1,014	0
2024-05	4,940	1,290	0	0	0	0	0	0	58,688	400	12,144	8,950	5,236	0	0	0	0	0	0	0	0	5,693	0
2024-06	17,958	623	0	0	0	15,000	0	0	94,362	32,705	10,980	10,900	284	23,974	0	0	0	9,874	0	159,898	0	18,444	0
2024-07	4,107	469	0	0	0	3,145	0	0	2,885	2,121	1,629	6,620	4,429	1,138	0	0	0	1,595	0	67,633	0	24,846	0
2024-08	6,904	823	0	0	0	179	0	0	3,073	0	0	34,769	4,925	0	0	0	0	0	0	0	0	16,982	0
2024-09	22,722	6,688	0	0	0	9,106	0	0	62,048	15,150	15,300	79,939	35,420	11,820	0	0	0	0	0	344,232	0	6,574	0
2024-10	4,503	2,380	0	0	0	0	0	0	13,243	5,802	9,811	40,302	18,592	1,390	0	0	0	0	0	171,522	0	1,473	0
2024-11	0	0	0	0	0	0	0	0	2,252	0	0	0	0	0	0	0	0	0	0	0	0	197	0
2024-12	0	0	0	0	0	0	0	0	423	0	0	0	0	0	0	0	0	0	0	0	0	12	0
2025-01	0	0	0	0	0	0	0	0	186	0	0	0	0	0	0	0	0	0	0	0	0	8	0
2025-02	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-03	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-04	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	534	0
2025-05	12,553	406	0	0	0	0	0	0	106,578	0	4,625	0	0	0	0	0	0	0	0	0	0	9,069	0
2025-06	17,963	7	0	0	0	15,000	0	0	32,213	33,539	22,804	32,310	26,191	21,345	0	0	0	41,016	0	326,052	0	21,674	0
2025-07	14,274	2,406	0	0	0	15,500	0	0	14,030	5,783	18,702	68,753	15,473	2,197	0	0	0	18,587	0	403,234	0	19,810	0
2025-08	2,416	521	0	0	0	10,097	0	0	7,590	360	4,945	32,524	4,533	6,943	0	0	0	215	0	314,243	0	12,924	0
2025-09	2,136	1,323	0	0	0	275	0	0	4,608	13,671	3,995	11,034	2,816	16,934	0	0	0	0	0	62,032	0	4,077	0
2025-10	3,392	3,147	0	0	0	0	0	0	15,048	5,254	7,608	0	3,252	0	0	0	0	0	0	30,090	0	1,363	0
2025-11	1,268	446	0	0	0	0	0	0	4,492	0	0	0	0	0	0	0	0	0	0	0	0	331	0
2025-12	0	0	0	0	0	0	0	0	814	0	0	0	0	0	0	0	0	0	0	0	0	22	0
2026-01	0	0	0	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2026-02	0	0	0	0	0	0	0	0	165	0	0	0	0	0	0	0	0	0	0	0	0	5	0
2026-03	0	0	0	0	0	0	0	0	136	0	0	0	0	0	0	0	0	0	0	0	0	310	0
2026-04	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	485	0
2026-05	1,244	605	0	0	0	0	0	0	10,168	0	0	0	11,253	0	0	0	0	2,963	0	0	0	3,638	0
2026-06	13,595	796	0	0	0	15,000	0	0	76,179	26,077	31,885	28,212	33,799	28,622	8,691	0	0	5,229	72,000	244,800	0	19,066	0
2026-07	8,645	3,366	0	0	0	822	0	0	8,217	5,450	2,517	3,445	3,729	5,923	2,800	0	0	5,403	124,000	321,300	0	18,401	0
2026-08	4,747	1,754	4,351	0	0	693	0	0	8,102	2,893	4,650	1,956	1,910	3,353	4,770	0	0	5,403	47,062	306,000	0	11,272	0
2026-09	8,313	3,392	22,734	0	0	778	0	0	12,722	8,320	5,009	7,083	4,110	12,978	4,305	0	0	5,055	9,553	76,500	0	4,986	0
2026-10	172	56	11,170	0	0	0	0	0	8,275	0	0	0	0	0	0	0	0	0	0	30,600	0	1,334	0
2026-11	0	0	0	0	0	0	0	0	660	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2026-12	0	0	0	0	0	0	0	0	221	0	0	0	0	0	0	0	0	0	0	0	0	10	0
2027-01	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2027-02	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	7	0
2027-03	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	212	0
2027-04	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	915	0
2027-05	898	493	0	0	0	0	0	0	7,763	0	0	0	11,324	0	0	0	0	2,963	0	0	0	4,268	0
2027-06	49,040	567	116,000	0	0	15,000	0	0	285,398	30,000	89,663	60,092	22,446	48,090	14,441	0	10,000	5,229	28,000	290,700	0	23,017	0
2027-07	7,202	0	252,565	274,000	0	15,500	0	0	4,686	31,000	524	126	110	1,576	430	0	2,000	174	92,000	474,300	262,500	29,958	0
2027-08	13,368	971	19,307	81,713	0	5,862	0	0	7,494	7,532	0	0	0	7,290	0	0	0	0	86,800	428,400	327,416	17,965	0
2027-09	4,785	3,872	34,363	32,639	0	2,217	0	0	16,511	8,884	0	0	0	11,295	0	0	0	0	84,000	0	203,251	3,601	0
2027-10	1,939	1,445	6,757	0	0	0	0	0	7,784	0	0	0	0	0	0	0	0	0	0	0	0	1,364	0
2027-11	783	409	0	0	0	0	0	0	3,841	0	0	0	0	0	0	0	0	0	0	0	0	327	0
2027-12	0	0	0	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2028-01	0	0	0	0	0	0	0	0	196	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028-02	0	0	0	0	0	0	0	0	116	0	0	0	0	0	0	0	0	0	0	0	0	15	0
2028-03	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2028-04	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	556	0
2028-05	153	144	0	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	2,964	0
2028-06	37,914	1,366	328,212	0	0	13,987	0	55,622	223,189	30,000	0	0	0	40,216	0	0	0	0	120,000	351,900	0	17,991	0
2028-07	2,056	0	8,610	202,000	170,000	15,500	0	15,886	3,864	19,103	0	0	0	740	0	0	0	0	116,000	474,300	162,500	27,625	0
2028-08	5,515	111	5,931	6,941	170,000	88	0	688	2,321	1,181	0	0	0	1,501	0	0	0	0	68,757	474,300	201,500	18,570	0
2028-09	12,439	5,433	49,351	41,835	140,000	2,909	0	5,561	24,026	10,740	0	0	0	13,903	0	0	0	0	39,158	137,700	188,500	5,423	0
2028-10	771	369	36,000	0	0	0	0	0	21,768	0	0	0	0	0	0	0	0	0	0	76,500	0	1,587	0
2028-11	0	0	0	0	0	0	0	0	1,271	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2028-12	0	0	0	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2029-01	0	0	0	0	0	0	0	0	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029-02	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029-03	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	36	0
2029-04	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	457	0
2029-05	362	272	0	0	0	0	0	0	5,356	0	0	0	0	0	0	0	0	0	0	0	0	2,131	0
2029-06	38,932	757	228,503	0	0	12,019	0	72,000	286,223	27,734	0	0	0	38,143	0	0	0	0	96,718	244,800	0	14,229	0
2029-07	25,718	0	261,000	135,000	90,000	15,500	0	54,000	50,997	31,000	0	0	0	20,872	0	0	0	0	36,000	474,300	112,500	33,477	0
2029-08	8,967	0	68,549	201,000	200,000	15,500	0	84,000	6,924	21,420	0	0	0	2,392	0	0	0	0	80,000	474,300	139,500	20,531	0
2029-09	9,741	3	19,864	36,823	130,000	4,108	0	12,806	7,076	3,423	0	0	0	4,115	0	0	0	0	52,000	459,000	130,500	9,654	0
2029-10	11,349	1,463	0	0	0	0	0	0	22,980	0	0	0	0	0	0	0	0	0	0	122,400	0	2,344	0
2029-11	0	0	0	0	0	0	0	0	3,550	0	0	0	0	0	0	0	0	0	0	0	0	265	0
2029-12	0	0	0	0	0	0	0	0	620	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2030-01	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2030-02	0	0	0	0	0	0	0	0	141	0	0	0	0	0	0	0	0	0	0	0	0	79	0
2030-03	0	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	8	0
2030-04	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	715	0
2030-05	0	0	0	0	0	0	0	0	138	0	0	0	0	0	0	0	0	0	0	0	0	2,669	0
2030-06	35,959	810	203,000	0	0	15,000	0	42,000	208,186	30,000	0	0	0	38,890	0	16,500	0	0	48,000	153,000	0	17,889	0
2030-07	15,898	0	217,116	166,000	160,000	12,145	0	96,000	9,360	21,958	0	0	0	6,030	0	93,000	0	0	64,000	474,300	287,500	25,503	0
2030-08	4,761	94	5,705	55,540	130,000	233	0	31,732	4,321	1,360	0	0	0	1,638	0	93,000	0	0	124,000	474,300	356,500	19,335	0
2030-09	2,529	2,230	8,345	9,636	0	141	0	3,748	2,993	1,522	0	0	0	1,913	0	90,000	0	0	63,317	15,300	202,694	3,663	0
2030-10	3,182	2,322	996	0	0	0	0	0	12,878	0	0	0	0	0	0	0	0	0	0	0	0	1,330	0
2030-11	0	0	0	0	0	0	0	0	2,239	0	0	0	0	0	0	0	0	0	0	0	0	162	0
2030-12	0	0	0	0	0	0	0	0	443	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2031-01	0	0	0	0	0	0	0	0	198	0	0	0	0	0	0	0	0	0	0	0	0	1	0

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP1 - Water Balance																								
	Inflow																					Outflow			
	Rain and Snowmelt	CP1 Bank Runoff	A6 to CP1	A8 to CP1	B7 to CP1	J6 to CP1	B34 Sump to CP1	FZO02 to CP1	Channel1 to CP1	CP2 to CP1	CP3 to CP1	CP4 to CP1	CP5 to CP1	CP6 to CP1	CP8 to CP1	WEN01 to CP1	WES02 to CP1	RO to CP1	PUMP01 to CP1	CP1 to EWTP	CP1 to SETP	Surface Evaporation	CP1 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2031-02	0	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2031-03	0	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0
2031-04	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	1,521	0
2031-05	8,750	2,342	0	0	0	0	0	0	0	96,192	0	0	0	0	0	0	0	0	0	0	0	0	0	5,721	0
2031-06	11,315	716	227,854	0	0	15,000	0	108,165	59,373	30,000	0	0	0	28,286	0	34,500	0	0	92,000	336,600	0	21,013	0
2031-07	7,588	1,436	12,490	142,609	140,000	5,204	0	13,006	3,728	6,496	0	0	0	2,170	0	84,000	0	0	54,142	459,000	287,500	23,278	0
2031-08	4,607	4,260	18,820	22,396	0	621	0	16,668	8,907	6,990	0	0	0	9,688	0	93,000	0	0	27,647	0	213,933	6,807	0
2031-09	9,739	5,841	75,345	66,493	120,000	5,375	0	51,559	34,025	20,835	0	0	0	25,181	0	90,000	0	0	67,690	61,200	270,834	4,004	0
2031-10	3,693	1,664	16,656	0	0	0	0	0	21,963	0	0	0	0	0	0	0	0	0	0	30,600	0	1,700	0
2031-11	0	0	0	0	0	0	0	0	2,169	0	0	0	0	0	0	0	0	0	0	0	0	80	0
2031-12	0	0	0	0	0	0	0	0	465	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Closure (Yearly forecast)																									
2032	90,960	9,380	0	0	0	0	0	0	213,737	0	0	0	0	0	0	0	0	0	460,000	0	683,825	68,171	0
2033	96,281	7,226	0	0	0	0	0	0	208,292	0	0	0	0	0	0	0	0	0	295,456	0	0	86,321	0
2034	99,830	0	0	0	0	0	0	0	189,755	0	0	0	0	0	0	0	0	0	0	0	0	106,441	10,835
2035	126,667	0	0	0	0	0	0	0	236,012	0	0	0	0	0	0	0	0	0	0	0	0	106,824	256,607
2036	95,281	0	0	0	0	0	0	0	146,029	0	0	0	0	0	0	0	0	0	0	0	0	100,869	132,982
2037	97,428	0	0	0	0	0	0	0	148,860	0	0	0	0	0	0	0	0	0	0	0	0	103,756	134,690
2038	77,923	0	0	0	0	0	0	0	149,813	0	0	0	0	0	0	0	0	0	0	0	0	112,223	138,782
2039	125,958	0	0	0	0	0	0	0	264,268	0	0	0	0	0	0	0	0	0	0	0	0	104,348	249,898
2040	81,653	0	0	0	0	0	0	0	152,116	0	0	0	0	0	0	0	0	0	0	0	0	101,523	148,989
2041	106,193	0	0	0	0	0	0	0	202,840	0	0	0	0	0	0	0	0	0	0	0	0	101,125	202,802
2042	120,431	0	0	0	0	0	0	0	197,721	0	0	0	0	0	0	0	0	0	0	0	0	102,195	192,367
2043	87,725	0	0	0	0	0	0	0	177,303	0	0	0	0	0	0	0	0	0	0	0	0	112,828	151,583
2044	97,449	0	0	0	0	0	0	0	172,180	0	0	0	0	0	0	0	0	0	0	0	0	106,838	159,210
2045	71,906	0	0	0	0	0	0	0	151,751	0	0	0	0	0	0	0	0	0	0	0	0	96,850	142,375
2046	121,132	0	0	0	0	0	0	0	256,741	0	0	0	0	0	0	0	0	0	0	0	0	99,931	242,716
2047	90,375	0	0	0	0	0	0	0	180,295	0	0	0	0	0	0	0	0	0	0	0	0	107,607	154,779
2048	115,634	0	0	0	0	0	0	0	259,135	0	0	0	0	0	0	0	0	0	0	0	0	103,438	266,293
2049	109,713	0	0	0	0	0	0	0	221,183	0	0	0	0	0	0	0	0	0	0	0	0	107,429	218,268
2050	96,845	0	0	0	0	0	0	0	164,683	0	0	0	0	0	0	0	0	0	0	0	0	95,810	163,253

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP2 - Water Balance						
	Inflow				Outflow		
	Natural Runoff	Rain and Snowmelt	WRSF3 to CP2	WRSF3 US to CP2	CP2 to CP1	Surface Evaporation	CP2 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)							
2020-01	0	0	0	0	0	0	0
2020-02	0	0	0	0	0	0	0
2020-03	0	0	0	0	0	0	0
2020-04	0	0	0	0	0	3	0
2020-05	0	0	0	0	0	17	0
2020-06	0	0	0	0	0	42	0
2020-07	0	0	0	0	0	53	0
2020-08	0	0	0	0	0	40	0
2020-09	0	0	0	0	0	18	0
2020-10	0	0	0	0	0	6	0
2020-11	0	0	0	0	0	0	0
2020-12	0	0	0	0	0	0	0
2021-01	0	0	0	0	0	0	0
2021-02	0	0	0	0	0	0	0
2021-03	0	0	0	0	0	0	0
2021-04	0	0	0	0	0	4	0
2021-05	0	0	0	0	0	19	0
2021-06	0	0	0	0	0	39	0
2021-07	0	0	0	0	0	48	0
2021-08	0	0	0	0	0	35	0
2021-09	0	0	0	0	0	17	0
2021-10	0	0	0	0	0	7	0
2021-11	0	0	0	0	0	1	0
2021-12	0	0	0	0	0	0	0
2022-01	1	0	0	0	0	0	0
2022-02	2	0	0	0	0	0	0
2022-03	3	0	0	0	0	0	0
2022-04	3	0	0	0	0	3	0
2022-05	296	30	26	0	0	22	0
2022-06	3,653	299	620	0	0	212	0
2022-07	544	138	653	0	3,970	276	0
2022-08	82	125	569	0	0	168	0
2022-09	1,430	260	2,329	0	7,370	63	0
2022-10	587	143	312	0	0	21	0
2022-11	126	0	0	0	0	1	0
2022-12	42	0	0	0	0	0	0
2023-01	22	0	0	30	0	0	0
2023-02	13	0	0	18	0	0	0
2023-03	10	0	0	14	0	0	0
2023-04	7	0	0	10	0	20	0
2023-05	4,015	348	47	5,968	16,509	146	0

Date	CP2 - Water Balance						
	Inflow				Outflow		
	Natural Runoff	Rain and Snowmelt	WRSF3 to CP2	WRSF3 US to CP2	CP2 to CP1	Surface Evaporation	CP2 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2023-06	2,550	400	1,532	3,876	12,920	115	0
2023-07	88	125	661	137	0	98	0
2023-08	31	77	626	49	0	89	0
2023-09	23	92	399	37	5,844	18	0
2023-10	13	11	346	22	0	5	0
2023-11	8	0	8	13	0	1	0
2023-12	5	0	0	10	0	0	0
2024-01	4	0	0	7	0	0	0
2024-02	3	0	0	5	0	0	0
2024-03	2	0	0	4	0	0	0
2024-04	2	0	0	3	0	4	0
2024-05	3,047	169	1,027	5,431	400	28	0
2024-06	2,906	431	242	5,180	32,705	37	0
2024-07	73	113	563	129	2,121	36	0
2024-08	60	192	927	108	0	37	0
2024-09	4,620	811	2,430	8,236	15,150	48	0
2024-10	2,244	208	545	3,999	5,802	11	0
2024-11	109	0	111	195	0	3	0
2024-12	33	0	0	59	0	0	0
2025-01	16	0	0	29	0	0	0
2025-02	9	0	0	16	0	0	0
2025-03	7	0	0	13	0	0	0
2025-04	5	0	0	9	0	8	0
2025-05	7,394	300	28	13,181	0	85	0
2025-06	553	397	1,431	985	33,539	297	0
2025-07	799	429	1,702	1,425	5,783	131	0
2025-08	316	78	1,796	563	360	128	0
2025-09	92	107	4,351	165	13,671	34	0
2025-10	811	218	4,806	1,446	5,254	12	0
2025-11	189	49	25	336	0	2	0
2025-12	61	0	32	109	0	0	0
2026-01	32	0	0	48	0	0	0
2026-02	17	0	0	26	0	0	0
2026-03	13	0	25	20	0	3	0
2026-04	8	0	0	13	0	5	0
2026-05	55	55	4,916	83	0	43	0
2026-06	4,432	341	704	6,734	26,077	153	0
2026-07	324	345	3,749	493	5,450	32	0
2026-08	273	185	2,040	415	2,893	21	0
2026-09	307	339	8,399	466	8,320	11	0
2026-10	643	6	132	977	0	9	0
2026-11	51	0	0	78	0	1	0
2026-12	22	0	0	34	0	0	0

Date	CP2 - Water Balance						
	Inflow				Outflow		
	Natural Runoff	Rain and Snowmelt	WRSF3 to CP2	WRSF3 US to CP2	CP2 to CP1	Surface Evaporation	CP2 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2027-01	12	0	0	19	0	0	0
2027-02	7	0	0	11	0	0	0
2027-03	6	0	0	9	0	2	0
2027-04	4	0	0	6	0	11	0
2027-05	64	42	5,759	97	0	58	0
2027-06	13,350	1,078	627	20,284	30,000	394	0
2027-07	111	154	956	169	31,000	371	0
2027-08	161	342	3,896	244	7,532	25	0
2027-09	874	281	6,283	1,328	8,884	13	0
2027-10	304	109	1,700	462	0	8	0
2027-11	94	36	333	143	0	2	0
2027-12	38	0	0	58	0	0	0
2028-01	20	0	0	30	0	0	0
2028-02	12	0	0	18	0	0	0
2028-03	9	0	0	14	0	1	0
2028-04	6	0	0	10	0	6	0
2028-05	5	10	321	7	0	33	0
2028-06	10,837	893	2,510	16,466	30,000	237	0
2028-07	121	44	410	183	19,103	135	0
2028-08	35	128	987	53	1,181	21	0
2028-09	1,581	523	7,920	2,402	10,740	12	0
2028-10	1,372	34	1,196	2,085	0	15	0
2028-11	90	0	1	137	0	3	0
2028-12	31	0	0	47	0	0	0
2029-01	16	0	0	24	0	0	0
2029-02	9	0	0	14	0	0	0
2029-03	7	0	0	11	0	1	0
2029-04	5	0	0	8	0	9	0
2029-05	5	20	4,995	7	0	49	0
2029-06	15,873	878	454	24,115	27,734	178	0
2029-07	325	542	1,911	494	31,000	597	0
2029-08	227	190	1,394	345	21,420	117	0
2029-09	255	209	2,582	388	3,423	10	0
2029-10	1,229	321	3,934	1,867	0	8	0
2029-11	267	0	156	405	0	2	0
2029-12	56	0	0	85	0	0	0
2030-01	26	0	0	40	0	0	0
2030-02	15	0	0	22	0	2	0
2030-03	11	0	0	17	0	0	0
2030-04	7	0	0	11	0	16	0
2030-05	6	0	177	8	0	59	0
2030-06	8,980	825	498	13,645	30,000	221	0
2030-07	258	337	3,892	391	21,958	121	0

Date	CP2 - Water Balance						
	Inflow				Outflow		
	Natural Runoff	Rain and Snowmelt	WRSF3 to CP2	WRSF3 US to CP2	CP2 to CP1	Surface Evaporation	CP2 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2030-08	94	109	1,036	143	1,360	21	0
2030-09	57	157	1,232	87	1,522	10	0
2030-10	496	176	1,986	754	0	7	0
2030-11	150	0	27	228	0	2	0
2030-12	41	0	0	62	0	0	0
2031-01	20	0	0	31	0	0	0
2031-02	12	0	0	18	0	0	0
2031-03	9	0	0	14	0	1	0
2031-04	6	0	105	10	0	19	0
2031-05	5,783	302	2,181	8,787	0	76	0
2031-06	1,713	286	245	2,604	30,000	277	0
2031-07	110	235	1,333	167	6,496	34	0
2031-08	250	295	5,228	380	6,990	21	0
2031-09	2,156	481	14,581	3,276	20,835	16	0
2031-10	1,266	158	5,374	1,923	0	14	0
2031-11	172	0	24	262	0	2	0
2031-12	46	0	1	70	0	0	0
Closure (Yearly Forecast)							
2032	18,791	2,459	9,246	28,550	0	1,876	30,988
2033	17,883	2,457	11,370	27,170	0	2,477	74,141
2034	16,521	2,083	11,095	25,101	0	2,508	65,519
2035	20,035	2,607	21,423	30,443	0	2,480	93,851
2036	12,137	1,961	12,605	18,441	0	2,342	54,267
2037	12,422	2,006	10,628	18,875	0	2,411	57,946
2038	13,117	1,608	6,488	19,931	0	2,611	50,014
2039	23,768	2,593	9,679	36,110	0	2,423	92,100
2040	13,034	1,682	7,511	19,804	0	2,359	56,079
2041	17,194	2,186	19,419	26,125	0	2,349	84,809
2042	16,680	2,477	11,458	25,342	0	2,371	70,380
2043	14,871	1,806	19,497	22,594	0	2,620	68,857
2044	14,665	2,007	7,109	22,282	0	2,483	62,570
2045	13,258	1,481	8,798	20,143	0	2,251	54,033
2046	22,757	2,493	10,073	34,577	0	2,321	94,562
2047	15,370	1,862	10,608	23,356	0	2,501	62,536
2048	22,199	2,379	27,369	33,731	0	2,400	106,346
2049	19,245	2,258	13,214	29,241	0	2,495	80,504
2050	13,899	1,992	9,679	21,118	0	2,222	63,194

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP3 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP3 Bank Runoff	TSF Snow to CP3	TSF to CP3	TSF to CP3 Seepage	CP3 Berm to CP3	CP3 to CP1	CP3 to WES03	Surface Evaporation	CP3 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)											
2020-01	596	0	11	0	0	0	31	0	0	1	0
2020-02	117	0	2	0	0	0	6	0	0	0	0
2020-03	60	0	1	0	0	0	3	0	0	2	0
2020-04	34	0	1	0	0	0	2	0	0	28	0
2020-05	23	0	0	0	0	0	1	0	0	170	0
2020-06	14,559	434	227	0	25	1	769	8,550	0	488	0
2020-07	363	61	6	0	52	112	19	6,750	0	568	0
2020-08	212	143	4	0	133	204	11	15,700	0	410	0
2020-09	6,947	354	154	0	452	1,098	367	8,703	0	143	0
2020-10	958	90	21	0	97	1,212	51	0	0	48	0
2020-11	239	0	5	0	0	385	13	0	0	2	0
2020-12	88	0	2	0	0	21	5	0	0	1	0
2021-01	47	0	1	0	0	1	2	0	0	0	0
2021-02	27	0	1	0	0	0	1	0	0	1	0
2021-03	21	0	0	0	0	0	1	0	0	3	0
2021-04	15	0	0	0	0	0	1	0	0	38	0
2021-05	12	21	0	0	18	6	1	0	0	166	0
2021-06	50,624	1,672	795	0	156	121	2,673	14,934	0	503	9,311
2021-07	2,522	526	22	0	517	626	133	0	0	776	3,574
2021-08	6,446	476	114	0	694	1,597	340	42,300	0	412	110
2021-09	1,986	198	46	0	407	2,748	105	12,697	0	145	0
2021-10	5,828	204	145	0	514	1,951	308	9,732	0	50	0
2021-11	784	4	18	0	5	1,642	41	0	0	8	0
2021-12	168	0	4	0	0	173	9	0	0	0	0
2022-01	79	0	2	0	0	6	4	0	0	0	0
2022-02	45	0	1	0	0	0	2	0	0	0	0
2022-03	35	0	1	0	0	0	2	0	0	3	0
2022-04	24	0	1	0	0	0	1	0	0	25	0
2022-05	2,095	51	55	0	3	0	111	9,440	0	181	0
2022-06	21,143	541	450	0	350	347	1,116	16,640	0	446	0
2022-07	2,664	214	53	0	422	873	141	0	0	511	0
2022-08	346	181	7	0	331	2,126	18	0	0	398	0
2022-09	5,332	314	106	0	607	1,374	281	16,510	0	178	0
2022-10	1,957	146	40	0	248	2,326	103	0	0	58	0
2022-11	381	0	8	0	0	867	20	0	0	3	0
2022-12	116	0	2	0	0	59	6	0	0	0	0
2023-01	58	0	1	0	0	2	3	0	0	1	0
2023-02	32	0	1	0	0	0	2	0	0	0	0
2023-03	25	0	1	0	0	0	1	0	0	0	0
2023-04	17	0	0	0	0	0	1	0	0	52	0
2023-05	9,705	302	222	0	93	0	615	12,830	0	278	0
2023-06	6,019	338	152	0	870	643	400	10,940	0	401	0
2023-07	203	104	6	0	284	2,384	14	0	0	476	0
2023-08	69	66	2	0	183	1,087	5	0	0	384	0
2023-09	50	78	1	0	227	1,025	4	3,613	0	182	0
2023-10	28	9	1	0	28	696	2	0	0	67	0
2023-11	16	0	1	0	0	121	1	0	0	8	0
2023-12	11	0	0	0	0	10	1	0	0	1	0
2024-01	8	0	0	0	0	0	1	0	0	1	0
2024-02	5	0	0	0	0	0	1	0	0	1	0
2024-03	5	0	0	0	0	0	0	0	0	3	0
2024-04	4	0	0	0	0	0	0	0	0	55	0
2024-05	5,850	103	255	0	22	0	560	12,144	0	193	0
2024-06	5,580	364	214	0	107	84	534	10,980	0	347	0
2024-07	139	66	6	0	317	507	13	1,629	0	401	0
2024-08	116	123	5	0	537	1,307	11	0	0	303	0
2024-09	8,872	614	346	0	2,268	2,050	849	15,300	0	158	0
2024-10	4,308	127	190	0	582	8,967	412	9,811	0	52	0
2024-11	210	0	8	0	0	2,449	20	0	0	11	0
2024-12	64	0	3	0	0	131	6	0	0	1	0
2025-01	31	0	1	0	0	5	3	0	0	0	0

Date	CP3 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP3 Bank Runoff	TSF Snow to CP3	TSF to CP3	TSF to CP3 Seepage	CP3 Berm to CP3	CP3 to CP1	CP3 to WES03	Surface Evaporation	CP3 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2025-02	18	0	1	0	0	0	2	0	0	0	0
2025-03	14	0	1	0	0	0	1	0	0	0	0
2025-04	10	0	0	0	0	0	1	0	0	26	0
2025-05	14,197	287	451	10,677	3	0	1,359	4,625	0	197	0
2025-06	1,061	428	29	9,770	345	283	102	22,804	0	484	0
2025-07	1,535	277	65	0	1,199	1,425	147	18,702	0	383	0
2025-08	606	49	27	0	217	3,576	58	4,945	0	274	0
2025-09	177	62	8	0	300	1,324	17	3,995	0	131	0
2025-10	1,558	147	65	0	608	2,288	149	7,608	0	54	0
2025-11	362	31	15	597	89	1,676	35	0	0	9	0
2025-12	117	0	5	0	0	258	11	0	0	1	0
2026-01	49	0	2	0	0	7	5	0	0	0	0
2026-02	26	0	1	0	0	0	3	0	0	0	0
2026-03	20	0	1	0	0	0	2	0	0	14	0
2026-04	13	0	1	0	0	0	1	0	0	23	0
2026-05	84	41	4	3,562	0	0	9	0	0	150	0
2026-06	6,839	203	315	14,664	319	131	694	31,885	0	249	0
2026-07	500	177	26	0	966	1,132	51	2,517	0	335	0
2026-08	422	95	22	0	519	3,772	43	4,650	0	222	0
2026-09	473	174	24	1,039	904	2,453	48	5,009	0	107	0
2026-10	993	3	48	59	15	2,644	101	0	0	37	0
2026-11	79	0	3	0	0	447	8	0	0	5	0
2026-12	34	0	1	0	0	19	3	0	0	0	0
2027-01	5	0	1	0	0	1	2	0	0	0	0
2027-02	3	0	0	0	0	0	1	0	0	0	0
2027-03	2	0	0	0	0	0	1	0	0	10	0
2027-04	2	0	0	0	0	0	1	0	0	43	0
2027-05	25	31	4	2,088	54	0	10	0	0	175	0
2027-06	5,259	601	1,057	73,029	367	266	2,091	89,663	0	275	0
2027-07	44	79	9	0	582	1,805	17	524	1,686	327	0
2027-08	63	175	13	0	1,294	2,183	25	0	3,524	229	0
2027-09	344	144	69	0	1,065	5,109	137	0	6,759	110	0
2027-10	120	66	21	685	376	4,828	48	0	0	51	0
2027-11	37	28	6	1,027	84	1,073	15	0	0	11	0
2027-12	15	0	2	0	0	268	6	0	0	0	0
2028-01	8	0	1	0	0	10	3	0	0	0	0
2028-02	5	0	1	0	0	0	2	0	0	1	0
2028-03	4	0	1	0	0	0	1	0	0	6	0
2028-04	3	0	0	0	0	0	1	0	0	29	0
2028-05	2	8	0	0	37	0	1	0	0	153	0
2028-06	4,269	457	860	54,652	602	226	1,697	0	74,551	231	0
2028-07	48	22	10	0	166	2,296	19	0	2,258	303	0
2028-08	14	65	3	0	484	768	5	0	1,115	224	0
2028-09	623	268	125	137	1,974	1,638	248	0	4,896	118	0
2028-10	540	24	101	2,053	24	6,818	215	0	0	44	0
2028-11	36	0	5	0	0	1,289	14	0	0	9	0
2028-12	12	0	2	0	0	58	5	0	0	0	0
2029-01	6	0	1	0	0	2	2	0	0	0	0
2029-02	4	0	1	0	0	0	1	0	0	0	0
2029-03	3	0	0	0	0	0	1	0	0	2	0
2029-04	2	0	0	0	0	0	1	0	0	25	0
2029-05	2	17	0	1,437	4	0	1	0	0	114	0
2029-06	6,252	532	1,211	63,757	83	7	2,486	0	85,000	222	0
2029-07	128	330	25	19,096	1,079	678	51	0	17,602	375	0
2029-08	90	97	18	0	720	3,185	36	0	3,922	223	0
2029-09	101	107	20	0	789	3,608	40	0	4,558	107	0
2029-10	484	227	81	3,080	1,057	3,024	192	0	0	43	0
2029-11	105	0	17	0	0	2,030	42	0	0	6	0
2029-12	22	0	3	0	0	294	9	0	0	0	0
2030-01	10	0	2	0	0	11	4	0	0	0	0
2030-02	6	0	1	0	0	0	2	0	0	4	0
2030-03	4	0	1	0	0	0	2	0	0	0	0
2030-04	3	0	0	0	0	0	1	0	0	38	0
2030-05	2	0	0	0	0	0	1	0	0	141	0

Date	CP3 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP3 Bank Runoff	TSF Snow to CP3	TSF to CP3	TSF to CP3 Seepage	CP3 Berm to CP3	CP3 to CP1	CP3 to WES03	Surface Evaporation	CP3 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2030-06	3,537	423	713	57,187	217	44	1,407	0	75,317	224	0
2030-07	101	173	20	0	1,276	760	40	0	2,096	277	0
2030-08	37	56	7	0	413	4,619	15	0	4,919	228	0
2030-09	22	80	5	0	594	1,807	9	0	2,408	110	0
2030-10	196	111	35	2,293	549	1,842	78	0	0	46	0
2030-11	59	0	10	0	0	2,317	24	0	0	7	0
2030-12	16	0	3	0	0	169	6	0	0	0	0
2031-01	8	0	1	0	0	6	3	0	0	0	0
2031-02	5	0	1	0	0	0	2	0	0	0	0
2031-03	4	0	1	0	0	0	1	0	0	5	0
2031-04	2	0	0	0	0	0	1	0	0	76	0
2031-05	2,278	274	306	18,924	180	0	906	0	0	205	0
2031-06	675	251	89	19,062	114	668	268	0	48,647	289	0
2031-07	43	120	9	0	888	656	17	0	1,443	296	0
2031-08	98	151	20	0	1,116	2,575	39	0	3,781	219	0
2031-09	849	246	171	0	1,821	4,256	338	0	7,573	108	0
2031-10	499	100	87	1,472	522	7,580	198	0	0	50	0
2031-11	68	0	10	0	0	1,599	27	0	0	4	0
2031-12	18	0	3	0	0	79	7	0	0	0	0
Closure (Yearly Forecast)											
2032	7,402	2,500	1,004	0	0	5,982	2,943	0	0	1,960	0
2033	7,044	3,419	558	0	0	15,097	2,801	0	0	3,051	17,597
2034	6,507	2,965	434	0	0	12,325	2,587	0	0	3,167	21,412
2035	7,892	3,711	527	0	0	16,960	3,138	0	0	3,131	28,789
2036	4,781	2,792	319	0	0	9,745	1,901	0	0	2,956	16,480
2037	4,894	2,857	327	0	0	12,546	1,946	0	0	3,045	19,309
2038	5,167	2,289	345	0	0	10,547	2,054	0	0	3,298	17,113
2039	9,363	3,691	625	0	0	19,356	3,722	0	0	3,059	33,607
2040	5,135	2,394	343	0	1,700	18,382	2,041	0	0	2,978	26,888
2041	6,773	3,113	452	0	0	19,379	2,693	0	0	2,967	29,452
2042	6,570	3,526	439	0	0	23,980	2,612	0	0	2,992	33,867
2043	5,858	2,571	391	0	0	23,691	2,329	0	0	3,308	31,335
2044	5,777	2,858	386	0	0	23,567	2,297	0	0	3,136	31,308
2045	5,222	2,109	349	0	0	17,035	2,076	0	0	2,842	23,972
2046	8,965	3,550	598	0	0	26,552	3,564	0	0	2,930	40,139
2047	6,054	2,652	404	0	0	30,624	2,408	0	0	3,159	38,959
2048	8,745	3,387	584	0	0	26,346	3,477	0	0	3,030	39,467
2049	7,581	3,216	506	0	0	26,826	3,014	0	0	3,150	37,897
2050	5,475	2,836	365	0	0	22,388	2,177	0	0	2,806	30,438

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP4 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP4 Bank Runoff	CP4 Berm Runoff	PUMP01 to CP4	B36 to CP4	WRSF1 to CP4	CP4 to CP1	CP4 to WES03	Surface Evaporation	CP4 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)											
2020-01	170	0	0	51	0	0	0	0	0	1	0
2020-02	34	0	0	10	0	0	0	0	0	0	0
2020-03	17	0	0	5	0	0	0	0	0	1	0
2020-04	10	0	0	3	0	0	16	0	0	21	0
2020-05	7	0	0	2	0	0	1,219	0	0	127	0
2020-06	4,156	229	569	1,246	0	0	859	31,133	0	279	0
2020-07	103	32	90	31	0	0	1,094	3,520	0	290	0
2020-08	60	77	216	18	0	0	708	6,700	0	225	0
2020-09	1,983	239	705	594	0	0	2,545	17,036	0	98	0
2020-10	274	62	180	82	0	0	19	0	0	33	0
2020-11	68	0	0	20	0	0	62	0	0	1	0
2020-12	25	0	0	7	0	0	0	0	0	1	0
2021-01	13	0	0	4	0	0	0	0	0	0	0
2021-02	8	0	0	2	0	0	0	0	0	1	0
2021-03	6	0	0	2	0	0	0	0	0	2	0
2021-04	4	0	0	1	0	0	0	0	0	26	0
2021-05	3	14	40	1	0	0	23	0	0	111	0
2021-06	14,449	983	1,788	4,333	0	0	122	20,394	0	311	0
2021-07	720	408	431	216	0	0	346	0	0	603	0
2021-08	1,840	404	623	552	0	0	293	29,460	0	338	0
2021-09	567	141	398	170	0	0	2,677	11,802	0	110	0
2021-10	1,663	179	525	499	0	0	393	5,006	0	43	0
2021-11	224	4	10	67	0	0	34	0	0	6	0
2021-12	48	0	0	14	0	0	4	0	0	0	0
2022-01	23	0	0	7	0	0	0	0	0	0	0
2022-02	13	0	0	4	0	0	0	0	0	0	0
2022-03	10	0	0	3	0	0	0	0	0	2	0
2022-04	7	0	0	2	0	0	0	0	0	19	0
2022-05	598	42	115	179	0	0	53	3,910	0	137	0
2022-06	6,035	392	930	1,810	0	0	1,025	22,370	0	317	0
2022-07	760	125	376	228	0	0	912	5,204	0	297	0
2022-08	99	100	294	30	0	0	686	2,790	0	217	0
2022-09	1,522	183	540	456	0	0	2,475	9,162	0	108	0
2022-10	559	95	262	168	0	0	297	0	0	38	0
2022-11	109	0	0	33	0	0	0	0	0	2	0
2022-12	33	0	0	10	0	0	0	0	0	0	0
2023-01	15	0	0	5	0	0	0	0	0	0	0
2023-02	9	0	0	3	0	0	0	0	0	0	0
2023-03	7	0	0	2	0	0	0	0	0	0	0
2023-04	5	0	0	2	0	0	0	0	0	32	0
2023-05	3,028	197	500	997	0	0	34	10,620	0	180	0
2023-06	1,966	219	578	648	0	0	1,085	8,357	0	250	0
2023-07	70	63	184	23	0	0	464	0	0	289	0
2023-08	25	40	113	8	0	0	435	0	0	232	0
2023-09	19	48	134	6	0	0	275	0	0	115	0
2023-10	11	6	16	4	0	0	235	0	0	43	0
2023-11	7	0	0	2	0	0	5	0	0	5	0
2023-12	5	0	0	2	0	0	0	0	0	1	0
2024-01	4	0	0	1	0	0	0	0	0	1	0
2024-02	3	0	0	1	0	0	0	0	0	1	0
2024-03	2	0	0	1	0	0	0	0	0	2	0
2024-04	2	0	0	1	0	0	0	0	0	35	0
2024-05	2,756	94	243	908	0	0	682	8,950	0	147	0
2024-06	2,628	272	606	866	0	0	161	10,900	0	283	0
2024-07	66	61	164	22	0	0	374	6,620	0	364	0
2024-08	55	101	280	18	0	21,886	616	34,769	0	253	0
2024-09	4,179	428	1,180	1,376	0	43,152	1,614	79,939	0	110	0
2024-10	2,029	106	305	668	0	39,176	362	40,302	0	42	0
2024-11	99	0	0	33	0	0	74	0	0	8	0
2024-12	30	0	0	10	0	0	0	0	0	0	0
2025-01	15	0	0	5	0	0	0	0	0	0	0

Date	CP4 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP4 Bank Runoff	CP4 Berm Runoff	PUMP01 to CP4	B36 to CP4	WRSF1 to CP4	CP4 to CP1	CP4 to WES03	Surface Evaporation	CP4 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2025-02	8	0	0	3	0	0	0	0	0	0	0
2025-03	6	0	0	2	0	0	0	0	0	0	0
2025-04	5	0	0	2	0	0	0	0	0	21	0
2025-05	6,687	207	413	2,203	0	0	18	0	0	148	0
2025-06	500	287	539	165	18,623	0	950	32,310	0	348	0
2025-07	723	430	522	238	77,079	0	1,131	68,753	0	559	0
2025-08	286	47	110	94	0	0	1,193	32,524	0	279	0
2025-09	83	56	157	27	2,291	0	2,890	11,034	0	112	0
2025-10	734	110	319	242	0	0	3,193	0	0	42	0
2025-11	171	28	70	56	0	0	17	0	0	7	0
2025-12	55	0	0	18	0	0	21	0	0	1	0
2026-01	44	0	0	8	0	0	0	0	0	0	0
2026-02	24	0	0	4	0	0	0	0	0	0	0
2026-03	18	0	0	3	0	0	17	0	0	12	0
2026-04	12	0	0	2	0	0	0	0	0	18	0
2026-05	76	35	78	14	0	0	3,265	0	0	124	0
2026-06	6,141	181	496	1,125	0	0	468	28,212	0	233	0
2026-07	449	169	509	82	0	0	2,491	3,445	0	320	0
2026-08	379	91	273	69	0	0	1,355	1,956	0	212	0
2026-09	425	166	500	78	0	0	5,579	7,083	0	102	0
2026-10	892	3	9	163	0	0	87	0	0	29	0
2026-11	71	0	0	13	0	0	0	0	0	4	0
2026-12	31	0	0	6	0	0	0	0	0	0	0
2027-01	17	0	0	3	0	0	0	0	0	0	0
2027-02	10	0	0	2	0	0	0	0	0	0	0
2027-03	8	0	0	1	0	0	0	0	0	7	0
2027-04	6	0	0	1	0	0	0	0	0	31	0
2027-05	88	24	61	16	0	0	3,826	0	0	130	0
2027-06	18,496	529	1,589	3,389	0	0	417	60,092	0	253	0
2027-07	154	75	227	28	0	0	635	126	770	312	0
2027-08	223	167	504	41	0	0	2,588	0	3,347	219	0
2027-09	1,211	138	415	222	0	0	4,173	0	6,054	105	0
2027-10	421	56	159	77	0	0	1,129	0	0	40	0
2027-11	130	19	52	24	0	0	222	0	0	8	0
2027-12	53	0	0	10	0	0	0	0	0	0	0
2028-01	28	0	0	5	0	0	0	0	0	0	0
2028-02	17	0	0	3	0	0	0	0	0	1	0
2028-03	13	0	0	2	0	0	0	0	0	4	0
2028-04	9	0	0	2	0	0	0	0	0	20	0
2028-05	7	5	14	1	0	0	213	0	0	105	0
2028-06	15,016	437	1,317	2,751	0	0	1,668	0	45,611	216	0
2028-07	167	21	65	31	0	0	272	0	334	289	0
2028-08	48	63	188	9	0	0	655	0	790	214	0
2028-09	2,191	256	772	401	0	0	5,261	0	8,821	112	0
2028-10	1,901	18	49	348	0	0	795	0	0	34	0
2028-11	125	0	0	23	0	0	1	0	0	6	0
2028-12	43	0	0	8	0	0	0	0	0	0	0
2029-01	22	0	0	4	0	0	0	0	0	0	0
2029-02	13	0	0	2	0	0	0	0	0	0	0
2029-03	10	0	0	2	0	0	0	0	0	1	0
2029-04	7	0	0	1	0	0	0	0	0	17	0
2029-05	7	12	29	1	0	0	3,318	0	0	77	0
2029-06	21,995	447	1,287	4,030	0	0	301	0	60,935	194	0
2029-07	450	266	798	82	0	0	1,270	0	8,974	346	0
2029-08	315	93	280	58	0	0	926	0	1,459	213	0
2029-09	354	102	307	65	0	0	1,715	0	2,441	102	0
2029-10	1,703	175	464	312	0	0	2,613	0	0	34	0
2029-11	369	0	0	68	0	0	103	0	0	4	0
2029-12	78	0	0	14	0	0	0	0	0	0	0
2030-01	36	0	0	7	0	0	0	0	0	0	0
2030-02	20	0	0	4	0	0	0	0	0	3	0
2030-03	15	0	0	3	0	0	0	0	0	0	0
2030-04	10	0	0	2	0	0	0	0	0	28	0
2030-05	8	0	0	1	0	0	118	0	0	103	0

Date	CP4 - Water Balance										
	Inflow							Outflow			
	Natural Runoff	Rain and Snowmelt	CP4 Bank Runoff	CP4 Berm Runoff	PUMP01 to CP4	B36 to CP4	WRSF1 to CP4	CP4 to CP1	CP4 to WES03	Surface Evaporation	CP4 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2030-06	12,444	404	1,217	2,280	0	0	331	0	46,990	211	0
2030-07	357	165	497	65	0	0	2,586	0	3,405	265	0
2030-08	130	53	161	24	0	0	688	0	838	218	0
2030-09	79	77	232	14	0	0	818	0	1,115	105	0
2030-10	688	91	257	126	0	0	1,319	0	0	39	0
2030-11	208	0	0	38	0	0	18	0	0	5	0
2030-12	57	0	0	10	0	0	0	0	0	0	0
2031-01	28	0	0	5	0	0	0	0	0	0	0
2031-02	16	0	0	3	0	0	0	0	0	0	0
2031-03	13	0	0	2	0	0	0	0	0	4	0
2031-04	9	0	0	2	0	0	70	0	0	54	0
2031-05	8,014	192	423	1,468	0	0	1,449	0	0	146	0
2031-06	2,374	170	407	435	0	0	163	0	33,014	248	0
2031-07	152	115	346	28	0	0	886	0	1,298	283	0
2031-08	346	144	435	63	0	0	3,473	0	4,253	209	0
2031-09	2,988	236	710	547	0	0	9,686	0	14,062	104	0
2031-10	1,754	83	230	321	0	0	3,569	0	0	40	0
2031-11	239	0	0	44	0	0	16	0	0	3	0
2031-12	63	0	0	12	0	0	1	0	0	0	0
Closure (Yearly Forecast)											
2032	26,040	2,808	2,824	4,771	0	0	6,142	0	0	2,210	0
2033	24,779	3,612	2,419	4,540	0	0	7,553	0	0	3,227	38,640
2034	22,893	3,062	2,050	4,194	0	0	7,370	0	0	3,269	35,841
2035	27,762	3,831	2,566	5,087	0	0	14,231	0	0	3,231	49,458
2036	16,819	2,883	1,930	3,082	0	0	8,374	0	0	3,052	27,967
2037	17,214	2,950	1,975	3,154	0	0	7,060	0	0	3,142	28,218
2038	18,176	2,362	1,583	3,330	0	0	4,310	0	0	3,399	25,692
2039	32,934	3,811	2,552	6,034	0	0	6,430	0	0	3,158	48,054
2040	18,062	2,472	1,655	3,309	0	0	4,990	0	0	3,075	26,264
2041	23,825	3,213	2,151	4,365	0	0	12,899	0	0	3,062	40,065
2042	23,114	3,642	2,438	4,235	0	0	7,611	0	0	3,091	37,402
2043	20,606	2,655	1,778	3,775	0	0	12,951	0	0	3,415	35,410
2044	20,321	2,949	1,976	3,723	0	0	4,722	0	0	3,231	30,243
2045	18,370	2,177	1,458	3,366	0	0	5,844	0	0	2,933	26,021
2046	31,532	3,664	2,454	5,778	0	0	6,691	0	0	3,024	46,628
2047	21,299	2,737	1,833	3,903	0	0	7,046	0	0	3,258	33,119
2048	30,763	3,497	2,342	5,636	0	0	18,181	0	0	3,127	54,897
2049	26,667	3,320	2,223	4,886	0	0	8,777	0	0	3,251	40,695
2050	19,260	2,928	1,960	3,529	0	0	6,430	0	0	2,897	29,426

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP5 - Water Balance										
	Inflow						Outflow				
	Rain and Snowmelt	WRSF01 to CP5	TIRI01 to CP5	TIRI02 to CP5	CP5 Facilities Runoff	CP5 Bank Runoff	CP5 to CP7	CP5 to CP1	CP5 to WES03	Surface Evaporation	CP5 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)											
2020-01	0	0	0	0	787	0	0	0	0	5	0
2020-02	0	0	0	0	155	0	0	0	0	0	0
2020-03	0	0	0	0	79	0	0	0	0	9	0
2020-04	0	5	0	0	45	0	0	0	0	163	0
2020-05	0	394	0	0	31	0	0	0	0	1,001	0
2020-06	2,124	261	0	0	19,242	692	0	4,272	0	2,269	0
2020-07	60	315	0	0	479	241	0	9,811	0	689	0
2020-08	155	193	0	0	280	576	0	0	0	461	0
2020-09	1,412	660	0	0	9,180	1,410	0	0	0	804	0
2020-10	661	5	0	0	1,267	210	0	0	0	352	0
2020-11	0	15	0	0	316	0	0	0	0	14	0
2020-12	0	0	0	0	116	0	0	0	0	7	0
2021-01	0	0	0	0	61	0	0	0	0	3	0
2021-02	0	0	0	0	36	0	0	0	0	6	0
2021-03	0	0	0	0	28	0	0	0	0	18	0
2021-04	0	0	0	0	20	0	0	0	0	272	0
2021-05	148	7	0	0	16	46	0	0	0	1,173	0
2021-06	9,922	34	0	0	66,899	886	0	29,293	0	2,954	8,010
2021-07	2,645	92	0	0	3,332	307	0	25,334	0	4,316	0
2021-08	2,047	75	0	0	8,519	1,092	0	22,658	0	1,783	0
2021-09	1,298	667	0	0	2,625	552	0	0	0	948	0
2021-10	1,801	95	0	0	7,701	677	0	13,408	0	414	0
2021-11	30	8	112	0	1,036	14	0	0	0	53	0
2021-12	0	1	0	0	222	0	0	0	0	3	0
2022-01	0	0	0	0	104	0	0	0	0	0	0
2022-02	0	0	0	0	59	0	0	0	0	0	0
2022-03	0	0	0	0	46	0	0	0	0	21	0
2022-04	0	0	0	0	31	0	0	0	0	172	0
2022-05	368	14	0	0	2,769	166	0	0	0	1,212	0
2022-06	4,181	265	0	0	27,940	798	0	0	0	3,365	0
2022-07	1,663	236	0	0	3,521	293	0	0	0	3,967	0
2022-08	1,331	177	671	0	457	216	0	0	0	2,928	0
2022-09	2,398	640	2,778	0	7,046	420	0	17,247	0	1,383	0
2022-10	1,179	77	4,639	0	2,587	205	0	0	0	467	0
2022-11	0	0	0	0	504	0	0	0	0	27	0
2022-12	0	0	0	0	153	0	0	0	0	3	0
2023-01	0	0	0	0	78	0	0	0	0	5	0
2023-02	0	0	0	0	45	0	0	0	0	0	0
2023-03	0	0	0	0	36	0	0	0	0	0	0
2023-04	0	0	0	0	25	0	0	0	0	405	0
2023-05	2,044	9	6,162	0	15,401	514	0	0	0	1,761	0
2023-06	1,308	281	4,390	0	10,000	1,109	0	20,964	0	2,079	0
2023-07	138	120	0	0	354	483	0	1,804	0	616	0
2023-08	83	112	5,110	0	126	298	0	495	0	509	0
2023-09	262	71	7,990	0	96	275	0	15,192	0	332	0
2023-10	10	61	0	0	56	42	0	53	0	78	0
2023-11	0	1	0	0	34	0	0	0	0	10	0
2023-12	0	0	0	0	25	0	0	0	0	2	0
2024-01	0	0	0	0	18	0	0	0	0	1	0
2024-02	0	0	0	0	13	0	0	0	0	1	0
2024-03	0	0	0	0	11	0	0	0	0	4	0
2024-04	0	0	0	0	9	0	0	0	0	66	0
2024-05	369	176	698	0	14,014	560	0	5,236	0	346	0
2024-06	2,467	42	168	0	13,366	669	0	284	0	2,588	0
2024-07	627	97	190	0	334	186	0	4,429	0	3,772	0
2024-08	1,045	159	6,735	0	277	324	0	4,925	0	2,699	0
2024-09	4,524	417	8,440	0	21,249	1,314	0	35,420	0	1,200	0
2024-10	976	94	0	0	10,317	430	0	18,592	0	291	0
2024-11	0	19	0	0	503	0	0	0	0	32	0
2024-12	0	0	0	0	153	0	0	0	0	4	0
2025-01	0	0	0	0	75	0	0	0	0	3	0

Date	CP5 - Water Balance										
	Inflow						Outflow				
	Rain and Snowmelt	WRSF01 to CP5	TIRI01 to CP5	TIRI02 to CP5	CP5 Facilities Runoff	CP5 Bank Runoff	CP5 to CP7	CP5 to CP1	CP5 to WES03	Surface Evaporation	CP5 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2025-02	0	0	0	0	42	0	0	0	0	0	0
2025-03	0	0	0	0	33	0	0	0	0	0	0
2025-04	0	0	0	0	23	0	0	0	0	192	0
2025-05	1,790	5	5,680	0	34,006	429	0	0	0	1,316	0
2025-06	2,390	246	6,035	0	2,541	556	0	26,191	0	2,364	0
2025-07	1,774	292	10,946	0	3,677	1,004	0	15,473	0	2,017	0
2025-08	276	309	4,750	0	1,452	204	0	4,533	0	1,542	0
2025-09	250	747	0	0	425	349	0	2,816	0	514	0
2025-10	482	826	520	0	3,731	719	0	3,252	0	205	0
2025-11	159	4	0	0	868	134	0	0	0	44	0
2025-12	0	6	0	0	281	0	0	0	0	5	0
2026-01	0	0	0	0	124	0	0	0	0	0	0
2026-02	0	0	0	0	67	0	0	0	0	1	0
2026-03	0	4	0	0	51	0	0	0	0	77	0
2026-04	0	0	0	0	33	0	0	0	0	120	0
2026-05	53	844	0	0	214	217	0	11,253	0	210	0
2026-06	330	121	67,234	0	17,374	1,339	0	33,799	0	449	0
2026-07	334	644	669	0	1,271	1,356	0	3,729	0	632	0
2026-08	179	350	0	0	1,072	728	0	1,910	0	419	0
2026-09	328	1,443	0	0	1,203	1,332	0	4,110	0	202	0
2026-10	6	23	0	0	2,522	25	0	0	0	94	0
2026-11	0	0	0	0	201	0	0	0	0	15	0
2026-12	0	0	0	0	87	0	0	0	0	1	0
2027-01	0	0	0	0	49	0	0	0	0	1	0
2027-02	0	0	0	0	29	0	0	0	0	1	0
2027-03	0	0	0	0	23	0	0	0	0	29	0
2027-04	0	0	0	0	17	0	0	0	0	124	0
2027-05	41	989	0	0	250	166	0	11,324	0	238	0
2027-06	1,042	108	31,292	0	52,334	4,232	0	22,446	0	496	0
2027-07	149	164	0	0	436	604	0	110	715	617	0
2027-08	331	669	0	0	630	1,343	0	0	2,617	432	0
2027-09	272	1,079	0	0	3,427	1,105	0	0	5,676	207	0
2027-10	133	292	0	0	1,192	412	0	0	0	110	0
2027-11	64	57	0	0	369	127	0	0	0	26	0
2027-12	0	0	0	0	150	0	0	0	0	0	0
2028-01	0	0	0	0	79	0	0	0	0	0	0
2028-02	0	0	0	0	47	0	0	0	0	2	0
2028-03	0	0	0	0	36	0	0	0	0	16	0
2028-04	0	0	0	0	25	0	0	0	0	75	0
2028-05	10	55	0	0	19	39	0	0	10,058	187	0
2028-06	864	431	24,000	0	42,484	3,507	0	0	70,881	426	0
2028-07	42	70	0	0	473	172	0	0	331	572	0
2028-08	124	169	0	0	136	502	0	0	637	422	0
2028-09	506	1,360	0	0	6,198	2,056	0	0	9,909	222	0
2028-10	96	206	0	0	5,379	101	0	0	0	163	0
2028-11	0	0	0	0	354	0	0	0	0	34	0
2028-12	0	0	0	0	121	0	0	0	0	0	0
2029-01	0	0	0	0	63	0	0	0	0	0	0
2029-02	0	0	0	0	36	0	0	0	0	0	0
2029-03	0	0	0	0	28	0	0	0	0	8	0
2029-04	0	0	0	0	20	0	0	0	0	102	0
2029-05	20	858	0	0	19	80	0	0	10,924	134	0
2029-06	1,058	78	26,753	45,521	62,222	3,344	0	0	148,809	421	0
2029-07	524	328	0	56,314	1,274	2,127	0	0	63,280	684	0
2029-08	184	239	0	21,068	891	747	0	0	23,499	421	0
2029-09	202	444	0	23,524	1,001	819	0	0	26,657	202	0
2029-10	487	676	0	0	4,816	1,171	0	0	0	94	0
2029-11	0	27	0	0	1,045	0	0	0	0	29	0
2029-12	0	0	0	0	219	0	0	0	0	0	0
2030-01	0	0	0	0	102	0	0	0	0	0	0
2030-02	0	0	0	0	57	0	0	0	0	21	0
2030-03	0	0	0	0	43	0	0	0	0	2	0
2030-04	0	0	0	0	29	0	0	0	0	192	0
2030-05	0	30	0	0	22	0	0	0	10,001	176	0

Date	CP5 - Water Balance										
	Inflow						Outflow				
	Rain and Snowmelt	WRSF01 to CP5	TIRI01 to CP5	TIRI02 to CP5	CP5 Facilities Runoff	CP5 Bank Runoff	CP5 to CP7	CP5 to CP1	CP5 to WES03	Surface Evaporation	CP5 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2030-06	798	86	19,123	46,289	35,205	3,241	0	0	109,278	414	0
2030-07	326	669	0	15,223	1,010	1,324	0	0	21,051	523	0
2030-08	106	178	0	23,938	369	429	0	0	24,900	431	0
2030-09	152	212	0	22,543	223	617	0	0	23,970	208	0
2030-10	237	341	0	0	1,946	657	0	0	0	100	0
2030-11	0	5	0	0	589	0	0	0	0	21	0
2030-12	0	0	0	0	161	0	0	0	0	0	0
2031-01	0	0	0	0	80	0	0	0	0	0	0
2031-02	0	0	0	0	46	0	0	0	0	0	0
2031-03	0	0	0	0	36	0	0	0	0	17	0
2031-04	0	18	0	0	25	0	0	0	0	247	0
2031-05	292	375	0	0	22,671	1,185	0	0	34,337	244	0
2031-06	277	42	24,292	34,834	6,717	1,123	0	0	71,871	464	0
2031-07	227	229	931	15,906	430	921	0	0	19,016	558	0
2031-08	285	898	0	24,372	980	1,158	0	0	28,122	413	0
2031-09	465	2,505	4,253	30,785	8,452	1,889	0	0	49,835	205	0
2031-10	280	923	0	0	4,962	556	0	0	0	165	0
2031-11	0	4	0	0	675	0	0	0	0	16	0
2031-12	0	0	0	0	180	0	0	0	0	1	0
Closure (Yearly Forecast)											
2032	20,703	1,588	242,000	0	73,666	493	0	0	0	15,163	284,860
2033	21,280	1,953	242,000	0	70,100	197	0	0	0	19,016	317,124
2034	18,020	1,906	242,000	0	64,764	175	0	0	0	19,220	306,042
2035	22,555	3,680	242,000	0	78,543	219	0	0	0	19,000	325,812
2036	16,977	2,165	242,000	0	47,582	161	0	0	0	17,932	287,233
2037	17,380	1,826	242,000	0	48,698	159	0	0	0	18,517	290,051
2038	13,908	1,115	242,000	0	51,421	137	0	0	0	20,032	288,678
2039	22,459	1,663	242,000	0	93,171	205	0	0	0	18,581	339,673
2040	14,549	1,290	242,000	0	51,097	142	0	0	0	18,087	290,760
2041	18,939	3,336	242,000	0	67,402	171	0	0	0	18,040	310,247
2042	21,448	1,968	242,000	0	65,390	201	0	0	0	18,147	311,914
2043	15,646	3,349	242,000	0	58,299	143	0	0	0	20,105	299,548
2044	17,367	1,221	242,000	0	57,490	169	0	0	0	19,040	293,201
2045	12,840	1,511	242,000	0	51,972	113	0	0	0	17,266	289,690
2046	21,596	1,730	242,000	0	89,212	197	0	0	0	17,782	336,047
2047	16,113	1,822	242,000	0	60,259	154	0	0	0	19,191	296,742
2048	20,621	4,701	242,000	0	87,031	181	0	0	0	18,423	333,717
2049	19,553	2,270	242,000	0	75,445	184	0	0	0	19,128	318,242
2050	17,250	1,663	242,000	0	54,488	159	0	0	0	17,051	298,325

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	CP6 - Water Balance						
	Inflow				Outflow		
	Rain and Snowmelt	Natural Runoff	WRSF03 Snowmelt to CP6	WRSF03 Runoff	CP6 to CP1	Surface Evaporation	CP6 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)							
2020-01	0	504	0	0	0	0	0
2020-02	0	83	0	0	0	0	0
2020-03	0	36	0	0	0	0	0
2020-04	0	21	0	25	0	2	0
2020-05	0	14	0	2,271	0	15	0
2020-06	1,520	8,749	2,000	1,781	0	124	0
2020-07	226	218	0	2,474	17,053	216	0
2020-08	517	127	0	1,718	0	54	0
2020-09	1,620	4,175	0	6,319	10,350	57	0
2020-10	391	576	192	47	0	13	0
2020-11	0	144	0	149	0	1	0
2020-12	0	53	0	0	0	0	0
2021-01	0	24	0	0	0	0	0
2021-02	0	14	0	0	0	0	0
2021-03	0	11	0	0	0	1	0
2021-04	0	8	0	0	0	11	0
2021-05	54	6	124	51	0	48	0
2021-06	2,475	26,101	11,507	262	24,511	167	0
2021-07	629	1,300	0	731	10,000	202	0
2021-08	749	3,324	0	611	20,270	101	0
2021-09	380	1,024	0	5,517	3,737	24	0
2021-10	449	3,005	246	801	9,418	9	0
2021-11	7	404	34	68	4,020	1	0
2021-12	0	104	0	8	0	0	0
2022-01	0	56	0	0	0	0	0
2022-02	0	31	0	0	0	0	0
2022-03	0	23	0	0	0	0	0
2022-04	0	15	0	0	0	3	0
2022-05	66	1,333	1,052	107	0	20	0
2022-06	544	13,064	6,283	2,061	21,166	122	0
2022-07	212	1,597	0	1,837	0	117	0
2022-08	166	201	0	1,386	0	101	0
2022-09	305	2,997	0	5,010	8,767	53	0
2022-10	150	1,064	507	602	0	18	0
2022-11	0	200	0	0	0	1	0
2022-12	0	59	0	0	0	0	0
2023-01	0	29	0	0	0	0	0
2023-02	0	17	0	0	0	0	0
2023-03	0	13	0	0	0	0	0
2023-04	0	9	0	0	0	17	0
2023-05	289	5,666	5,697	70	5,039	127	0

Date	CP6 - Water Balance						
	Inflow				Outflow		
	Rain and Snowmelt	Natural Runoff	WRSF03 Snowmelt to CP6	WRSF03 Runoff	CP6 to CP1	Surface Evaporation	CP6 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2023-06	332	3,660	0	2,243	4,443	200	0
2023-07	104	129	0	960	1,370	263	0
2023-08	64	46	0	902	17,610	81	0
2023-09	76	35	0	571	1,429	17	0
2023-10	9	20	0	491	0	7	0
2023-11	0	12	0	11	0	1	0
2023-12	0	9	0	0	0	0	0
2024-01	0	6	0	0	0	0	0
2024-02	0	5	0	0	0	0	0
2024-03	0	4	0	0	0	0	0
2024-04	0	3	0	0	0	6	0
2024-05	140	4,837	3,141	1,431	0	32	0
2024-06	358	4,589	7,672	337	23,974	88	0
2024-07	94	114	0	784	1,138	45	0
2024-08	159	94	0	1,291	0	41	0
2024-09	673	7,179	0	3,384	11,820	28	0
2024-10	173	3,467	0	760	1,390	10	0
2024-11	0	168	0	155	0	2	0
2024-12	0	51	0	0	0	0	0
2025-01	0	25	0	0	0	0	0
2025-02	0	14	0	0	0	0	0
2025-03	0	11	0	0	0	0	0
2025-04	0	8	0	0	0	7	0
2025-05	249	11,270	5,838	39	0	65	0
2025-06	329	842	5,342	1,993	21,345	266	0
2025-07	356	1,219	0	2,371	2,197	159	0
2025-08	64	481	0	2,502	6,943	111	0
2025-09	89	141	0	6,060	16,934	25	0
2025-10	181	1,237	0	6,693	0	11	0
2025-11	40	288	327	35	0	3	0
2025-12	0	93	0	45	0	0	0
2026-01	0	44	0	0	0	0	0
2026-02	0	24	0	0	0	0	0
2026-03	0	18	0	35	0	5	0
2026-04	0	12	0	0	0	8	0
2026-05	46	77	1,077	6,846	0	60	0
2026-06	283	6,237	4,433	981	28,622	78	0
2026-07	287	456	0	5,223	5,923	41	0
2026-08	154	385	0	2,841	3,353	27	0
2026-09	282	432	314	11,698	12,978	14	0
2026-10	5	905	18	183	0	4	0
2026-11	0	72	0	0	0	1	0
2026-12	0	31	0	0	0	0	0

Date	CP6 - Water Balance						
	Inflow				Outflow		
	Rain and Snowmelt	Natural Runoff	WRSF03 Snowmelt to CP6	WRSF03 Runoff	CP6 to CP1	Surface Evaporation	CP6 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2027-01	0	17	0	0	0	0	0
2027-02	0	10	0	0	0	0	0
2027-03	0	8	0	0	0	1	0
2027-04	0	6	0	0	0	5	0
2027-05	35	90	547	8,021	0	35	0
2027-06	895	18,788	19,149	874	48,090	88	0
2027-07	128	157	0	1,331	1,576	40	0
2027-08	284	226	0	5,426	7,290	28	0
2027-09	234	1,230	0	8,749	11,295	14	0
2027-10	90	428	180	2,368	0	9	0
2027-11	30	132	269	465	0	2	0
2027-12	0	54	0	0	0	0	0
2028-01	0	28	0	0	0	0	0
2028-02	0	17	0	0	0	0	0
2028-03	0	13	0	0	0	1	0
2028-04	0	9	0	0	0	5	0
2028-05	8	7	0	448	0	29	0
2028-06	741	15,251	14,332	3,496	40,216	42	0
2028-07	36	170	0	571	740	37	0
2028-08	106	49	0	1,374	1,501	27	0
2028-09	435	2,225	36	11,030	13,903	15	0
2028-10	28	1,931	538	1,667	0	7	0
2028-11	0	127	0	2	0	2	0
2028-12	0	43	0	0	0	0	0
2029-01	0	22	0	0	0	0	0
2029-02	0	13	0	0	0	0	0
2029-03	0	10	0	0	0	0	0
2029-04	0	7	0	0	0	5	0
2029-05	17	7	377	6,957	0	27	0
2029-06	729	22,339	16,718	632	38,143	74	0
2029-07	450	457	5,008	2,662	20,872	83	0
2029-08	158	320	0	1,941	2,392	27	0
2029-09	173	359	0	3,596	4,115	13	0
2029-10	266	1,729	808	5,480	0	8	0
2029-11	0	375	0	217	0	2	0
2029-12	0	79	0	0	0	0	0
2030-01	0	37	0	0	0	0	0
2030-02	0	21	0	0	0	1	0
2030-03	0	15	0	0	0	0	0
2030-04	0	11	0	0	0	11	0
2030-05	0	8	0	247	0	43	0
2030-06	685	12,639	14,995	694	38,890	34	0
2030-07	280	363	0	5,422	6,030	34	0

Date	CP6 - Water Balance						
	Inflow				Outflow		
	Rain and Snowmelt	Natural Runoff	WRSF03 Snowmelt to CP6	WRSF03 Runoff	CP6 to CP1	Surface Evaporation	CP6 Pond Closure Overflow
	m3	m3	m3	m3	m3	m3	m3
2030-08	91	132	0	1,443	1,638	28	0
2030-09	130	80	0	1,716	1,913	14	0
2030-10	146	699	601	2,766	0	7	0
2030-11	0	211	0	38	0	1	0
2030-12	0	58	0	0	0	0	0
2031-01	0	29	0	0	0	0	0
2031-02	0	16	0	0	0	0	0
2031-03	0	13	0	0	0	1	0
2031-04	0	9	0	147	0	15	0
2031-05	250	8,140	4,962	3,037	0	57	0
2031-06	237	2,412	4,998	342	28,286	79	0
2031-07	195	154	0	1,857	2,170	36	0
2031-08	245	352	0	7,282	9,688	27	0
2031-09	399	3,034	0	20,309	25,181	14	0
2031-10	131	1,781	386	7,484	0	12	0
2031-11	0	242	0	33	0	1	0
2031-12	0	64	0	1	0	0	0
Closure (Yearly Forecast)							
2032	2,041	26,446	26,669	12,878	0	1,574	21,850
2033	2,040	25,166	18,755	15,837	0	2,141	58,661
2034	1,729	23,250	13,838	15,455	0	2,168	51,159
2035	2,164	28,198	22,479	29,838	0	2,144	79,550
2036	1,628	17,083	14,474	17,557	0	2,024	44,333
2037	1,666	17,484	17,471	14,804	0	2,084	47,071
2038	1,335	18,461	12,581	9,037	0	2,257	37,139
2039	2,152	33,449	22,461	13,482	0	2,094	69,012
2040	1,396	18,346	18,478	10,462	0	2,039	43,967
2041	1,814	24,197	26,239	27,047	0	2,030	71,178
2042	2,056	23,477	17,921	15,959	0	2,049	55,996
2043	1,499	20,929	17,184	27,155	0	2,264	58,240
2044	1,666	20,641	19,283	9,902	0	2,146	48,902
2045	1,230	18,659	15,991	12,254	0	1,945	41,282
2046	2,069	32,027	28,068	14,030	0	2,006	72,474
2047	1,545	21,634	15,076	14,775	0	2,161	48,886
2048	1,975	31,244	26,399	38,122	0	2,074	90,870
2049	1,875	27,084	21,609	18,405	0	2,156	62,508
2050	1,653	19,563	21,761	13,482	0	1,921	50,072

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	SP1 - Water Balance						
	Inflow					Outflow	
	TIRI01 to SP1	TIRI02 to SP1	TIRI UG to SP1	Pitwall Runoff	PUMP02 to SP1	SP1 Pump to RO	SP1 to SETP-WTC
	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)							
2020-01	0	0	0	0	0	0	0
2020-02	0	0	0	0	0	0	0
2020-03	0	0	0	0	0	0	0
2020-04	0	0	0	0	0	0	0
2020-05	0	0	0	0	0	0	0
2020-06	0	0	0	0	0	0	0
2020-07	0	0	0	0	0	0	0
2020-08	0	0	0	0	0	0	0
2020-09	0	0	0	0	0	0	0
2020-10	0	0	0	0	0	0	0
2020-11	0	0	0	0	0	0	0
2020-12	0	0	0	0	0	0	0
2021-01	0	0	0	0	0	0	0
2021-02	0	0	0	0	0	0	0
2021-03	0	0	0	0	0	0	0
2021-04	0	0	0	0	0	0	0
2021-05	0	0	0	0	0	0	0
2021-06	0	0	0	0	0	0	0
2021-07	0	0	0	0	0	0	0
2021-08	0	0	0	0	0	0	0
2021-09	0	0	0	0	0	0	0
2021-10	0	0	0	0	0	0	0
2021-11	112	0	0	0	0	0	0
2021-12	0	0	0	0	0	0	0
2022-01	0	0	0	0	0	0	0
2022-02	0	0	0	0	0	0	0
2022-03	0	0	0	0	0	0	0
2022-04	0	0	0	0	0	0	0
2022-05	0	0	0	0	0	0	0
2022-06	0	0	0	0	0	27	0
2022-07	0	0	0	0	0	4,101	0
2022-08	671	0	0	0	0	10,510	0
2022-09	2,778	0	0	0	0	6,763	0
2022-10	4,639	0	0	0	0	0	0
2022-11	0	0	0	0	0	0	0
2022-12	0	0	0	0	0	0	0
2023-01	0	0	0	0	0	0	0
2023-02	0	0	0	0	0	0	0
2023-03	0	0	0	0	0	0	0
2023-04	0	0	0	0	0	0	0
2023-05	0	17,767	0	0	0	0	0

Date	SP1 - Water Balance						
	Inflow					Outflow	
	TIRI01 to SP1	TIRI02 to SP1	TIRI UG to SP1	Pitwall Runoff	PUMP02 to SP1	SP1 Pump to RO	SP1 to SETP-WTC
	m3	m3	m3	m3	m3	m3	m3
2023-06	4,390	4,640	0	0	0	20,249	0
2023-07	0	0	0	0	0	6,681	0
2023-08	5,110	0	0	0	0	0	0
2023-09	7,990	0	0	0	0	0	0
2023-10	0	0	0	0	0	0	0
2023-11	0	0	0	0	0	0	0
2023-12	0	0	0	0	0	0	0
2024-01	0	0	0	0	0	0	0
2024-02	0	0	0	0	0	0	0
2024-03	0	0	0	0	0	0	0
2024-04	0	0	0	0	0	0	0
2024-05	698	11,550	0	0	0	0	0
2024-06	168	9,660	0	0	0	13,038	0
2024-07	190	0	0	0	0	0	0
2024-08	6,735	0	0	0	0	0	0
2024-09	8,440	0	0	0	0	0	0
2024-10	0	0	0	0	0	0	0
2024-11	0	0	0	0	0	0	0
2024-12	0	0	0	0	0	0	0
2025-01	0	0	0	0	0	0	0
2025-02	0	0	0	0	0	0	0
2025-03	0	0	0	0	0	0	0
2025-04	0	0	0	0	0	0	0
2025-05	0	5,743	0	0	0	237	0
2025-06	0	42,930	0	0	0	47,913	0
2025-07	889	4,741	0	0	0	21,999	0
2025-08	26,590	0	0	0	0	82	0
2025-09	250	0	0	0	0	0	0
2025-10	1,860	0	0	0	0	0	0
2025-11	0	0	0	0	0	0	0
2025-12	0	0	0	0	0	0	0
2026-01	0	0	0	0	0	0	0
2026-02	0	0	0	0	0	0	0
2026-03	0	0	0	0	0	0	0
2026-04	0	0	0	0	0	0	0
2026-05	0	3,485	0	0	0	3,485	0
2026-06	0	6,150	0	0	0	6,150	0
2026-07	9,532	6,355	0	0	0	6,355	0
2026-08	7,283	6,355	0	0	0	6,355	0
2026-09	9,490	5,945	0	0	0	5,945	0
2026-10	0	0	0	0	0	0	0
2026-11	0	0	0	0	0	0	0
2026-12	0	0	0	0	0	0	0

Date	SP1 - Water Balance						
	Inflow					Outflow	
	TIRI01 to SP1	TIRI02 to SP1	TIRI UG to SP1	Pitwall Runoff	PUMP02 to SP1	SP1 Pump to RO	SP1 to SETP-WTC
	m3	m3	m3	m3	m3	m3	m3
2027-01	0	0	0	0	0	0	0
2027-02	0	0	0	0	0	0	0
2027-03	0	0	0	0	0	0	0
2027-04	0	0	0	0	0	0	0
2027-05	0	3,485	0	0	0	3,485	0
2027-06	0	6,150	0	0	0	6,150	0
2027-07	0	205	0	0	0	205	0
2027-08	0	0	0	0	0	0	0
2027-09	0	0	0	0	0	0	0
2027-10	0	0	0	0	0	0	0
2027-11	0	0	0	0	0	0	0
2027-12	0	0	0	0	0	0	0
2028-01	0	0	0	0	0	0	0
2028-02	0	0	0	0	0	0	0
2028-03	0	0	0	0	0	0	0
2028-04	0	0	0	0	0	0	0
2028-05	0	0	0	0	0	0	0
2028-06	0	0	0	0	0	0	0
2028-07	0	0	0	0	0	0	0
2028-08	0	0	0	0	0	0	0
2028-09	0	0	0	0	0	0	0
2028-10	0	0	0	0	0	0	0
2028-11	0	0	0	0	0	0	0
2028-12	0	0	0	0	0	0	0
2029-01	0	0	0	0	0	0	0
2029-02	0	0	0	0	0	0	0
2029-03	0	0	0	0	0	0	0
2029-04	0	0	0	0	0	0	0
2029-05	0	0	14,950	0	0	0	14,950
2029-06	0	0	17,250	0	0	0	17,250
2029-07	0	0	17,825	0	0	0	17,825
2029-08	0	0	17,825	43,836	0	0	61,661
2029-09	0	0	17,250	6,180	0	0	23,431
2029-10	0	0	17,825	0	0	0	17,825
2029-11	0	0	17,250	0	0	0	17,250
2029-12	0	0	17,825	0	0	0	17,825
2030-01	0	0	17,825	0	0	0	17,825
2030-02	0	0	16,100	0	0	0	16,100
2030-03	0	0	17,825	0	0	0	17,825
2030-04	0	0	17,250	0	0	0	17,250
2030-05	0	0	17,825	0	0	0	17,825
2030-06	0	0	17,250	550	0	0	17,800
2030-07	0	0	17,825	336	0	0	18,161

Date	SP1 - Water Balance						
	Inflow					Outflow	
	TIRI01 to SP1	TIRI02 to SP1	TIRI UG to SP1	Pitwall Runoff	PUMP02 to SP1	SP1 Pump to RO	SP1 to SETP-WTC
	m3	m3	m3	m3	m3	m3	m3
2030-08	0	0	17,825	14,422	0	0	32,247
2030-09	0	0	17,250	2,685	0	0	19,935
2030-10	0	0	17,825	0	0	0	17,825
2030-11	0	0	17,250	0	0	0	17,250
2030-12	0	0	17,825	0	0	0	17,825
2031-01	0	0	17,050	0	0	0	17,050
2031-02	0	0	15,400	0	0	0	15,400
2031-03	0	0	17,050	0	0	0	17,050
2031-04	0	0	16,500	0	0	0	16,500
2031-05	0	0	17,050	0	0	0	17,050
2031-06	0	0	16,500	0	0	0	16,500
2031-07	0	0	17,050	0	0	0	17,050
2031-08	0	0	17,050	1,364	0	0	18,414
2031-09	0	0	16,500	2,617	0	0	19,117
2031-10	0	0	17,050	0	0	0	17,050
2031-11	0	0	16,500	0	0	0	16,500
2031-12	0	0	16,500	0	0	0	16,500
Closure (Yearly Forecast)							
2032	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	TIRI01 - Water Balance							
	Inflow			Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	TIRI01 to CP5	TIRI01 to SP1	TIRI01 to SW	Surface Evaporation	TIRI01 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)								
2020-01	0	170	0	0	0	0	0	0
2020-02	0	33	0	0	0	0	0	0
2020-03	0	17	0	0	0	0	0	0
2020-04	0	10	0	0	0	0	0	0
2020-05	0	7	0	0	0	0	0	0
2020-06	176	4,150	5,018	0	0	0	236	0
2020-07	57	103	760	0	0	0	525	0
2020-08	138	60	1,833	0	0	0	407	0
2020-09	468	1,980	5,923	0	0	0	194	0
2020-10	130	273	1,508	0	0	0	70	0
2020-11	0	68	0	0	0	0	3	0
2020-12	0	25	0	0	0	0	2	0
2021-01	0	13	0	0	0	0	1	0
2021-02	0	8	0	0	0	0	1	0
2021-03	0	6	0	0	0	0	4	0
2021-04	0	4	0	0	0	0	56	0
2021-05	30	3	333	0	0	0	240	0
2021-06	1,937	14,431	16,047	0	0	0	622	0
2021-07	592	719	4,445	0	0	0	873	0
2021-08	835	1,838	5,740	0	0	0	708	0
2021-09	566	566	3,212	0	0	0	420	0
2021-10	811	1,661	4,185	0	0	0	192	0
2021-11	15	223	78	112	112	0	27	0
2021-12	0	48	0	0	0	0	1	0
2022-01	0	23	0	0	0	0	0	0
2022-02	0	13	0	0	0	0	0	0
2022-03	0	10	0	0	0	0	10	0
2022-04	0	7	0	0	0	0	81	0
2022-05	184	597	926	0	0	0	597	0
2022-06	1,582	6,027	7,615	0	0	0	1,267	0
2022-07	630	759	2,957	0	0	0	1,490	0
2022-08	497	99	2,318	671	671	0	1,093	0
2022-09	917	1,520	4,254	2,778	2,778	0	542	0
2022-10	444	558	2,092	4,639	4,639	0	176	0
2022-11	0	109	0	0	0	0	10	0
2022-12	0	33	0	0	0	0	1	0
2023-01	0	17	0	0	0	0	2	0
2023-02	0	10	0	0	0	0	0	0
2023-03	0	8	0	0	0	0	0	0
2023-04	0	6	0	0	0	0	144	0
2023-05	853	3,322	4,755	6,162	0	0	784	0
2023-06	983	2,157	5,457	4,390	4,390	0	1,198	0
2023-07	306	76	1,710	0	0	0	1,396	0
2023-08	188	27	1,053	5,110	5,110	0	1,095	0

Date	TIRI01 - Water Balance							
	Inflow			Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	TIRI01 to CP5	TIRI01 to SP1	TIRI01 to SW	Surface Evaporation	TIRI01 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3
2023-09	196	21	1,272	7,990	7,990	0	436	0
2023-10	20	12	151	0	0	0	147	0
2023-11	0	7	0	0	0	0	18	0
2023-12	0	5	0	0	0	0	3	0
2024-01	0	1	0	0	0	0	2	0
2024-02	0	1	0	0	0	0	2	0
2024-03	0	1	0	0	0	0	6	0
2024-04	0	1	0	0	0	0	120	0
2024-05	313	1,156	3,759	698	698	0	499	0
2024-06	961	1,103	9,522	168	168	0	1,007	0
2024-07	263	28	2,496	190	190	0	1,586	0
2024-08	389	23	4,258	6,735	6,735	0	991	0
2024-09	1,587	1,754	18,004	8,440	8,440	0	427	0
2024-10	478	852	4,585	0	0	0	184	0
2024-11	0	42	0	0	0	0	30	0
2024-12	0	13	0	0	0	0	2	0
2025-01	0	6	0	0	0	0	1	0
2025-02	0	4	0	0	0	0	0	0
2025-03	0	3	0	0	0	0	0	0
2025-04	0	2	0	0	0	0	81	0
2025-05	696	2,904	6,612	5,680	0	0	535	0
2025-06	962	217	8,721	6,035	0	0	1,172	0
2025-07	1,025	314	9,426	10,946	889	0	1,339	0
2025-08	131	124	1,735	4,750	26,590	0	806	0
2025-09	167	36	2,407	0	250	0	330	0
2025-10	345	319	4,871	520	1,860	0	125	0
2025-11	78	74	1,086	0	0	0	21	0
2025-12	0	24	0	0	0	0	2	0
2026-01	0	11	0	0	0	0	0	0
2026-02	0	6	0	0	0	0	1	0
2026-03	0	4	0	0	0	0	32	0
2026-04	0	3	0	0	0	0	51	0
2026-05	89	18	1,581	0	0	0	338	0
2026-06	463	1,484	9,824	67,234	0	0	405	0
2026-07	0	109	10,182	669	9,532	0	0	0
2026-08	0	92	5,466	0	7,283	0	0	0
2026-09	0	103	10,000	0	9,490	0	0	0
2026-10	0	215	189	0	0	0	0	0
2026-11	0	17	0	0	0	0	0	0
2026-12	0	7	0	0	0	0	0	0
2027-01	0	4	0	0	0	0	0	0
2027-02	0	2	0	0	0	0	0	0
2027-03	0	2	0	0	0	0	0	0
2027-04	0	1	0	0	0	0	0	0
2027-05	0	21	1,248	0	0	0	0	0
2027-06	71	4,469	31,734	31,292	0	0	162	0

Date	TIRI01 - Water Balance							
	Inflow			Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	TIRI01 to CP5	TIRI01 to SP1	TIRI01 to SW	Surface Evaporation	TIRI01 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3
2027-07	132	37	4,469	0	0	0	526	0
2027-08	333	54	9,913	0	0	0	433	0
2027-09	350	293	8,120	0	0	0	268	0
2027-10	150	102	3,123	0	0	0	107	0
2027-11	51	31	1,035	0	0	0	21	0
2027-12	0	13	0	0	0	0	0	0
2028-01	0	7	0	0	0	0	0	0
2028-02	0	4	0	0	0	0	1	0
2028-03	0	3	0	0	0	0	11	0
2028-04	0	2	0	0	0	0	51	0
2028-05	14	2	285	0	0	0	272	0
2028-06	499	3,628	26,072	24,000	0	39,414	224	0
2028-07	0	40	1,294	0	0	1,334	0	0
2028-08	0	12	3,767	0	0	4,733	0	0
2028-09	0	529	15,430	0	0	15,960	0	0
2028-10	0	459	999	0	0	0	0	0
2028-11	0	30	0	0	0	0	0	0
2028-12	0	10	0	0	0	0	0	0
2029-01	0	5	0	0	0	0	0	0
2029-02	0	3	0	0	0	0	0	0
2029-03	0	2	0	0	0	0	0	0
2029-04	0	2	0	0	0	0	0	0
2029-05	0	2	601	0	0	0	0	0
2029-06	0	5,314	25,887	26,753	0	7,400	0	0
2029-07	19	109	15,959	0	0	13,842	5	0
2029-08	0	76	5,606	0	0	6,676	0	0
2029-09	0	85	6,147	0	0	6,231	0	0
2029-10	0	411	9,452	0	0	0	5	0
2029-11	0	89	0	0	0	0	5	0
2029-12	0	19	0	0	0	0	0	0
2030-01	0	9	0	0	0	0	0	0
2030-02	0	5	0	0	0	0	3	0
2030-03	0	4	0	0	0	0	0	0
2030-04	0	3	0	0	0	0	29	0
2030-05	0	2	0	0	0	0	105	0
2030-06	0	3,007	24,333	19,123	0	16,587	6	0
2030-07	0	86	9,939	0	0	10,628	0	0
2030-08	0	31	3,219	0	0	3,185	0	0
2030-09	0	19	4,627	0	0	4,648	0	0
2030-10	17	166	5,173	0	0	0	9	0
2030-11	0	50	0	0	0	0	4	0
2030-12	0	14	0	0	0	0	0	0
2031-01	0	7	0	0	0	0	0	0
2031-02	0	4	0	0	0	0	0	0
2031-03	0	3	0	0	0	0	3	0
2031-04	0	2	0	0	0	0	44	0

Date	TIRI01 - Water Balance							
	Inflow			Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	TIRI01 to CP5	TIRI01 to SP1	TIRI01 to SW	Surface Evaporation	TIRI01 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3
2031-05	252	1,936	8,769	0	0	0	161	0
2031-06	161	574	8,353	24,292	0	29	70	0
2031-07	0	37	6,913	931	0	5,530	0	0
2031-08	0	84	8,692	0	0	9,326	0	0
2031-09	0	722	14,182	4,253	0	10,651	0	0
2031-10	11	424	4,644	0	0	0	11	0
2031-11	0	58	0	0	0	0	2	0
2031-12	0	15	0	0	0	0	0	0
Closure (Yearly Forecast)								
2032	9,931	6,292	67,512	242,000	0	0	8,714	0
2033	27,105	5,987	58,876	242,000	0	0	23,632	0
2034	33,712	5,531	44,536	242,000	0	0	35,521	0
2035	53,576	6,708	50,049	242,000	0	0	43,853	0
2036	47,675	4,064	33,971	242,000	0	0	50,387	0
2037	55,200	4,160	31,545	242,000	0	0	58,651	0
2038	56,491	4,392	19,145	242,000	0	0	81,911	0
2039	102,710	7,958	25,068	242,000	0	0	85,761	0
2040	69,657	4,364	14,737	242,000	0	0	86,579	91,019
2041	90,308	5,757	19,277	242,000	0	0	86,081	0
2042	102,152	5,585	21,940	242,000	0	0	86,714	0
2043	74,590	4,979	15,946	242,000	0	0	95,967	0
2044	82,772	4,910	17,776	242,000	0	0	90,864	0
2045	60,991	4,439	13,166	242,000	0	0	82,177	0
2046	102,684	7,619	22,142	242,000	0	0	84,800	0
2047	76,857	5,146	16,449	242,000	0	0	91,597	0
2048	98,365	7,434	20,934	242,000	0	0	87,981	44,107
2049	93,458	6,444	19,845	242,000	0	0	91,518	62,624
2050	82,348	4,654	17,537	242,000	0	0	81,439	0

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	TIRI02 - Water Balance														
	Inflow										Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	Pit Runoff Directed to TIRI02	TIRI UG to TIRI02	TIRI UG Storage to TIRI02	SETP Sludge to TIRI02	RO Brine to TIRI02	EWTP Sludge to TIRI02	CP5 to TIRI02 (closure)	TIRI02 to CP1	TIRI02 to SP1	TIRI02 to WES02	Surface Evaporation	TIRI02 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)															
2020-01	0	605	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-02	0	119	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-03	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-04	0	35	0	0	0	0	0	0	0	0	0	0	0	1	0
2020-05	0	24	0	0	0	0	0	0	0	0	0	0	0	4	0
2020-06	37	14,793	2,860	0	0	0	0	0	1,147	0	0	0	0	45	0
2020-07	11	368	440	0	0	0	0	0	1,678	0	0	0	0	97	0
2020-08	28	215	1,058	0	0	0	0	0	1,293	0	0	0	0	82	0
2020-09	112	7,058	3,416	0	0	0	0	0	1,387	0	0	0	0	50	0
2020-10	36	974	869	0	0	0	0	0	195	0	0	0	0	19	0
2020-11	0	243	0	0	0	0	0	0	0	0	0	0	0	1	0
2020-12	0	89	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-01	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-02	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-03	0	22	0	0	0	0	0	0	0	0	0	0	0	1	0
2021-04	0	15	0	0	0	0	0	0	0	0	0	0	0	15	0
2021-05	8	12	192	0	0	0	0	0	0	0	0	0	0	66	0
2021-06	911	51,434	9,137	0	0	0	0	0	0	11,606	0	0	0	272	0
2021-07	332	2,562	2,508	0	0	0	0	0	715	0	0	0	0	488	0
2021-08	882	6,549	3,030	0	6,019	130,000	0	0	1,025	0	0	0	0	681	0
2021-09	564	2,018	1,689	0	5,726	0	0	0	1,094	0	0	0	0	418	0
2021-10	773	5,921	2,202	0	6,174	0	0	0	723	0	0	0	0	183	0
2021-11	21	797	38	0	3,267	0	0	0	0	0	0	0	0	36	0
2021-12	0	170	0	0	3,439	0	0	0	0	0	0	0	0	2	0
2022-01	0	80	0	0	4,780	0	0	0	0	0	0	0	0	0	0
2022-02	0	45	0	0	3,905	0	0	0	0	0	0	0	0	0	0
2022-03	0	35	0	0	3,842	0	0	0	0	0	0	0	0	14	0
2022-04	0	24	0	0	4,179	0	0	0	0	0	0	0	0	116	0
2022-05	266	2,128	441	0	4,580	0	0	0	0	0	0	0	0	863	0
2022-06	2,310	21,482	3,584	0	7,050	0	0	1	0	0	0	0	0	1,858	0
2022-07	936	2,707	1,376	0	7,581	0	0	597	1,474	0	0	0	0	2,215	0
2022-08	755	352	1,069	0	8,394	0	0	1,552	453	0	0	0	0	1,656	0
2022-09	1,419	5,418	1,947	0	9,931	0	0	1,061	1,175	0	0	0	0	840	0
2022-10	720	1,989	944	0	7,578	0	0	0	0	0	0	0	0	285	0
2022-11	0	387	0	0	3,680	0	0	0	0	0	0	0	0	16	0
2022-12	0	117	0	0	3,472	0	0	0	0	0	0	0	0	2	0
2023-01	0	60	0	0	1,589	0	0	0	0	0	0	0	0	3	0
2023-02	0	35	0	0	3,069	0	0	0	0	0	0	0	0	0	0
2023-03	0	27	0	0	3,684	0	0	0	0	0	0	0	0	0	0
2023-04	0	20	0	0	5,284	0	0	0	0	0	0	0	0	247	0
2023-05	1,486	11,840	1,778	0	4,654	0	0	0	0	0	0	17,767	0	1,362	0
2023-06	1,694	7,688	2,047	0	5,616	0	0	3,030	578	0	0	4,640	0	2,085	0
2023-07	545	272	634	0	9,184	0	0	901	773	0	0	0	0	2,485	0
2023-08	341	97	388	0	7,987	0	0	0	202	0	0	0	0	1,977	0
2023-09	411	74	461	0	7,948	0	0	0	876	0	0	0	0	976	0
2023-10	49	43	54	0	8,378	0	0	0	44	0	0	0	0	365	0
2023-11	0	26	0	0	8,446	0	0	0	0	0	0	0	0	45	0
2023-12	0	19	0	0	7,593	0	0	0	0	0	0	0	0	7	0
2024-01	0	14	0	0	8,275	0	0	0	0	0	0	0	0	5	0
2024-02	0	10	0	0	8,514	0	0	0	0	0	0	0	0	5	0
2024-03	0	9	0	0	7,386	0	0	0	0	0	0	0	0	17	0
2024-04	0	7	0	0	6,636	0	0	0	0	0	0	0	0	322	0
2024-05	836	10,775	804	0	9,116	0	0	0	0	0	0	11,550	0	1,352	0
2024-06	2,165	10,277	2,039	0	10,374	0	0	1,952	694	0	0	9,660	0	2,251	0
2024-07	582	256	529	0	11,334	0	0	4	447	0	0	0	0	3,503	0
2024-08	1,004	213	888	0	12,339	0	0	0	0	0	0	0	0	2,512	0
2024-09	4,378	16,338	3,678	0	13,059	0	0	0	1,188	0	0	0	0	1,147	0
2024-10	1,166	7,935	923	0	12,695	0	0	0	575	0	0	0	0	450	0
2024-11	0	387	0	0	9,677	0	0	0	0	0	0	0	0	78	0
2024-12	0	117	0	0	7,015	0	0	0	0	0	0	0	0	5	0
2025-01	0	58	0	0	7,000	0	0	0	0	0	0	0	0	3	0
2025-02	0	33	0	0	6,301	0	0	0	0	0	0	0	0	0	0
2025-03	0	25	0	0	4,546	0	0	0	0	0	0	0	0	0	0
2025-04	0	18	0	0	7,044	0	0	0	0	0	0	0	0	220	0
2025-05	1,943	26,145	1,201	0	8,159	0	0	30	0	0	0	5,743	0	1,477	0
2025-06	2,622	1,954	1,562	0	8,367	0	0	5,978	768	0	0	42,930	0	3,146	0
2025-07	2,771	2,827	1,717	0	12,005	0	0	3,557	1,108	0	0	4,741	0	3,606	0
2025-08	512	1,117	306	0	13,664	0	0	508	1,222	0	0	0	0	2,862	0
2025-09	719	326	418	0	11,777	0	0	459	1,332	0	0	0	0	1,419	0
2025-10	1,475	2,869	837	0	12,580	0	0	0	449	0	0	0	0	535	0
2025-11	334	667	184	0	9,380	0	0	0	0	0	0	0	0	90	0
2025-12	0	216	0	0	11,385	0	0	0	0	0	0	0	0	10	0
2026-01	0	106	0	0	16,275	0	0	0	0	0	0	0	0	1	0
2026-02	0	57	0	0	14,700	0	0	0	0	0	0	0	0	2	0
2026-03	0	43	0	0	16,275	0	0	0	0	0	0	0	0	149	0
2026-04	0	28	0	0	15,750	0	0	0	0	0	0	0	0	236	0
2026-05	420	182	255	0	16,275	0	0	492	0	0	0	3,485	0	1,590	0
2026-06	2,632	14,796	1,558	0	15,750	0	0	923	521	0	0	6,150	0	3,605	0
2026-07	2,720	1,082	1,550	0	16,275	0	0	953	927	0	0	6,355	0	5,133	0
2026-08	1,493	913	816	20,169	16,275	0	0	953	746	0	0	6,355	0	3,488	0
2026-09	2,785	1,024	1,465	4,094	15,750	0	0	923	155	0	0	5,945	0	1,707	0
2026-10	53	2,148	27	0	16,275	0	0	0	110	0	0	0	0	473	0
2026-11	0	171	0	0	15,750	0	0	0	0	0	0	0	0	64	0
2026-12	0	74	0	0	16,275	0	0	0	0	0	0	0	0	5	0

Date	TIRI02 - Water Balance															
	Inflow										Outflow					
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	Pit Runoff Directed to TIRI02	TIRI UG to TIRI02	TIRI UG Storage to TIRI02	SETP Sludge to TIRI02	RO Brine to TIRI02	EWTP Sludge to TIRI02	CP5 to TIRI02 (closure)	TIRI02 to CP1	TIRI02 to SP1	TIRI02 to WES02	Surface Evaporation	TIRI02 Closure Overflow	
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	
2027-01	0	41	0	0	17,050	0	0	0	0	0	0	0	0	3	0	
2027-02	0	25	0	0	15,400	0	0	0	0	0	0	0	0	4	0	
2027-03	0	20	0	0	17,050	0	0	0	0	0	0	0	0	124	0	
2027-04	0	14	0	0	16,500	0	0	0	0	0	0	0	0	540	0	
2027-05	391	213	161	0	17,050	0	0	492	0	0	0	3,485	0	2,213	0	
2027-06	10,311	44,570	3,925	0	16,500	0	0	923	832	0	0	6,150	0	4,924	0	
2027-07	1,453	372	570	0	17,050	0	9,860	62	1,410	0	0	205	90,000	6,061	0	
2027-08	3,133	537	1,314	37,200	17,050	0	9,172	0	774	0	0	0	93,000	4,101	0	
2027-09	2,546	2,918	1,098	36,000	16,500	0	10,440	0	0	0	0	0	90,000	1,937	0	
2027-10	962	1,016	433	0	17,050	0	0	0	0	0	0	0	93,000	669	0	
2027-11	299	314	153	0	16,500	0	0	0	0	0	0	0	90,000	121	0	
2027-12	0	128	0	0	17,050	0	0	0	0	0	0	0	93,000	1	0	
2028-01	0	67	0	0	17,050	0	0	0	0	0	0	0	93,000	0	0	
2028-02	0	40	0	0	15,950	0	0	0	0	0	0	0	87,000	7	0	
2028-03	0	31	0	0	17,050	0	0	0	0	0	0	0	93,000	43	0	
2028-04	0	21	0	0	16,500	0	0	0	0	0	0	0	90,000	191	0	
2028-05	45	16	61	0	17,050	0	0	0	0	0	0	0	93,000	900	0	
2028-06	4,295	36,181	5,376	95,036	16,500	0	0	0	793	0	0	0	90,000	2,118	0	
2028-07	211	403	264	17,219	17,050	0	10,335	0	1,304	0	0	0	93,000	2,802	0	
2028-08	558	116	797	7,773	17,050	0	12,174	0	1,217	0	0	0	93,000	1,906	0	
2028-09	2,095	5,278	3,363	40,419	16,500	0	10,984	0	316	0	0	0	90,000	927	0	
2028-10	130	4,581	220	0	17,050	0	0	0	300	0	0	0	93,000	251	0	
2028-11	0	302	0	0	16,500	0	0	0	0	0	0	0	90,000	35	0	
2028-12	0	103	0	0	17,050	0	0	0	0	0	0	0	93,000	0	0	
2029-01	0	53	0	0	17,825	0	0	0	0	0	0	0	93,000	0	0	
2029-02	0	31	0	0	16,100	0	0	0	0	0	0	0	84,000	0	0	
2029-03	0	24	0	0	17,825	0	0	0	0	0	0	0	93,000	3	0	
2029-04	0	17	0	0	17,250	0	0	0	0	0	0	0	90,000	11	0	
2029-05	3	16	170	0	2,875	0	0	0	0	0	0	0	15,000	21	0	
2029-06	188	52,992	7,305	0	0	0	0	0	469	0	45,521	0	0	52	0	
2029-07	88	1,085	4,519	0	0	0	8,611	0	1,116	0	56,314	0	0	88	0	
2029-08	3	759	1,601	0	0	0	11,772	0	1,177	0	21,068	0	0	7	0	
2029-09	3	852	1,755	0	0	0	12,006	0	1,201	0	23,524	0	0	3	0	
2029-10	8	4,102	2,697	0	0	0	0	0	397	0	0	0	0	2	0	
2029-11	0	890	0	0	0	0	0	0	0	0	0	0	0	0	0	
2029-12	0	187	0	0	0	0	0	0	0	0	0	0	0	0	0	
2030-01	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	
2030-02	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	
2030-03	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	
2030-04	0	25	0	0	0	0	0	0	0	0	0	0	0	3	0	
2030-05	0	19	0	0	0	0	0	0	0	0	0	0	0	12	0	
2030-06	30	29,981	6,939	0	0	0	0	0	391	0	46,289	0	0	13	0	
2030-07	5	860	2,838	0	0	0	8,741	0	1,190	0	15,223	0	0	8	0	
2030-08	2	314	919	0	0	0	10,335	0	1,033	0	23,938	0	0	7	0	
2030-09	2	190	1,322	0	0	0	11,310	0	99	0	22,543	0	0	3	0	
2030-10	4	1,657	1,479	0	0	0	0	0	0	0	0	0	0	2	0	
2030-11	0	501	0	0	0	0	0	0	0	0	0	0	0	0	0	
2030-12	0	137	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031-01	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031-02	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031-03	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031-04	0	21	0	0	0	0	0	0	0	0	0	0	0	4	0	
2031-05	27	19,308	2,529	0	0	0	0	0	0	0	0	0	0	15	0	
2031-06	49	5,721	2,386	0	0	0	0	0	818	0	34,834	0	0	33	0	
2031-07	4	366	1,974	0	0	0	10,363	0	1,215	0	15,906	0	0	9	0	
2031-08	4	835	2,482	0	0	0	9,642	0	0	0	24,372	0	0	7	0	
2031-09	7	7,198	4,050	0	0	0	9,250	0	277	0	30,785	0	0	3	0	
2031-10	5	4,226	1,326	0	0	0	0	0	100	0	0	0	0	3	0	
2031-11	0	575	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031-12	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	
Closure (Yearly Forecast)																
2032	4,185	62,734	18,623	0	0	0	31,570	0	0	224,615	0	0	0	3,703	0	
2033	15,101	59,700	13,151	0	0	0	0	0	0	244,318	0	0	0	13,050	0	
2034	21,287	55,155	6,903	0	0	0	0	0	0	221,538	0	0	0	22,263	33,077	
2035	31,102	66,889	6,410	0	0	0	0	0	0	261,978	0	0	0	26,249	337,943	
2036	23,400	40,522	4,822	0	0	0	0	0	0	213,170	0	0	0	24,782	249,445	
2037	23,941	41,474	4,933	0	0	0	0	0	0	217,981	0	0	0	25,512	259,568	
2038	19,182	43,792	3,953	0	0	0	0	0	0	189,651	0	0	0	27,643	226,354	
2039	30,936	79,350	6,374	0	0	0	0	0	0	251,304	0	0	0	25,637	342,932	
2040	20,064	43,518	4,135	0	0	0	0	0	0	218,420	0	0	0	24,961	260,043	
2041	26,082	57,402	5,374	0	0	0	0	0	0	202,846	0	0	0	24,861	265,119	
2042	29,557	55,688	6,091	0	0	0	0	0	0	190,450	0	0	0	25,087	253,935	
2043	21,550	49,649	4,442	0	0	0	0	0	0	218,907	0	0	0	27,727	260,678	
2044	23,948	48,961	4,935	0	0	0	0	0	0	237,742	0	0	0	26,285	287,361	
2045	17,675	44,262	3,642	0	0	0	0	0	0	177,012	0	0	0	23,822	212,694	
2046	29,747	75,975	6,129	0	0	0	0	0	0	229,964	0	0	0	24,563	314,361	
2047	22,214	51,318	4,578	0	0	0	0	0	0	221,842	0	0	0	26,468	269,737	
2048	28,386	74,117	5,848	0	0	0	0	0	0	212,003	0	0	0	25,400	290,894	
2049	26,949	64,253	5,554	0	0	0	0	0	0	213,726	0	0	0	26,402	281,532	
2050	23,766	46,405	4,897	0	0	0	0	0	0	204,337	0	0	0	23,515	253,603	

Table 2: Forecasted inflow and outflow volume (average precipitation year)

Date	WES02 - Water Balance												
	Inflow								Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	Saline Storage to WES02	TIRI01 to WES02 (Closure)	TIRI02 to WES02 (Closure)	WES04 to WES02 (Closure)	WES02 fill (Closure)	WES02 to CP5	WES02 SETP-WTC	WES02 to UG	Surface Evaporation	WES02 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
Operations (Monthly Forecast)													
2020-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-05	0	0	0	0	0	0	0	0	0	0	0	1	0
2020-06	2	0	0	0	0	0	0	0	0	0	0	2	0
2020-07	0	0	0	0	0	0	0	0	0	0	0	2	0
2020-08	1	0	0	0	0	0	0	0	0	0	0	2	0
2020-09	2	0	0	0	0	0	0	0	0	0	0	1	0
2020-10	1	0	0	0	0	0	0	0	0	0	0	0	0
2020-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2020-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-05	0	0	0	0	0	0	0	0	0	0	0	1	0
2021-06	6	0	0	0	0	0	0	0	0	0	0	2	0
2021-07	2	0	0	0	0	0	0	0	0	0	0	2	0
2021-08	2	0	0	0	0	0	0	0	0	0	0	2	0
2021-09	1	0	0	0	0	0	0	0	0	0	0	1	0
2021-10	2	0	0	0	0	0	0	0	0	0	0	0	0
2021-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2021-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-05	0	0	0	0	0	0	0	0	0	0	0	1	0
2022-06	3	0	0	0	0	0	0	0	0	0	0	2	0
2022-07	1	0	0	0	0	0	0	0	0	0	0	3	0
2022-08	1	0	0	0	0	0	0	0	0	0	0	2	0
2022-09	2	0	0	0	0	0	0	0	0	0	0	1	0
2022-10	1	0	0	0	0	0	0	0	0	0	0	0	0
2022-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2022-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-05	1	0	0	0	0	0	0	0	0	0	0	1	0
2023-06	2	0	0	0	0	0	0	0	0	0	0	2	0
2023-07	1	0	0	0	0	0	0	0	0	0	0	2	0
2023-08	0	0	0	0	0	0	0	0	0	0	0	2	0
2023-09	0	0	0	0	0	0	0	0	0	0	0	1	0
2023-10	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2023-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-05	1	0	0	0	0	0	0	0	0	0	0	1	0
2024-06	2	0	0	0	0	0	0	0	0	0	0	2	0
2024-07	0	0	0	0	0	0	0	0	0	0	0	3	0
2024-08	1	0	0	0	0	0	0	0	0	0	0	2	0
2024-09	3	0	0	0	0	0	0	0	0	0	0	1	0
2024-10	1	0	0	0	0	0	0	0	0	0	0	0	0
2024-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2024-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-05	1	0	0	0	0	0	0	0	0	0	0	1	0
2025-06	2	0	0	0	0	0	0	0	0	0	0	2	0
2025-07	2	0	0	0	0	0	0	0	0	0	0	2	0
2025-08	0	0	0	0	0	0	0	0	0	0	0	2	0
2025-09	0	0	0	0	0	0	0	0	0	0	0	1	0
2025-10	1	0	0	0	0	0	0	0	0	0	0	0	0
2025-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-12	0	0	0	0	0	0	0	0	0	0	0	0	0
2026-01	0	0	0	0	0	0	0	0	0	0	0	0	0

Date	WES02 - Water Balance												
	Inflow								Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	Saline Storage to WES02	TIRI01 to WES02 (Closure)	TIRI02 to WES02 (Closure)	WES04 to WES02 (Closure)	WES02 fill (Closure)	WES02 to CP5	WES02 SETP-WTC	WES02 to UG	Surface Evaporation	WES02 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2026-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2026-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2026-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2026-05	0	0	0	0	0	0	0	0	0	0	0	1	0
2026-06	1	0	0	0	0	0	0	0	0	0	0	2	0
2026-07	1	0	0	0	0	0	0	0	0	0	0	3	0
2026-08	1	0	0	0	0	0	0	0	0	0	0	2	0
2026-09	1	0	0	0	0	0	0	0	0	0	0	1	0
2026-10	0	1,886	44	0	0	0	0	0	0	0	0	3	0
2026-11	0	150	0	0	0	0	0	0	0	0	0	1	0
2026-12	0	65	0	0	0	0	0	0	0	0	0	0	0
2027-01	0	36	0	0	0	0	0	0	0	0	0	0	0
2027-02	0	22	0	0	0	0	0	0	0	0	0	0	0
2027-03	0	17	0	0	0	0	0	0	0	0	0	1	0
2027-04	0	12	0	0	0	0	0	0	0	0	0	6	0
2027-05	4	187	289	0	0	0	0	0	0	0	0	23	0
2027-06	749	39,138	7,045	0	0	0	0	0	10,000	0	0	352	0
2027-07	127	326	996	87,000	0	0	0	0	2,000	100,000	0	552	0
2027-08	129	471	2,289	93,000	0	0	0	0	0	122,084	0	193	0
2027-09	1	2,563	1,937	90,000	0	0	0	0	0	91,444	0	1	0
2027-10	53	892	720	93,000	0	0	0	0	0	0	0	60	0
2027-11	57	276	219	90,000	0	0	0	0	0	0	0	25	0
2027-12	0	112	0	93,000	0	0	0	0	0	0	0	0	0
2028-01	0	59	0	93,000	0	0	0	0	0	0	0	0	0
2028-02	0	35	0	87,000	0	0	0	0	0	0	0	5	0
2028-03	0	27	0	93,000	0	0	0	0	0	0	0	40	0
2028-04	0	19	0	90,000	0	0	0	0	0	0	0	192	0
2028-05	67	14	35	93,000	0	0	0	0	0	0	0	1,230	0
2028-06	7,133	31,774	2,581	90,000	0	0	0	0	0	0	0	3,555	0
2028-07	390	354	107	93,000	0	0	0	0	0	150,000	0	5,156	0
2028-08	939	102	410	93,000	0	0	0	0	0	186,000	0	3,202	0
2028-09	2,946	4,635	2,131	90,000	0	0	0	0	0	174,000	0	1,364	0
2028-10	206	4,022	130	93,000	0	0	0	0	0	0	0	378	0
2028-11	0	265	0	90,000	0	0	0	0	0	0	0	75	0
2028-12	0	90	0	93,000	0	0	0	0	0	0	0	1	0
2029-01	0	47	0	93,000	0	0	0	0	0	0	0	0	0
2029-02	0	27	0	84,000	0	0	0	0	0	0	0	0	0
2029-03	0	21	0	93,000	0	0	0	0	0	0	0	24	0
2029-04	0	15	0	90,000	0	0	0	0	0	0	0	316	0
2029-05	223	14	29	32,375	0	0	0	0	0	0	0	1,472	0
2029-06	9,801	46,535	1,145	17,250	0	0	0	0	0	0	0	4,247	0
2029-07	5,944	953	757	17,825	0	0	0	0	0	200,000	0	7,766	0
2029-08	1,915	666	352	58,129	0	0	0	0	0	248,000	0	4,382	0
2029-09	1,968	748	451	22,822	0	0	0	0	0	232,000	0	1,940	0
2029-10	2,562	3,602	926	17,830	0	0	0	0	0	0	0	516	0
2029-11	0	782	0	17,250	0	0	0	0	0	0	0	63	0
2029-12	0	164	0	17,825	0	0	0	0	0	0	0	0	0
2030-01	0	47	0	17,825	0	0	0	0	0	0	0	0	0
2030-02	0	26	0	16,100	0	0	0	0	0	0	0	47	0
2030-03	0	20	0	17,825	0	0	0	0	0	0	0	5	0
2030-04	0	13	0	17,250	0	0	0	0	0	0	0	441	0
2030-05	0	10	0	17,825	0	0	0	0	0	0	0	1,655	0
2030-06	7,957	16,015	1,704	17,750	0	0	0	0	0	0	0	4,122	0
2030-07	3,239	459	702	18,111	0	0	0	0	0	75,000	0	5,206	0
2030-08	1,017	168	243	31,594	0	0	0	0	0	93,000	0	4,155	0
2030-09	1,261	102	451	19,740	0	0	0	0	0	87,000	0	1,783	0
2030-10	1,378	885	521	17,842	0	0	0	0	0	0	0	589	0
2030-11	0	268	0	17,250	0	0	0	0	0	0	0	74	0
2030-12	0	73	0	17,825	0	0	0	0	0	0	0	1	0
2031-01	0	36	0	17,075	0	0	0	0	0	0	0	1	0
2031-02	0	21	0	15,400	0	0	0	0	0	0	0	1	0
2031-03	0	16	0	17,050	0	0	0	0	0	0	0	63	0
2031-04	0	11	0	16,500	0	0	0	0	0	0	0	934	0
2031-05	2,876	10,314	639	17,050	0	0	0	0	0	0	0	2,342	0
2031-06	2,740	3,056	599	16,500	0	0	0	0	0	0	0	4,605	0
2031-07	2,225	195	502	17,050	0	0	0	0	0	75,000	0	5,513	0
2031-08	2,540	446	760	18,240	0	0	0	0	0	93,000	0	3,768	0
2031-09	3,681	3,845	1,472	19,059	0	0	0	0	0	87,000	0	1,644	0
2031-10	1,148	2,258	512	17,069	0	0	0	0	0	0	0	531	0
2031-11	0	307	0	16,500	0	0	0	0	0	0	0	34	0
2031-12	0	82	0	17,050	0	0	0	0	0	0	3,000	1	0
Closure (Yearly Forecast)													
2032	3,921	33,514	14,966	0	0	0	0	219,600	0	0	803,254	3,469	0
2033	11,411	31,891	11,209	0	0	0	0	219,600	0	0	0	10,110	0
2034	12,814	29,464	7,930	0	0	35,362	0	219,600	0	0	0	12,986	0
2035	27,024	35,730	4,432	0	0	330,196	0	219,600	0	0	0	22,258	0

Date	WES02 - Water Balance												
	Inflow								Outflow				
	Rain and Snowmelt	Natural Runoff	Pitwall Runoff	Saline Storage to WES02	TIRI01 to WES02 (Closure)	TIRI02 to WES02 (Closure)	WES04 to WES02 (Closure)	WES02 fill (Closure)	WES02 to CP5	WES02 SETP-WTC	WES02 to UG	Surface Evaporation	WES02 Closure Overflow
	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3	m3
2036	23,775	21,648	1,612	0	0	253,429	0	14,400	0	0	0	25,158	240,412
2037	24,374	22,155	1,625	0	0	260,572	0	0	0	0	0	25,973	279,874
2038	19,530	23,392	1,302	0	0	233,259	81	0	0	0	0	28,145	247,489
2039	31,495	42,388	2,099	0	0	324,600	27,646	0	0	0	0	26,102	401,995
2040	20,426	23,247	1,362	0	91,019	250,927	8,794	0	0	0	0	25,414	369,184
2041	26,552	30,663	1,770	0	0	253,524	11,166	0	0	0	0	25,311	299,086
2042	30,092	29,748	2,006	0	0	249,029	4,293	0	0	0	0	25,542	286,703
2043	21,941	26,522	1,463	0	0	250,795	11,607	0	0	0	0	28,231	282,598
2044	24,381	26,153	1,626	0	0	281,398	7,776	0	0	0	0	26,761	314,351
2045	17,994	23,645	1,199	0	0	212,041	2,465	0	0	0	0	24,254	229,688
2046	30,285	40,584	2,019	0	0	295,287	11,877	0	0	0	0	25,008	356,457
2047	22,615	27,415	1,508	0	0	261,363	8,160	0	0	0	0	26,948	291,240
2048	28,896	39,593	1,926	0	44,107	265,588	15,245	0	0	0	0	25,860	365,164
2049	27,437	34,324	1,829	0	62,624	265,911	16,518	0	0	0	0	26,881	377,854
2050	24,198	24,789	1,613	0	0	250,333	7,717	0	0	0	0	23,942	286,127

Table 3: WBWQM forecasted mean annual concentrations and observed mean annual concentration changes between 2020 and 2025, at the end-of-pipe treatment location MEL-14 (treated CP1 water)

Year	TDS				Total Ammonia (NH3-N)			
	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration
	mg/L	%	mg/L	mg/L	mg/L	%	mg/L	mg/L
2020	1,744		342	3,500	3.60		0.8	14
2021	1,470	-16	1,134	3,500	0.86	-76	3.0	14
2022	1,321	-10	1,403	3,500	0.34	-61	4.1	14
2023	1,281	-3	1,664	3,500	0.31	-9	4.5	14
2024	1,375	7	1,241	3,500	0.86	182	3.4	14
2025	1,031	-25	1,511	3,500	0.33	-62	3.9	14
2026			1,484	3,500			3.6	14
2027			915	3,500			2.3	14
2028			631	3,500			1.0	14
2029			786	3,500			1.1	14
2030			937	3,500			1.2	14
2031			1,033	3,500			1.2	14

Year-Over-Year change greater than 20%

Table 3: WBWQM forecasted mean annual concentrations and observed mean annual concentration changes between 2020 and 2025, at the end-of-pipe treatment location MEL-14 (treated CP1 water)

Year	Total Phosphorous (P)				Total Aluminum (Al)			
	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration
	mg/L	%	mg/L	mg/L	mg/L	%	mg/L	mg/L
2020	0.033		0.39	2	0.56		0.943	2.0
2021	0.032	-3	0.92	2	0.39	-31	0.947	2.0
2022	0.028	-10	1.07	2	0.37	-4	0.948	2.0
2023	0.035	23	1.04	2	0.36	-2	0.948	2.0
2024	0.032	-10	1.03	2	0.48	31	0.947	2.0
2025	0.028	-10	0.44	2	0.76	61	0.948	2.0
2026			0.47	2			0.949	2.0
2027			0.32	2			0.949	2.0
2028			0.06	2			0.948	3.0
2029			0.06	2			0.948	4.0
2030			0.06	2			0.949	5.0
2031			0.06	2			0.949	6.0

Year-Over-Year change greater than 20%

Table 3: WBWQM forecasted mean annual concentrations and observed mean annual concentration changes between 2020 and 2025, at the end-of-pipe treatment location MEL-14 (treated CP1 water)

Year	Total Arsenic (As)				Total Cyanide (CN)			
	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration
	mg/L	%	mg/L	mg/L	mg/L	%	mg/L	mg/L
2020	0.015		0.008	0.3	0.0062		0.0003	0.5
2021	0.005	-70	0.028	0.3	0.0050	-19	0.0021	0.5
2022	0.005	9	0.033	0.3	0.0015	-71	0.0031	0.5
2023	0.005	-2	0.038	0.3	0.0011	-23	0.0036	0.5
2024	0.008	72	0.037	0.3	0.0022	100	0.0029	0.5
2025	0.010	15	0.024	0.3	0.0014	-39	0.0039	0.5
2026			0.029	0.3			0.0036	0.5
2027			0.022	0.3			0.0026	0.5
2028			0.018	0.3			0.0012	0.5
2029			0.017	0.3			0.0012	0.5
2030			0.018	0.3			0.0012	0.5
2031			0.016	0.3			0.0012	0.5

Year-Over-Year change greater than 20%

Table 3: WBWQM forecasted mean annual concentrations and observed mean annual concentration changes between 2020 and 2025, at the end-of-pipe treatment location MEL-14 (treated CP1 water)

Year	Total Copper (Cu)				Total Lead (Pb)			
	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration
	mg/L	%	mg/L	mg/L	mg/L	%	mg/L	mg/L
2020	0.0020		0.0018	0.2	0.0005		0.0001	0.1
2021	0.0020	-3	0.0031	0.2	0.0003	-44	0.0002	0.1
2022	0.0025	28	0.0034	0.2	0.0002	-17	0.0003	0.1
2023	0.0024	-4	0.0036	0.2	0.0002	10	0.0003	0.1
2024	0.0022	-8	0.0032	0.2	0.0002	2	0.0003	0.1
2025	0.0023	3	0.0035	0.2	0.0002	-14	0.0003	0.1
2026			0.0039	0.2			0.0003	0.1
2027			0.0031	0.2			0.0003	0.1
2028			0.0025	0.2			0.0004	0.1
2029			0.0026	0.2			0.0004	0.1
2030			0.0028	0.2			0.0004	0.1
2031			0.0029	0.2			0.0004	0.1

Year-Over-Year change greater than 20%

Table 3: WBWQM forecasted mean annual concentrations and observed mean annual concentration changes between 2020 and 2025, at the end-of-pipe treatment location MEL-14 (treated CP1 water)

Year	Total Nickel (Ni)				Total Zinc (Zn)			
	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration	Observed Mean Annual Concentration	YOY Change	Forecasted Mean Annual Concentration	Maximum Authorized Monthly Mean Concentration
	mg/L	%	mg/L	mg/L	mg/L	%	mg/L	mg/L
2020	0.0065		0.005	0.5	0.012		0.002	0.4
2021	0.0058	-11	0.013	0.5	0.008	-36	0.004	0.4
2022	0.0045	-23	0.016	0.5	0.006	-27	0.005	0.4
2023	0.0046	2	0.020	0.5	0.006	6	0.005	0.4
2024	0.0063	37	0.015	0.5	0.007	8	0.004	0.4
2025	0.0046	-27	0.021	0.5	0.006	-12	0.004	0.4
2026			0.023	0.5			0.004	0.4
2027			0.015	0.5			0.004	0.4
2028							0.003	0.4
2029							0.004	0.4
2030							0.004	0.4
2031							0.004	0.4

Year-Over-Year change greater than 20%

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	TIRI02					
	TDS		Ammonia (NH3-N)		Radium (Ra226)	
	Observed	Forecasted	Observed	Forecasted	Observed	Forecasted
	mg/L	mg/L	mg/L	mg/L	bq/L	bq/L
Operations (Monthly Average)						
2020-01						
2020-02						
2020-03						
2020-04						
2020-05						
2020-06		303		0.11		0.0000
2020-07		406		0.15		0.0000
2020-08		444		0.16		0.0000
2020-09		605		0.22		0.0000
2020-10		626		0.23		0.0000
2020-11		632		0.23		0.0000
2020-12		630		0.23		0.0000
2021-01		629		0.23		0.0000
2021-02		629		0.23		0.0000
2021-03		628		0.23		0.0000
2021-04		628		0.23		0.0000
2021-05		630		0.23		0.0000
2021-06		596		0.36		0.0000
2021-07	1,605	709	8.80	0.64		0.0000
2021-08	6,040	24,778	16.00	72.54		0.1276
2021-09	15,900	29,604	39.00	87.22		0.1536
2021-10	22,900	29,272	56.00	86.49		0.1524
2021-11		29,699		87.92		0.1549
2021-12	28,105	29,875	63.25	88.54	0.3208	0.1560
2022-01		30,070		89.36		0.1574
2022-02		30,236		90.15		0.1588
2022-03		30,384		90.85		0.1601
2022-04	29,838	30,544	74.48	91.60	0.2454	0.1614
2022-05		30,737		92.47		0.1629
2022-06		29,441		88.89		0.1566
2022-07	27,453	29,287	70.87	88.81	0.2227	0.1565
2022-08		29,359		89.46		0.1577
2022-09	25,030	29,253	65.16	89.58	0.2985	0.1579
2022-10		29,266		90.05		0.1587
2022-11		29,372		90.65		0.1598
2022-12	25,675	29,465	74.73	91.07	0.2826	0.1605
2023-01		29,559		91.49		0.1613
2023-02		29,615		91.74		0.1617
2023-03	29,836	29,740	75.07	92.29	0.3455	0.1627

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	TIRI02					
	TDS		Ammonia (NH3-N)		Radium (Ra226)	
	Observed	Forecasted	Observed	Forecasted	Observed	Forecasted
	mg/L	mg/L	mg/L	mg/L	bq/L	bq/L
2023-04		29,880		92.89		0.1638
2023-05		29,808		92.84		0.1638
2023-06	27,094	30,270	78.09	94.43	0.175	0.1667
2023-07		30,800		96.35		0.1702
2023-08		31,127		97.68		0.1726
2023-09	28,421	31,322	73.30	98.56	0.2936	0.1742
2023-10		31,528		99.48		0.1759
2023-11		31,754		100.47		0.1777
2023-12		31,958		101.36		0.1793
2024-01		32,163		102.13		0.1810
2024-02	31,680	32,375	85.95	102.79	0.2775	0.1827
2024-03		32,547		103.34		0.1840
2024-04		32,730		103.91		0.1855
2024-05		32,964		104.64		0.1872
2024-06	30,597	33,279	75.71	105.60	0.2053	0.1895
2024-07		33,676		106.83		0.1922
2024-08		33,990		107.81		0.1946
2024-09	29,709	33,862	71.07	107.38	0.2894	0.1944
2024-10		32,706		103.66		0.1882
2024-11		31,337		99.32		0.1808
2024-12		31,489		99.79		0.1819
2025-01		31,632		99.87		0.1830
2025-02		31,770		99.58		0.1840
2025-03	32,644	31,881	81.22	99.34	0.2484	0.1849
2025-04		31,999		99.11		0.1858
2025-05		32,077		98.60		0.1864
2025-06		32,387		98.77		0.1885
2025-07	32,291	34,515	81.50	104.22	0.2331	0.2014
2025-08		34,897		104.12		0.2041
2025-09	34,787	35,191	82.93	103.79	0.2255	0.2062
2025-10		35,209		102.75		0.2067
2025-11		35,295		102.08		0.2074
2025-12		35,417		101.65		0.2084
2026-01		35,637		100.90		0.2101
2026-02		35,875		100.04		0.2119
2026-03		36,106		99.22		0.2137
2026-04		36,345		98.41		0.2155
2026-05		36,595		97.69		0.2173
2026-06		36,285		95.57		0.2158
2026-07		36,570		95.07		0.2178

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	TIRI02					
	TDS		Ammonia (NH3-N)		Radium (Ra226)	
	Observed	Forecasted	Observed	Forecasted	Observed	Forecasted
	mg/L	mg/L	mg/L	mg/L	bq/L	bq/L
2026-08		36,760		93.74		0.2179
2026-09		36,719		91.69		0.2161
2026-10		36,766		90.48		0.2161
2026-11		36,908		89.79		0.2173
2026-12		37,082		89.21		0.2187
2027-01		37,264		88.60		0.2201
2027-02		37,438		87.99		0.2214
2027-03		37,609		87.40		0.2228
2027-04		37,788		86.82		0.2241
2027-05		37,974		86.29		0.2255
2027-06		37,377		84.05		0.2223
2027-07		37,190		82.75		0.2214
2027-08		36,642		80.25		0.2174
2027-09		35,733		76.57		0.2101
2027-10		35,355		74.54		0.2073
2027-11		35,529		73.99		0.2087
2027-12		35,749		73.49		0.2104
2028-01		36,022		73.04		0.2125
2028-02		36,335		72.64		0.2148
2028-03		36,671		72.22		0.2172
2028-04		37,043		71.78		0.2200
2028-05		37,340		71.09		0.2223
2028-06		34,634		63.32		0.2021
2028-07		32,728		56.76		0.1852
2028-08		31,570		52.53		0.1757
2028-09		30,385		48.46		0.1662
2028-10		30,151		46.78		0.1649
2028-11		30,806		46.77		0.1700
2028-12		31,618		46.87		0.1762
2029-01		32,630		47.03		0.1838
2029-02		33,822		47.24		0.1927
2029-03		35,310		47.50		0.2038
2029-04		37,452		47.86		0.2198
2029-05		38,645		46.37		0.2311
2029-06		20,373		22.51		0.1184
2029-07		11,963		11.87		0.0668
2029-08		4,607		3.80		0.0218
2029-09		3,119		2.23		0.0133
2029-10		3,037		2.27		0.0138
2029-11		3,061		2.31		0.0140

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	TIRI02					
	TDS		Ammonia (NH3-N)		Radium (Ra226)	
	Observed	Forecasted	Observed	Forecasted	Observed	Forecasted
	mg/L	mg/L	mg/L	mg/L	bq/L	bq/L
2029-12		3,025		2.28		0.0139
2030-01		3,008		2.27		0.0138
2030-02		2,999		2.27		0.0138
2030-03		2,994		2.26		0.0138
2030-04		2,990		2.26		0.0138
2030-05		2,747		2.05		0.0123
2030-06		1,310		0.85		0.0044
2030-07		516		0.24		0.0006
2030-08		306		0.11		0.0000
2030-09		303		0.11		0.0000
2030-10		531		0.20		0.0000
2030-11		563		0.21		0.0000
2030-12		548		0.20		0.0000
2031-01		539		0.20		0.0000
2031-02		535		0.20		0.0000
2031-03		532		0.20		0.0000
2031-04		530		0.20		0.0000
2031-05		540		0.20		0.0000
2031-06		490		0.17		0.0000
2031-07		380		0.13		0.0000
2031-08		286		0.10		0.0000
2031-09		282		0.10		0.0000
2031-10		488		0.17		0.0000
2031-11		518		0.18		0.0000
2031-12		503		0.18		0.0000
Closure (Yearly Average)						
2032		299		0.13		0.0000
2033		144		0.07		0.0000
2034		131		0.06		0.0000
2035		123		0.06		0.0000
2036		122		0.06		0.0000
2037		120		0.07		0.0000
2038		118		0.07		0.0000
2039		117		0.08		0.0000
2040		115		0.08		0.0000
2041		114		0.08		0.0000
2042		114		0.09		0.0000
2043		115		0.09		0.0000
2044		116		0.09		0.0000
2045		117		0.10		0.0000

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	TIRI02					
	TDS		Ammonia (NH3-N)		Radium (Ra226)	
	Observed	Forecasted	Observed	Forecasted	Observed	Forecasted
	mg/L	mg/L	mg/L	mg/L	bq/L	bq/L
2046		120		0.10		0.0000
2047		122		0.10		0.0000
2048		125		0.10		0.0000
2049		127		0.10		0.0000
2050		131		0.11		0.0000

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	WES02		
	TDS	Ammonia (NH3-N)	Radium (Ra226)
	Forecasted	Forecasted	Forecasted
	mg/L	mg/L	bq/L
Operations (Monthly Average)			
2020-01			
2020-02			
2020-03			
2020-04			
2020-05			
2020-06			
2020-07			
2020-08			
2020-09			
2020-10			
2020-11			
2020-12			
2021-01			
2021-02			
2021-03			
2021-04			
2021-05			
2021-06			
2021-07			
2021-08			
2021-09			
2021-10			
2021-11			
2021-12			
2022-01			
2022-02			
2022-03			
2022-04			
2022-05			
2022-06			
2022-07			
2022-08			
2022-09			
2022-10			
2022-11			
2022-12			
2023-01			
2023-02			

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	WES02		
	TDS	Ammonia (NH3-N)	Radium (Ra226)
	Forecasted	Forecasted	Forecasted
	mg/L	mg/L	bq/L
2023-03			
2023-04			
2023-05			
2023-06			
2023-07			
2023-08			
2023-09			
2023-10			
2023-11			
2023-12			
2024-01			
2024-02			
2024-03			
2024-04			
2024-05			
2024-06			
2024-07			
2024-08			
2024-09			
2024-10			
2024-11			
2024-12			
2025-01			
2025-02			
2025-03			
2025-04			
2025-05			
2025-06			
2025-07			
2025-08			
2025-09			
2025-10			
2025-11			
2025-12			
2026-01			
2026-02			
2026-03			
2026-04			
2026-05			

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	WES02		
	TDS	Ammonia (NH3-N)	Radium (Ra226)
	Forecasted	Forecasted	Forecasted
	mg/L	mg/L	bq/L
2026-06			
2026-07			
2026-08			
2026-09			
2026-10	2,296	0.38	0.0000
2026-11	2,045	0.36	0.0000
2026-12	1,901	0.34	0.0000
2027-01	1,843	0.34	0.0000
2027-02	1,813	0.33	0.0000
2027-03	1,794	0.33	0.0000
2027-04	1,782	0.33	0.0000
2027-05	1,852	0.33	0.0000
2027-06	1,297	0.20	0.0000
2027-07	21,128	45.65	0.1218
2027-08	34,575	75.52	0.2041
2027-09	34,398	73.49	0.2014
2027-10	33,886	71.50	0.1981
2027-11	34,558	72.58	0.2025
2027-12	34,937	72.96	0.2050
2028-01	35,195	73.03	0.2067
2028-02	35,401	72.98	0.2082
2028-03	35,594	72.89	0.2096
2028-04	35,792	72.77	0.2110
2028-05	35,917	72.47	0.2119
2028-06	34,583	69.16	0.2040
2028-07	34,097	67.41	0.2005
2028-08	33,903	66.05	0.1984
2028-09	33,440	63.96	0.1944
2028-10	32,836	61.48	0.1895
2028-11	32,504	59.66	0.1866
2028-12	32,358	58.30	0.1851
2029-01	32,329	57.21	0.1846
2029-02	32,399	56.36	0.1849
2029-03	32,563	55.67	0.1859
2029-04	32,843	55.09	0.1878
2029-05	33,177	54.64	0.1901
2029-06	32,569	52.88	0.1869
2029-07	32,435	51.96	0.1860
2029-08	32,599	51.37	0.1864

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	WES02		
	TDS	Ammonia (NH3-N)	Radium (Ra226)
	Forecasted	Forecasted	Forecasted
	mg/L	mg/L	bq/L
2029-09	32,617	50.32	0.1851
2029-10	32,779	49.75	0.1858
2029-11	33,145	49.69	0.1886
2029-12	33,543	49.71	0.1915
2030-01	33,939	49.72	0.1945
2030-02	34,303	49.73	0.1972
2030-03	34,656	49.74	0.1998
2030-04	35,017	49.76	0.2025
2030-05	35,347	49.76	0.2050
2030-06	34,997	48.72	0.2030
2030-07	35,295	48.49	0.2043
2030-08	35,536	47.95	0.2045
2030-09	35,493	46.91	0.2022
2030-10	35,665	46.53	0.2028
2030-11	35,985	46.55	0.2053
2030-12	36,322	46.61	0.2079
2031-01	36,650	46.66	0.2104
2031-02	36,945	46.67	0.2127
2031-03	37,232	46.69	0.2149
2031-04	37,527	46.71	0.2171
2031-05	37,791	46.70	0.2192
2031-06	37,343	45.76	0.2167
2031-07	37,598	45.59	0.2178
2031-08	38,028	45.68	0.2202
2031-09	38,358	45.56	0.2217
2031-10	38,600	45.41	0.2231
2031-11	38,867	45.41	0.2252
2031-12	39,145	45.43	0.2274
Closure (Yearly Average)			
2032	16,983	19.34	0.0971
2033	356	0.03	0.0000
2034	334	0.03	0.0000
2035	282	0.03	0.0000
2036	229	0.03	0.0000
2037	209	0.04	0.0000
2038	195	0.05	0.0000
2039	185	0.05	0.0000
2040	174	0.06	0.0000
2041	165	0.07	0.0000

Table 4: Observed versus forecasted concentration in Saline Storage Ponds

Date	WES02		
	TDS	Ammonia (NH3-N)	Radium (Ra226)
	Forecasted	Forecasted	Forecasted
	mg/L	mg/L	bq/L
2042	160	0.07	0.0000
2043	157	0.07	0.0000
2044	155	0.08	0.0000
2045	153	0.08	0.0000
2046	153	0.08	0.0000
2047	153	0.09	0.0000
2048	154	0.09	0.0000
2049	155	0.09	0.0000
2050	157	0.10	0.0000