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PROJECT 13-1365-0007

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LAKE N11 WATER BALANCE – DRAFT – RESPONSE TO MVLWB COMMENT #15

The water balance for Lake N11 during the construction, operation and closure phases, including flow augmentation associated with the downstream flow mitigation plan (three out of every four years), of the Gahcho Kué Project is provided in the table below (Table 1).

DRAFT



Table 1. Lake N11 Water Balance

Project Phase	Inflows					Outflows				
	Runoff from Lake N16	Runoff from Local Watershed	Kennady Lake Drawdown	Direct Precipitation	Total	Lake Evaporation	Kennady Lake Refilling	Flow Mitigation	Outflow to Lake N1	Total
Baseline	7,720,000	11,000,000	-	1,530,000	20,200,000	1,540,000	-	-	18,600,000	20,200,000
Construction	7,720,000	11,000,000	12,800,000	1,530,000	33,100,000	1,540,000	-	-	31,500,000	33,000,000
Construction + Flow Augmentation	7,720,000	11,000,000	12,800,000	1,530,000	33,100,000	1,540,000	-	1,440,000	30,000,000	33,000,000
Operations	8,530,000	11,000,000	3,810,000	1,530,000	24,800,000	1,540,000	-	-	23,200,000	24,800,000
Operations + Flow Augmentation	8,530,000	11,000,000	3,810,000	1,530,000	24,800,000	1,540,000	-	1,440,000	21,800,000	24,800,000
Closure	7,720,000	11,000,000	-	1,530,000	20,200,000	1,540,000	3,680,000	-	14,900,000	20,200,000
Closure + Flow Augmentation	7,720,000	11,000,000	-	1,530,000	20,200,000	1,540,000	3,680,000	1,440,000	13,500,000	20,200,000

Note: All volumes are m³/y (cubic metres per year)