

Appendix C.15

**Updated Time Series Data From Thor Lake Watershed Water/Solids Balance. Report
NB11-00154**

MEMORANDUM

To: Mr. David Swisher Date: March 23, 2011
Copy To: Bill Mercer, Rick Hoos, Brian Delaney, File No.: NB101-390/2-A.01
Kevin Hawton
From: Michelle Liu Cont. No.: NB11-00154
Re: Updated Time Series Data From Thor Lake Watershed Water/Solids Balance

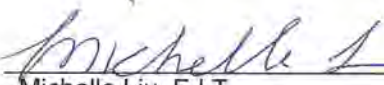
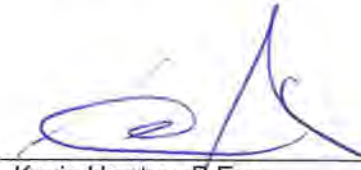
This memo presents a monthly time series breakdown of the recently completed Water/Solids Balance analysis for the Thor Lake watershed. The Thor Lake Project site is located in the Thor Lake watershed area (estimated 2100 ha) which drains into a larger watershed area (estimated 6700 ha) downstream before flowing into Great Slave Lake as shown. Sub-catchment areas within the Thor Lake watershed have been identified based on available imagery and mapping, as shown on Figure 1.

This memo supersedes the previously issued Time Series Data From Thor Lake Watershed Water/Solids Balance memo (Cont. No. NB11-00021, Rev 0).

An analysis of the affected watershed areas has been completed for the Avalon Rare Metals Inc. (Avalon) Thor Lake Project. These water balance analyses have been previously presented in Knight Piésold Ltd. (KPL) Memos "Thor Lake Project - (Updated) Feasibility Study Water/Solids Balance Analysis Results" Cont. No. NB11-00148 and "Updated Thor Lake Project Watershed Flow Review and Water Management Plan" Cont. No. NB11-00132. Flow sheets were developed for the pre-production, operations and post-production conditions, as shown on Figures 2, 3, and 4 respectively.

As requested, estimated monthly discharge volumes between watersheds for 5th percentile (dry), average conditions and 95th percentile (wet) flows are provided on Table 1 for the pre-production, operating, and post-production periods. Estimated net upstream runoff for each watershed, on a monthly basis, has also been included.

We trust that this provides you with the information that you require at this time. Should you have any questions or comments, feel free to contact us.

Signed:  Approved: 
Michelle Liu, E.I.T. Kevin Hawton, P.Eng.
Civil Engineering Senior Engineer

Attachments:

Table 1 Rev 0 Summary of Estimated Flows for the Thor Lake Watershed - Pre Production, Operations and Post Production
Figure 1 Rev 0 Estimated Project Site Watershed Areas
Figure 2 Rev 0 Annual Watershed Flowsheet Pre-Production
Figure 3 Rev 0 Annual Watershed Flowsheet Mine Operations
Figure 4 Rev 0 Annual Watershed Flowsheet Post-Production

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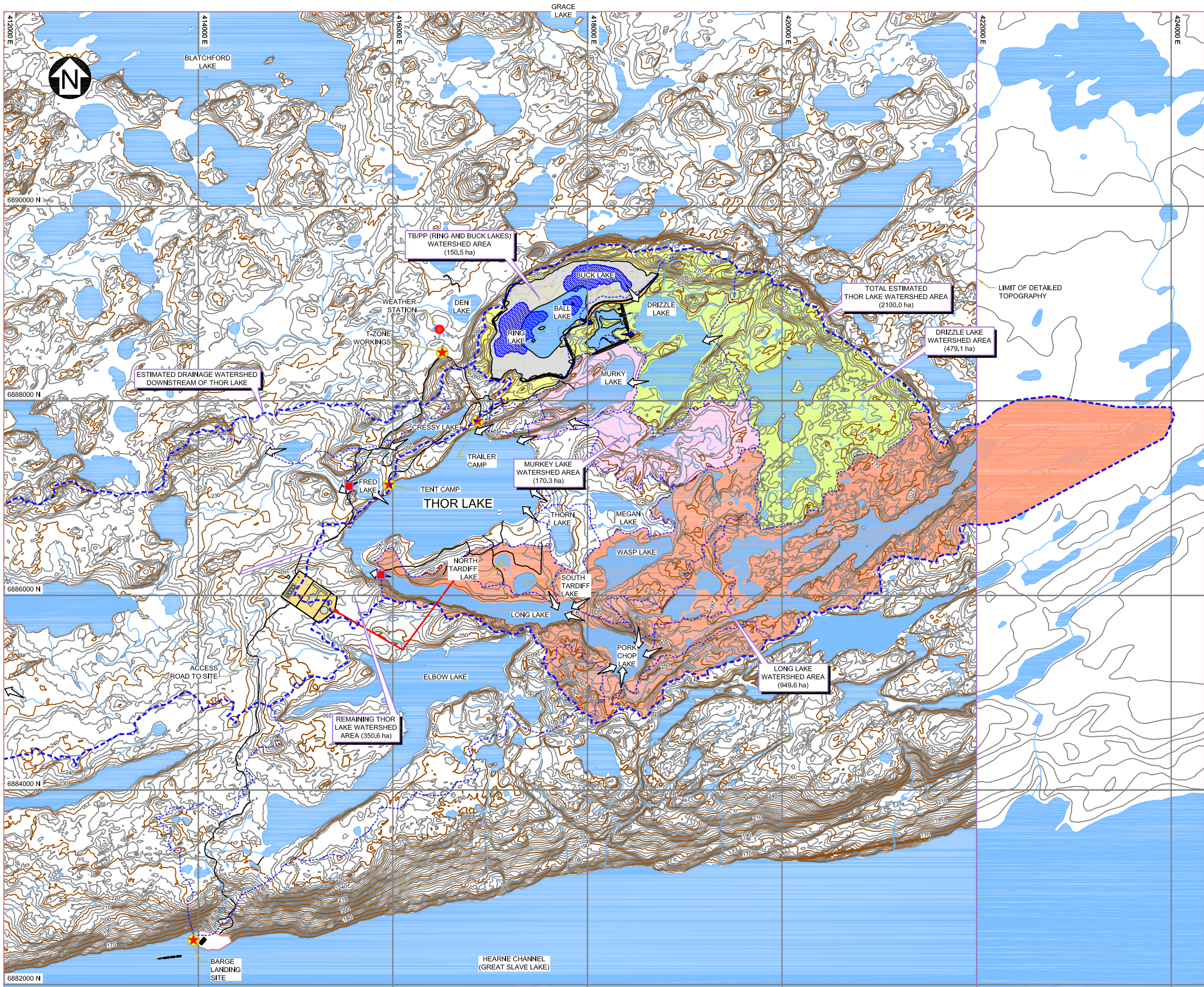
TABLE 1
AVALON RARE METALS INC.
THOR LAKE PROJECT
SUMMARY OF ESTIMATED FLOWS FOR THE THOR LAKE WATERSHED
PRE-PRODUCTION, OPERATIONS AND POST-PRODUCTION

Year	Month	TMF Discharge to Drizzle Lake			Drizzle Lake Net Upstream Runoff			Drizzle Lake Discharge to Murky Lake			Murky Lake Net Upstream Runoff			Murky Lake Discharge to Thor Lake			Long Lake Discharge to Thor Lake			Thor Lake Net Upstream Runoff			Thor Lake Discharge to Fred Lake		
		50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)	50th (m³)	Average (m³)	95th (m³)
PRE-PRODUCTION	January	1,069	1,583	2,243	4,099	6,607	6,075	2,167	5,586	10,890	1,519	2,258	3,189	6,686	9,908	14,039	6,573	9,741	13,801	2,400	3,557	3,557	15,658	23,206	32,724
	February	395	547	1,791	4,294	2,850	2,186	3,489	5,240	10,890	1,519	2,258	3,189	6,686	9,908	14,039	6,573	9,741	13,801	2,400	3,557	3,557	15,658	23,206	32,724
	March	5,292	6,203	7,263	24,005	32,942	28,138	29,298	34,342	40,205	8,894	10,453	12,206	38,192	44,767	52,411	32,570	38,177	44,695	11,892	13,939	13,939	82,654	96,883	92,660
	April	22,825	26,357	30,328	94,868	128,899	110,888	117,693	137,245	159,227	34,693	40,603	47,302	152,387	177,874	206,529	140,469	162,204	186,641	51,289	59,226	59,226	344,145	399,304	405,639
	May	23,664	27,978	33,319	17,640	37,902	26,005	42,304	54,504	70,620	4,925	8,891	12,210	85,969	98,575	112,824	145,630	172,181	205,046	53,174	62,868	62,868	245,032	287,634	292,634
	June	15,550	16,965	17,887	15,523	19,256	15,000	17,072	21,663	26,690	-1,913	-611	-788	15,180	21,041	27,488	95,695	102,558	110,081	34,941	37,447	37,447	145,796	161,046	194,530
	July	13,698	14,550	15,433	4,710	12,240	8,406	18,408	22,966	27,674	-1,140	-230	-1,650	17,267	23,185	29,324	84,298	89,541	94,979	30,780	32,694	32,694	132,345	145,420	171,161
	August	12,415	13,115	13,815	32,293	40,509	36,402	44,708	49,517	54,324	9,825	11,346	12,869	54,533	60,865	67,193	76,405	80,713	85,019	27,898	29,471	29,471	158,836	171,048	150,430
	September	10,228	11,296	12,600	39,128	51,984	44,683	49,357	55,969	64,184	13,728	15,813	18,343	63,085	71,758	82,528	62,947	69,456	77,542	22,984	25,360	25,360	149,015	166,572	171,128
	October	8,742	10,000	11,357	45,914	59,648	52,523	54,655	62,524	71,095	17,012	19,464	22,101	71,667	81,994	93,106	53,799	61,544	69,893	19,644	22,472	22,472	145,110	166,005	178,267
	November	3,620	4,603	5,758	18,060	28,732	22,967	21,679	27,570	34,490	6,691	8,550	10,646	28,371	36,079	45,136	22,275	28,328	35,438	8,133	10,343	10,343	58,779	74,750	77,949
	December	651	873	1,143	2,708	4,754	3,631	3,360	4,505	5,897	1,003	1,345	1,761	4,363	5,850	7,669	4,009	5,375	7,036	1,464	1,962	1,962	9,638	13,187	0
YEAR 1	January	0	0	0	4,105	6,075	8,691	4,138	6,075	8,624	1,519	2,258	3,189	5,626	8,327	11,912	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0
	February	0	0	0	1,796	2,859	4,296	1,784	2,859	4,278	1,664	1,067	1,591	2,462	3,918	5,889	2,430	3,879	5,825	887	1,416	1,416	0	0	0
	March	0	0	0	23,968	28,138	32,850	24,074	28,138	32,953	8,894	10,453	12,206	32,851	38,568	45,056	32,570	38,177	44,695	11,892	13,939	13,939	7,236	31,055	60,170
	April	0	0	0	94,927	110,888	129,121	94,902	110,888	129,048	34,693	40,603	47,302	129,652	151,528	176,520	140,469	162,204	186,641	51,289	59,226	59,226	317,040	368,608	426,874
	May	75,265	83,566	92,774	94,364	26,426	127,955	94,330	109,993	127,589	4,925	8,891	12,210	99,332	118,162	139,528	145,630	172,181	205,046	53,174	62,868	62,868	299,238	345,368	412,225
	June	57,431	58,765	60,264	26,839	5,001	69,234	59,004	63,765	68,907	-1,913	-611	-788	56,966	63,119	70,059	95,695	102,558	110,081	34,941	37,447	37,447	179,902	195,385	212,535
	July	0	0	0	4,696	8,407	12,209	4,711	8,407	12,203	-1,140	-230	-1,650	3,523	6,210	13,821	84,298	89,541	94,979	30,780	32,694	32,694	111,089	123,328	135,974
	August	3,461	5,545	7,596	36,256	46,402	47,746	36,133	41,948	47,849	9,825	11,346	12,869	46,183	53,260	60,580	76,405	80,713	85,019	27,898	29,471	29,471	143,543	156,638	169,936
	September	16,088	18,258	20,865	55,028	64,683	72,452	55,198	62,941	72,429	13,728	15,813	18,343	68,684	78,726	90,796	62,947	69,456	77,542	22,984	25,360	25,360	147,295	166,152	189,758
	October	22,162	24,610	27,287	68,204	92,523	86,899	68,208	77,133	87,094	17,012	19,464	22,101	85,969	96,601	108,993	53,799	61,544	69,893	19,644	22,472	22,472	150,518	172,529	186,331
	November	11,427	13,292	15,520	29,455	22,967	46,386	29,498	36,259	44,425	6,691	8,550	10,646	36,138	44,772	55,086	22,275	28,328	35,438	8,133	10,343	10,343	57,321	74,208	94,759
	December	0	0	0	2,588	3,580	4,769	2,580	3,580	4,750	1,003	1,345	1,761	3,548	4,907	6,537	4,009	5,375	7,036	1,464	1,962	1,962	0	1,452	5,326
YEAR 2	January	0	0	0	4,073	6,075	8,638	4,109	6,075	8,604	1,519	2,258	3,189	5,582	8,327	11,840	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0
	February	0	0	0	1,758	2,859	4,293	1,768	2,859	4,334	1,664	1,067	1,591	2,409	3,918	5,871	2,430	3,879	5,825	887	1,416	1,416	0	0	0
	March	0	0	0	23,937	28,138	32,872	24,082	28,138	32,927	8,894	10,453	12,206	32,850	38,568	45,056	32,570	38,177	44,695	11,892	13,939	13,939	6,428	32,095	61,166
	April	0	0	0	94,817	110,888	129,190	95,345	110,888	129,606	34,693	40,603	47,302	129,501	151,528	176,614	140,469	162,204	186,641	51,289	59,226	59,226	316,930	368,608	426,943
	May	75,366	83,566	92,717	94,471	26,426	127,685	94,492	109,993	128,589	4,925	8,891	12,210	99,701	118,162	139,517	145,630	172,181	205,046	53,174	62,868	62,868	290,345	345,368	411,955
	June	57,421	58,765	60,198	26,898	5,001	68,995	58,969	63,765	69,126	-1,913	-611	-788	56,942	63,119	69,756	95,695	102,558	110,081	34,941	37,447	37,447	179,859	195,385	212,296
	July	0	0	0	4,696	8,407	12,209	4,711	8,407	12,203	-1,140	-230	-1,650	3,495	6,210	13,826	84,298	89,541	94,979	30,780	32,694	32,694	111,048	123,328	135,974
	August	3,443	5,545	7,684	36,126	46,402	47,882	36,216	41,948	47,916	9,825	11,346	12,869	45,965	53,280	60,735	76,405	80,713	85,019	27,898	29,471	29,471	143,413	156,638	169,971
	September	16,115	18,258	20,764	55,128	64,683	72,452	55,150</																	

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THOR LAKE PROJECT
SUMMARY OF ESTIMATED FLOWS FOR THE THOR LAKE WATERSHED
PRE-PRODUCTION, OPERATIONS AND POST-PRODUCTION

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Year	Month	TMF Discharge to Drizzle Lake				Drizzle Lake Net Upstream Runoff				Drizzle Lake Discharge to Murky Lake				Murky Lake Net Upstream Runoff				Murky Lake Discharge to Thor Lake				Long Lake Discharge to Thor Lake				Thor Lake Net Upstream Runoff				Thor Lake Discharge to Fred Lake			
		5th%	Average	95th%	95th%	5th%	Average	95th%	95th%	5th%	Average	95th%	95th%	5th%	Average	95th%	95th%	5th%	Average	95th%	95th%	5th%	Average	95th%	95th%	5th%	Average	95th%	95th%				
		(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)	(m³)	(m³)	(m³)	(m³)			
YEAR 17	January	0	0	0	3,938	5,833	8,240	3,930	5,833	8,221	1,519	2,258	3,189	5,458	8,085	11,432	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0	0	0	0	2,560				
	February	0	0	0	1,713	2,745	4,150	1,718	2,745	4,149	664	1,067	1,591	2,375	3,805	5,751	2,430	3,879	5,825	887	1,416	1,416	0	0	0	0	0	0	0				
	March	0	0	0	22,956	27,019	31,599	23,058	27,019	31,646	8,894	10,453	12,206	31,818	37,448	43,796	32,570	38,177	44,695	11,892	13,939	13,939	31,179	56,368	82,557	0	0	0					
	April	0	0	0	90,606	106,132	123,527	90,782	106,132	123,779	34,693	40,603	47,302	125,253	146,773	170,881	140,469	162,204	186,641	51,289	59,226	59,226	312,719	363,852	421,279	0	0	0					
	May	0	4,568	24,178	15,687	24,160	55,634	15,890	28,728	54,851	4,925	8,191	12,210	20,562	36,897	67,117	145,630	172,181	205,046	53,174	62,868	62,868	211,560	264,103	339,904	0	0	0					
	June	86,906	99,105	101,757	88,951	2,934	106,136	88,496	102,118	107,836	-1,913	611	788	87,723	101,472	108,910	95,695	102,558	110,081	34,941	37,447	37,447	209,913	231,738	251,437	0	0	0					
	July	2,720	3,024	3,346	5,103	5,896	12,974	5,150	8,920	12,917	-1,140	230	1,650	3,950	9,123	14,618	84,298	89,541	94,979	30,780	32,694	32,694	111,497	123,840	136,739	0	0	0					
	August	0	0	0	29,430	33,340	37,369	29,325	33,340	37,231	9,825	11,346	12,869	39,253	44,672	50,256	76,405	80,713	85,019	27,898	29,471	29,471	136,716	148,030	159,458	0	0	0					
	September	0	320	963	36,980	42,325	49,786	37,058	42,645	49,609	13,728	15,813	18,343	50,697	58,431	68,118	62,947	69,456	77,542	22,984	25,360	25,360	129,247	145,856	166,593	0	0	0					
	October	3,532	4,198	4,774	47,840	50,434	61,959	47,675	54,631	61,803	17,012	19,464	22,101	64,935	74,099	84,040	53,799	61,544	69,893	19,644	22,472	22,472	130,188	150,027	171,302	0	0	0					
	November	7,866	15,739	24,151	26,816	22,053	49,944	26,741	37,792	47,493	6,691	8,550	10,646	33,953	46,305	60,375	22,275	28,328	35,438	8,133	10,343	10,343	54,685	75,742	99,737	0	0	0					
	December	0	0	0	2,505	3,438	4,595	2,481	3,438	4,608	1,003	1,345	1,761	3,471	4,765	6,368	4,009	5,375	7,036	1,464	1,962	1,962	0	1,561	5,402	0	0	0					
YEAR 18	January	0	0	0	3,946	5,833	8,230	3,915	5,833	8,221	1,519	2,258	3,189	5,469	8,085	11,405	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0	0	0	2,567					
	February	0	0	0	1,699	2,745	4,094	1,692	2,745	4,121	664	1,067	1,591	2,355	3,805	5,674	2,430	3,879	5,825	887	1,416	1,416	0	0	0	0	0	0					
	March	0	0	0	23,012	27,019	31,585	23,015	27,019	31,649	8,894	10,453	12,206	31,895	37,448	43,777	32,570	38,177	44,695	11,892	13,939	13,939	31,276	56,411	82,504	0	0	0					
	April	0	0	0	90,651	106,132	123,664	90,666	106,132	124,034	34,693	40,603	47,302	125,316	146,773	171,071	140,469	162,204	186,641	51,289	59,226	59,226	312,764	363,852	421,416	0	0	0					
	May	0	2,526	21,807	15,736	24,160	52,545	15,994	26,686	53,889	4,925	8,191	12,210	20,651	34,855	63,898	145,630	172,181	205,046	53,174	62,868	62,868	211,609	262,061	336,815	0	0	0					
	June	86,505	100,778	103,178	88,333	2,934	109,405	88,058	103,712	109,323	-1,913	611	788	87,411	103,665	110,040	95,695	102,558	110,081	34,941	37,447	37,447	209,295	235,331	252,701	0	0	0					
	July	2,715	3,024	3,345	5,033	5,896	12,960	5,136	8,920	12,975	-1,140	230	1,650	3,855	9,123	14,598	84,298	89,541	94,979	30,780	32,694	32,694	111,427	123,840	136,725	0	0	0					
	August	0	0	0	29,421	33,340	37,411	29,431	33,340	37,441	9,825	11,346	12,869	39,241	44,672	50,315	76,405	80,713	85,019	27,898	29,471	29,471	136,708	148,030	159,501	0	0	0					
	September	0	320	952	36,908	42,325	49,659	36,837	42,645	49,801	13,728	15,813	18,343	50,564	58,431	67,937	62,947	69,456	77,542	22,984	25,360	25,360	129,175	145,856	166,466	0	0	0					
	October	3,546	4,198	4,768	47,824	50,434	61,924	47,684	54,634	61,962	17,012	19,464	22,101	64,878	74,099	84,016	53,799	61,544	69,893	19,644	22,472	22,472	130,188	150,027	171,357	0	0	0					
	November	6,240	14,141	22,587	23,444	22,053	48,251	23,350	38,138	48,754	6,691	8,550	10,646	32,374	44,707	58,501	22,275	28,328	35,438	8,133	10,343	10,343	53,113	74,143	98,055	0	0	0					
	December	0	0	0	2,503	3,438	4,600	2,517	3,438	4,612	1,003	1,345	1,761	3,469	4,765	6,375	4,009	5,375	7,036	1,464	1,962	1,962	0	1,561	5,407	0	0	0					
YEAR 19	January	0	0	0	3,907	5,833	8,333	3,934	5,833	8,334	1,519	2,258	3,189	5,415	8,085	11,549	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0	0	0	2,720					
	February	0	0	0	1,727	2,745	4,138	1,719	2,745	4,108	664	1,067	1,591	2,394	3,805	5,735	2,430	3,879	5,825	887	1,416	1,416	0	0	0	0	0	0					
	March	0	0	0	23,058	27,019	31,608	23,059	27,019	31,698	8,894	10,453	12,206	31,915	37,448	43,706	32,570	38,177	44,695	11,892	13,939	13,939	31,358	56,480	82,516	0	0	0					
	April	0	0	0	91,138	106,132	123,367	90,974	106,132	123,712	34,693	40,603	47,302	125,900	146,773	170,661	140,469	162,204	186,641	51,289	59,226	59,226	313,251	363,852	421,120	0	0	0					
	May	0	1,674	20,950	15,912	24,160	52,454	15,735	25,834	52,033	4,925	8,191	12,210	20,876	34,003	63,985	145,630	172,181	205,046	53,174	62,868	62,868	211,786	261,210	336,725	0	0	0					
	June	85,410	100,792	103,215	87,371	2,934	109,333	87,351	103,726	109,186	-1,913	611	788	86,117	103,079	109,933	95,695	102,558	110,081	34,941	37,447	37,447	209,333	235,345	252,634	0	0	0					
	July	2,720	3,024	3,338	5,123	5,896	12,939	5,133	8,920	12,945	-1,140	230	1,650	3,963	9,123	14,608	84,298	89,541	94,979	30,780	32,694	32,694	111,515	123,840	136,781	0	0	0					
	August	0	0	0	29,521	33,340	37,338	29,428	33,340	37,337	9,825	11,346	12,869	39,379	44,672	50,214	76,405	80,713	85,019	27,898	29,471	29,471	136,807	148,030	159,428	0	0	0					
	September	0	320	957	37,005	42,325	49,543	36,907	42,645	49,697	13,728	15,813	18,343	50,718	58,431	67,809	62,947	69,456	77,542	22,984	25,360	25,360	129,272	145,856	166,349	0	0	0					
	October	3,546	4,198	4,756	47,685	50,434	61,887	47,732	54,631	62,194	17,012	19,464	22,101	64,707	74,099	83,975	53,799	61,544	69,893	19,644	22,472	22,472	130,060	150,027	171,310	0	0	0					
	November	4,965	12,978	21,413	23,899	22,450	47,273	23,943	34,941	47,550	6,691	8,550	10,646	30,182	42,543	56,501	22,275	28,328	35,438	8,133	10,343	10,343	51,724	72,981	97,765	0	0	0					
	December	0	0	0	2,505	3,438	4,580	2,496	3,438	4,599	1,003	1,345	1,761	3,472	4,765	6,348	4,009	5,375	7,036	1,464	1,962	1,962	0	1,561	5,387	0	0	0					
YEAR 20	January	0	0	0	3,923	5,833	8,285	3,941	5,833	8,292	1,519	2,258	3,189	5,437	8,085	11,483	6,573	9,741	13,801	2,400	3,557	3,557	0	0	0								



LEGEND:

- WATER
- TAILINGS
- ROAD
- WATERSHED BOUNDARY
- SUB WATERSHED DIVIDE
- DRAINAGE DIRECTION
- BASELINE MONITORING LOCATION
- WEATHER STATION

NOTES:

- PLAN BASED ON INFORMATION PROVIDED BY AVALON RARE METALS INC.
- COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 12N AND IS IN METRES.
- CONTOURS ARE IN METRES. CONTOUR INTERVAL WITHIN DETAILED TOPOGRAPHY IS 2 METRES. SURROUNDING CONTOUR INTERVAL IS 10 METRES.
- LAKE AREAS ARE INCLUDED IN CATCHMENT AREA TOTAL.



AVALON RARE METALS INC.

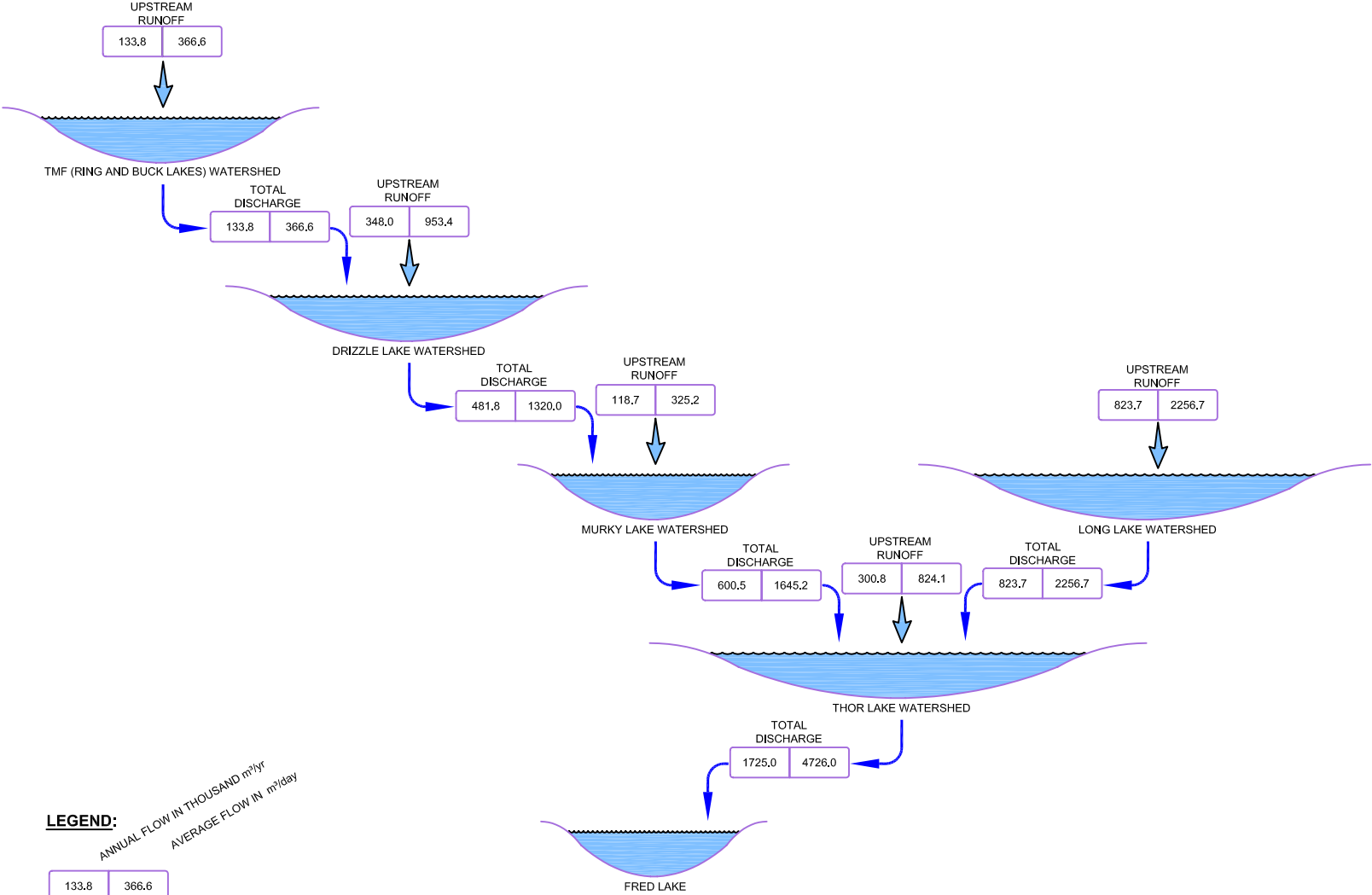
THOR LAKE PROJECT

ESTIMATED PROJECT SITE WATERSHED AREAS

Knight Piésold
CONSULTING

P/A NO. NB101-390/2	REF NO. NB11-00154
FIGURE 1	
REV 0	

0	23MAR'11	ISSUED WITH MEMO	CLS	SIR	CLS	KEH
REV	DATE	DESCRIPTION	PREPARED	DRAWN	CHK'D	APP'D



LEGEND:

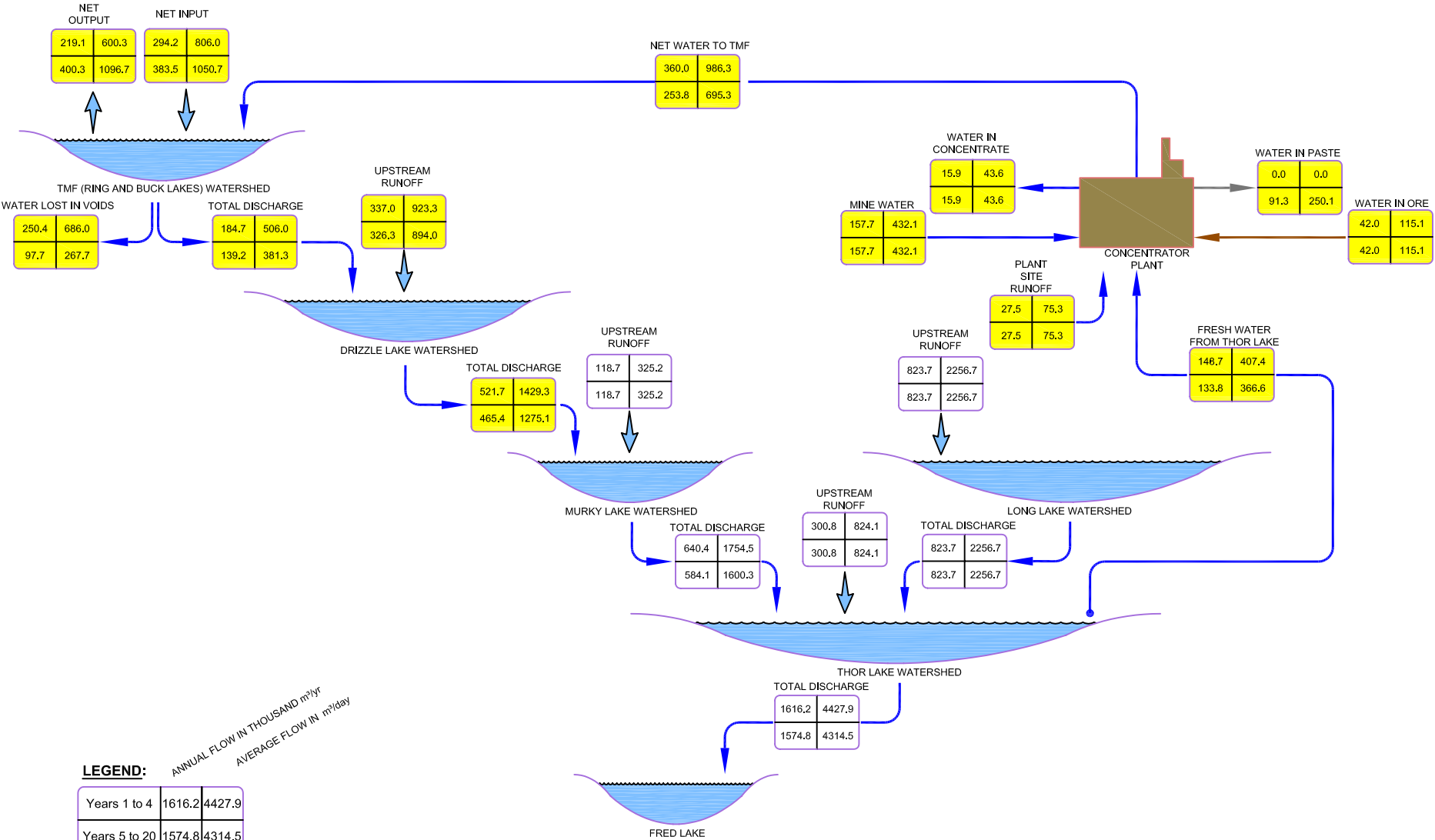
ANNUAL FLOW IN THOUSAND m³/yr
 AVERAGE FLOW IN m³/day

NOTES:

- ESTIMATES ARE FOR AVERAGE PRECIPITATION CONDITIONS AND DO NOT INCLUDE EXTREME PRECIPITATION EVENTS.
- UPSTREAM RUNOFF TO EACH LAKE INCLUDES DIRECT PRECIPITATION AND EVAPORATION ON THE LAKE.

0	23MAR'11	ISSUED WITH MEMO	ML	ML	CLS	KEH
REV	DATE	DESCRIPTION	PREPARED	DRAWN	CHK'D	APP'D

AVALON RARE METALS INC.		
THOR LAKE PROJECT		
ANNUAL WATERSHED FLOWSHEET PRE-PRODUCTION		
	P/A NO. NB101-390/2	REF NO. NB11-00154
	FIGURE 2	
		REV 0



LEGEND:

Years 1 to 4	1616.2	4427.9
Years 5 to 20	1574.8	4314.5

NOTES:

- ESTIMATES ARE FOR AVERAGE PRECIPITATION CONDITIONS AND DO NOT INCLUDE EXTREME PRECIPITATION EVENTS.
- HIGHLIGHTED VALUES ARE TAKEN FROM KPL MEMO CONT. NO. NB11-00100.
- UPSTREAM RUNOFF TO EACH LAKE INCLUDES DIRECT PRECIPITATION AND EVAPORATION ON THE LAKE.
- FRESH WATER FROM THOR LAKE INCLUDES POTABLE WATER.

0	23MAR'11	ISSUED WITH MEMO	ML	ML	CLS	KEH
REV	DATE	DESCRIPTION	PREPARED	DRAWN	CHK'D	APP'D

AVALON RARE METALS INC.

THOR LAKE PROJECT

ANNUAL WATERSHED FLOWSHEET
MINE OPERATIONS

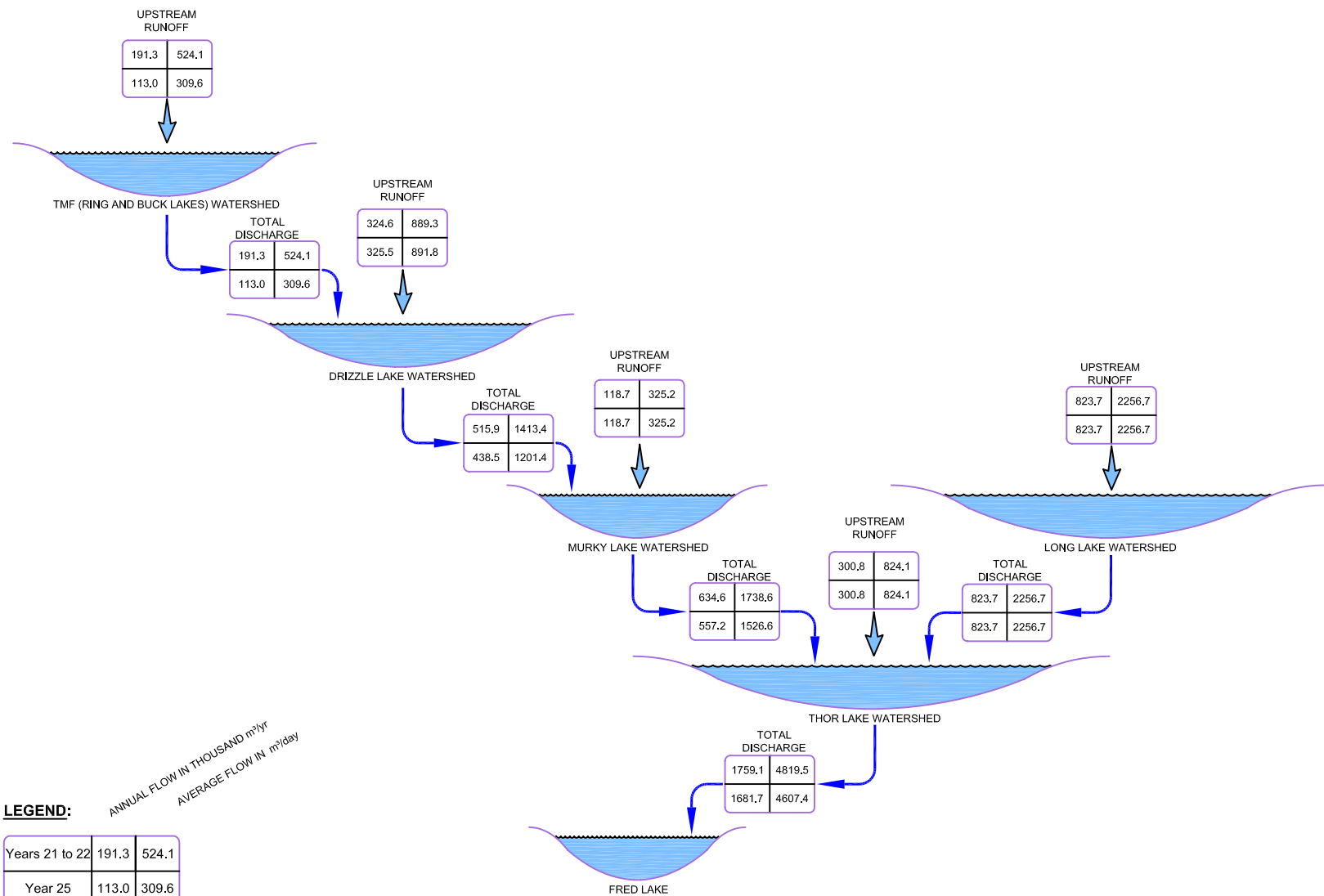
Knight Piesold
CONSULTING

P/A NO.
NB101-390/2

REF NO.
NB11-00154

FIGURE 3

REV
0



LEGEND:

Years 21 to 22	191.3	524.1
Year 25	113.0	309.6

NOTES:

- ESTIMATES ARE FOR AVERAGE PRECIPITATION CONDITIONS AND DO NOT INCLUDE EXTREME PRECIPITATION EVENTS.
- UPSTREAM RUNOFF TO EACH LAKE INCLUDES DIRECT PRECIPITATION AND EVAPORATION ON THE LAKE.

0	23MAR'11	ISSUED WITH MEMO	ML	ML	CLS	KEH
REV	DATE	DESCRIPTION	PREPARED	DRAWN	CHK'D	APP'D

AVALON RARE METALS INC.		
THOR LAKE PROJECT		
ANNUAL WATERSHED FLOWSHEET POST-PRODUCTION		
	P/A NO. NB101-390/2	REF NO. NB11-00154
	FIGURE 4	
		REV 0