

Teck

Quarterly Waste Rock Production Report

Production Month January 2017

Waste Type:	Cover Material	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%			
Forma	tion: Kayak							
	Placed Location							
	North Oxide	12,430	0.00%	2.20%	0.00%			
	Waste Type Subtotal	12,430						
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%			
Forma	tion: Ikalukrok							
	Placed Location							
	Main pit dump 4	2,225	2.20%	5.50%	1.50%			
	Placed Location	•						
	Main Pit Dump 5	21,844	2.38%	5.90%	1.81%			
Forma	tion: Siksikpuk							
	Placed Location							
	Main Pit Dump 5	2,250	6.50%	3.40%	5.60%			
	Placed Location	,						
	West Spur Dump	6,084	6.50%	3.40%	5.60%			
	Waste Type Subtotal	32,403						
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%			
Forma	Formation: Ikalukrok							
	Placed Location							
	West Spur Dump	25,232	2.11%	0.97%	3.81%			
	Placed Location							
	Main Pit Dump 3	2,600	0.20%	2.90%	0.10%			
	Placed Location							
	Main Pit Dump 5	52,407	1.50%	2.24%	1.49%			
Forma	tion: Kivalina							
	Placed Location							
	West Spur Dump	69	0.40%	2.10%	0.30%			
	Placed Location							
	Main pit dump 4	10,665	0.40%	2.10%	0.30%			
	Placed Location							
	Main Pit Dump 5	14,819	0.40%	2.10%	0.30%			
Forma	tion: Siksikpuk							
	Placed Location							
	Main Pit Dump 3	18,877	0.19%	2.54%	0.78%			
	Placed Location							
	Main pit dump 4	1,192	0.30%	3.20%	0.20%			
	Placed Location							
	Main Pit Dump 5	246,883	0.39%	2.67%	1.00%			
	Placed Location							
	West Spur Dump	97,624	0.52%	1.31%	3.31%			
	Waste Type Subtotal	470,368						

Waste Type Subtotal 470,368
Total tonnes for month 515,201

Production Month	February 2017				
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Ikalukrok				
	Placed Location				
	Main pit dump 4	24,031	0.80%	8.50%	2.60%
	Placed Location				
	Main Pit Dump 5	11,086	0.80%	8.50%	2.60%
Forma	tion: Mixed				
	Placed Location				
	Main pit dump 4	1,703	0.00%	5.40%	0.00%
	Placed Location				
	Main Pit Dump 5	55,072	0.00%	5.40%	0.00%
	Waste Type Subtotal	91,892			
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Ikalukrok				
	Placed Location				
	Main pit dump 4	64,484	1.78%	1.65%	4.08%
	Placed Location				
	Main Pit Dump 5	9,353	1.98%	1.06%	4.34%
Forma	tion: Siksikpuk				
	Placed Location				
	West Spur Dump	19,717	2.40%	1.60%	5.40%
	Placed Location				
	Main pit dump 4	168,258	1.10%	1.26%	3.43%
	Placed Location				
	Main Pit Dump 5	90,680	0.47%	0.93%	2.55%
	Waste Type Subtotal	352,492			
	Total tonnes for month	444,384	_		

oduction Month	March 2017				
Waste Type: Co	ver Material	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Formation	า։ Kayak				
Pla	ced Location				
No	rth Oxide	13,141	0.00%	2.20%	0.00%
	Waste Type Subtotal	13,141			
Waste Type: Mo	ost Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Formation	1: Ikalukrok				
Pla	ced Location				
Ma	in Pit Dump 5	17,922	6.22%	14.03%	3.54%
Formation	n: Mixed				
Pla	ced Location				
Ma	in Pit Dump 5	2,367	0.00%	5.40%	0.00%
Formation	1: Siksikpuk				
Pla	ced Location				
Ma	in Pit Dump 5	7,464	7.90%	2.60%	10.00%
	Waste Type Subtotal	27,753			
Waste Type: Ot	her Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Formation	ı: Ikalukrok				
Pla	ced Location				
Ma	in pit dump 4	63,255	1.40%	1.24%	1.78%
Pla	ced Location				
Ma	in Pit Dump 5	166,971	1.44%	1.49%	2.83%
Formation	1: Siksikpuk				
Pla	ced Location				
Ma	in pit dump 4	137,019	0.58%	1.76%	1.67%
Pla	ced Location				
Ma	in Pit Dump 5	187,673	0.62%	1.97%	1.87%
	Waste Type Subtotal	554,918	_		
	Total tonnes for month	595,812			

Production Month	April 2017				
Waste Type:	Cover Material	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ition: Kayak				
	Placed Location				
	North Oxide	14,002	0.00%	2.20%	0.00%
	Waste Type Subtotal	14,002			
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Ikalukrok				
	Placed Location				
	Main Pit Dump 5	37,974	7.43%	4.88%	3.45%
	Waste Type Subtotal	37,974			
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Ikalukrok				
	Placed Location				
	Main Pit Dump 2	80	0.20%	2.80%	0.30%
	Placed Location				
	Main Pit Dump 3	930	0.40%	1.60%	4.50%
	Placed Location				
	Main pit dump 4	1,582	0.40%	1.60%	4.50%
	Placed Location				
	Main Pit Dump 5	240,474	1.42%	1.83%	3.77%
Forma	tion: Kayak				
	Placed Location				
	Main Pit Dump 5	29,896	0.50%	2.10%	0.40%
Forma	tion: Kivalina				
	Placed Location				
	Main Pit Dump 5	10,909	0.20%	3.60%	0.30%
Forma	tion: Siksikpuk				
	Placed Location				
	Main Pit Dump 5	120,757	0.55%	2.11%	3.03%
	Waste Type Subtotal	404,628			
	Total tonnes for month	456,604			

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Production Month	May 2017					
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%	
Forma	ation: Ikalukrok					
	Placed Location					
	Cold Storage North	201	5.50%	24.40%	1.90%	
	Placed Location					
	Main Pit Dump 5	78,974	12.51%	10.60%	5.59%	
Forma	ation: Siksikpuk					
	Placed Location					
	Main pit dump 4	2,998	2.71%	5.44%	1.11%	
	Placed Location					
	Main Pit Dump 5	41,816	1.03%	6.61%	0.17%	
	Waste Type Subtotal	123,989				
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%	
Forma	ation: Ikalukrok					
	Placed Location					
	Main Pit Dump 5	238,906	1.25%	1.74%	2.41%	
	Placed Location					
	Cold Storage North	17,178	2.55%	1.42%	1.62%	
	Placed Location					
	Landfill @MWD	5,617	1.70%	1.25%	3.24%	
	Placed Location					
	Main Pit Dump 3	95	3.10%	1.60%	1.90%	
	Placed Location					
_	Main pit dump 4	17,322	0.55%	1.60%	3.46%	
Forma	ation: Kivalina					
	Placed Location					
	Cold Storage North	1,725	1.30%	3.10%	0.70%	
Forma	ition: Siksikpuk					
	Placed Location					
	Main pit dump 4	2,905	1.11%	1.57%	3.25%	
	Placed Location					
	Main Pit Dump 5	115,508	0.60%	1.08%	2.63%	_
	Waste Type Subtotal	399,256	_			

Total tonnes for month

523,245

Production	Month	June 2017

Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ation: Ikalukrok				
	Placed Location				
	Main Pit Dump 3	724	1.60%	4.80%	0.20%
	Placed Location				
	Main pit dump 4	6,531	7.36%	3.31%	11.24%
	Placed Location				
	Main Pit Dump 5	5,604	7.25%	5.13%	2.36%
Forma	ation: Siksikpuk				
	Placed Location				
	Main pit dump 4	2,748	0.00%	5.79%	0.00%
	Placed Location				
	Main Pit Dump 5	65,152	0.34%	5.96%	0.14%
	Placed Location				
	Main Pit Dump 3	14,302	0.00%	5.50%	0.00%
	Waste Type Subtotal	95,061			
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ation: Ikalukrok				
	Placed Location				
	Landfill @MWD	960	0.80%	2.10%	9.40%
	Placed Location				
	Main Pit Dump 3	2,892	4.01%	1.52%	2.95%
	Placed Location				
	Main pit dump 4	68,167	0.63%	0.96%	3.93%
	Placed Location				
	Main Pit Dump 5	107,204	1.32%	1.12%	2.13%
	Placed Location				
	Cold Storage North	165	1.60%	3.90%	0.50%
Forma	ation: Kayak				
	Placed Location				
	Main pit dump 4	3,058	0.00%	2.80%	0.10%
	Placed Location				
	Main Pit Dump 5	74,028	0.08%	2.72%	0.10%
Forma	ation: Siksikpuk				
	Placed Location				
	Main Pit Dump 3	971	0.90%	1.60%	2.80%
	Placed Location				
	Main pit dump 4	190,312	0.66%	1.20%	3.41%
	Placed Location				
	Main Pit Dump 5	8,995	0.73%	1.78%	2.51%
	Placed Location				
	Landfill @MWD	1,985	0.30%	0.60%	4.30%
	Waste Type Subtotal	458,737	_		
		FF2 700			

Total tonnes for month 553,798

Production Month	July 2017					
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%	
Forma	ation: Ikalukrok					
	Placed Location					
	Main pit dump 4	6,529	4.50%	3.06%	9.88%	
	Placed Location					
	Main Pit Dump 5	7,970	7.91%	3.98%	4.45%	
	Placed Location					
	Oxide Ore Dump	4,805	0.80%	2.90%	15.20%	
Forma	ation: Siksikpuk					
	Placed Location					
	Main Pit Dump 5	2,281	4.50%	4.20%	2.10%	
	Waste Type Subtotal	21,585				_
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%	
Forma	ation: Ikalukrok					
	Placed Location					
	Main pit dump 4	262,342	1.03%	2.00%	3.35%	
	Placed Location					
	PAC Dump	1,786	2.70%	0.60%	1.60%	
	Placed Location					
	Main Pit Dump 5	180,426	1.01%	3.01%	0.69%	
	Placed Location					
	Main Waste Dump	1,272	0.40%	4.10%	0.10%	
Forma	ntion: Kayak					
	Placed Location					
	Main Pit Dump 5	37,027	0.00%	2.80%	0.10%	
Forma	ation: Siksikpuk					
	Placed Location					
	Main pit dump 4	30,794	0.31%	1.80%	2.93%	
	Placed Location					
	Main Pit Dump 5	4,977	0.20%	4.20%	0.10%	
	Waste Type Subtotal	518,624				
			_			

540,209

Total tonnes for month

Production Month	August 2017				
Waste Type:	Cover Material	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ation: Kayak				
	Placed Location				
	North Oxide	26,185	0.00%	2.18%	0.01%
	Waste Type Subtotal	26,185			
Waste Type:	Most Reactive Waste	Tonnes	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ation: Ikalukrok				
	Placed Location				
	Landfill @MWD	80	7.40%	5.40%	4.20%
	Placed Location				
	Main Pit Dump 5	22,723	6.28%	4.43%	3.80%
	Placed Location				
	Main pit dump 4	14,562	7.23%	5.36%	4.13%
Forma	ation: Kayak				
	Placed Location				
	Main pit dump 4	5,257	2.50%	4.20%	2.10%
	Placed Location				
	Main Pit Dump 5	2,056	2.50%	4.20%	2.10%
	Waste Type Subtotal	44,678			
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ation: Ikalukrok				
	Placed Location				
	PAC Dump	2,183	2.59%	0.76%	1.93%
	Placed Location				
	Landfill @MWD	1,831	0.20%	0.50%	5.50%
	Placed Location				
	Main pit dump 4	127,529	0.67%	1.02%	4.49%
	Placed Location				
	Main Pit Dump 5	172,619	1.06%	2.83%	0.76%
Forma	ation: Kayak				
	Placed Location				
	Main Pit Dump 5	10,759	0.08%	2.54%	0.10%
Forma	ation: Siksikpuk				
	Placed Location				
	Main Pit Dump 2	4,656	0.52%	3.11%	0.46%
	Placed Location				
	Main pit dump 4	99,394	1.17%	1.81%	3.36%
	Placed Location				
	Main Pit Dump 5	215,797	0.50%	2.81%	0.84%
	Placed Location				
	Crusher Pad	7,911	0.80%	2.10%	0.80%
	Waste Type Subtotal	642,679			

Total tonnes for month 713,542

Production Month	September 2017				
Waste Type:	Cover Material	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Kayak				
	Placed Location				
	North Oxide	19,967	0.00%	2.47%	0.14%
	Waste Type Subtotal	19,967			
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	tion: Ikalukrok				
	Placed Location				
	Oxide Ore Dump	12,780	2.53%	3.06%	11.52%
	Placed Location				
	Main pit dump 4	17,076	5.01%	4.29%	3.59%
	Placed Location				
	Main Pit Dump 5	12,454	7.84%	4.58%	4.30%
Forma	tion: Mixed				
	Placed Location				
	Oxide Ore Dump	1,449	3.00%	3.00%	11.90%
	Waste Type Subtotal	43,759			
Waste Type:	Other Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Forma	ition: Ikalukrok				
	Placed Location				
	Main pit dump 4	133,268	1.09%	1.19%	4.12%
	Placed Location				
	Main Pit Dump 5	76,115	0.71%	1.40%	0.73%
	Placed Location	,			
	Oxide Ore Dump	37,434	0.14%	1.89%	12.85%
	Placed Location				
	PAC Dump	1,833	2.02%	0.45%	1.26%
Forma	ition: Kayak				
	Placed Location				
	Main Pit Dump 2	1,472	0.10%	3.00%	0.30%
	Placed Location	,			
	Main Pit Dump 5	10,261	0.10%	3.00%	0.30%
Forma	tion: Mixed				
	Placed Location				
	Oxide Ore Dump	5,373	0.10%	2.70%	13.90%
Forma	ition: Siksikpuk	3,373	0.12070	2.7075	20.0070
Torrite	Placed Location				
	Main Pit Dump 5	9,183	1.17%	1.82%	2.42%
	Placed Location	3,103	1.1//0	1.02/0	2.42/0
	Landfill @MWD	4,278	0.30%	1.10%	3.50%
	Placed Location	7,270	0.5070	1.10/0	3.30/0
	Main pit dump 4	68,777	0.42%	1.19%	3.48%
	Waste Type Subtotal	347,994	0.72/0	1.13/0	J.70/0
	Total townes for month	411 720	_		

Total tonnes for month 411,720

Production Month	October 2017				
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Format	tion: Ikalukrok				
	Placed Location				
	Portable crusher Pad	28,254	1.80%	2.32%	1.81%
	Placed Location				
	Cold Storage North	4,774	2.60%	4.30%	3.40%
	Placed Location				
	Main Pit Dump 3	104	0.30%	2.10%	0.20%
	Placed Location				
	Main pit dump 4	171,989	0.71%	0.88%	3.99%
	Placed Location				
	Main Pit Dump 5	167,419	2.33%	3.04%	1.52%
	Placed Location				
	Oxide Ore Dump	560	0.10%	1.10%	15.50%
Format	tion: Siksikpuk				
	Placed Location				
	Main Pit Dump 5	69,896	0.00%	5.56%	0.00%
	Placed Location				
	Main pit dump 4	11,127	0.00%	5.60%	0.00%
	Waste Type Subtotal	454,123	_		
	Total tonnes for month	454,123			
Production Month	November 2017				
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%
Format	tion: Ikalukrok				
	Placed Location				

Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%				
Forma	Formation: Ikalukrok								
	Placed Location								
	CWD	7,437	15.64%	8.00%	5.42%				
	Placed Location								
	Main pit dump 4	204,250	1.36%	1.76%	4.14%				
	Placed Location								
	Main Pit Dump 5	75,056	1.08%	4.06%	0.72%				
	Placed Location								
	Oxide Ore Dump	24,957	1.28%	2.07%	12.67%				
Forma	tion: Kivalina								
	Placed Location								
	Main pit dump 4	3,490	0.00%	2.00%	0.00%				
Forma	tion: Mixed								
	Placed Location								
	Landfill @MWD	4,023	1.50%	1.50%	3.80%				
	Placed Location								
	Main pit dump 4	86,983	1.43%	1.84%	3.27%				
Forma	tion: Siksikpuk								
	Placed Location								
	Main pit dump 4	3,759	0.00%	5.40%	0.00%				
	Placed Location								
	Main Pit Dump 5	49,207	0.00%	5.40%	0.00%				
	Placed Location								
	Cold Storage North	5,082	0.00%	5.40%	0.00%				
	Waste Type Subtotal	464,244	_						

464,244

Total tonnes for month

Production Mont	h December 2017					
Waste Type:	Most Reactive Waste	<u>Tonnes</u>	Avg Zn%	Avg Fe%	Avg Pb%	
Formation: Ikalukrok						
	Placed Location					
	CWD	7,130	6.84%	2.49%	4.50%	
	Placed Location					
	Main pit dump 4	340,601	1.24%	1.62%	3.41%	
	Placed Location					
	Main Pit Dump 5	22,775	1.67%	5.12%	1.14%	
	Placed Location					
	Oxide Ore Dump	83,651	1.42%	2.43%	12.51%	
Formation: Mixed						
	Placed Location					
	Main pit dump 4	15,767	1.50%	1.50%	3.80%	
	Waste Type Subtotal	469,924				
	Total tonnes for month	469,924	_			

Total Waste Rock tonnes for period 6,142,806