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WARTIME METALS CORPORATION EMERALD TUNGSTEN PROJECT

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Salmo, B. C.

PROGRESS REPORT

September, 1943.

GENERAL

Instructions were received September 9th to close the operation by the end of the current month. Mining ceased September 10th, and normal mill operation on September 21st. The number of employees on the payrolls amounted to 43 October 1st including 10 of staff, of which 15 were employed at the mill.

The mine, plant, equipment and buildings are being prepared for a shut-down of considerable duration. Such work is expected to be complete with quickly diminishing payroll October 15th.

Cancellation was made of all possible outstanding orders for supplies. Creditors were also advised to place their accounts at this office by October 1st. It has since been gathered that the accounts and cost distribution of the Emerald Construction Company will not be available until October 15th.

MINE DEVELOPMENT

The following is a summary of development work underground for the month of September, 1943.

Working	Feet Advance	Feet in Ore	Tons Ore Broken	Grade % WO ₃
3970-B Drift (Slash)	6. 0	8.0	32	0.5 (Estim.)
3963-xcut	34•0	17.0	96	0.94
3859-xcut Adit	37•0	-	-	•
4077-Subdrifts 3970-sub-xcut	36.0 27.5	36.0 27.5	119 122	0.36 1.95
	142.5	88.5	369_	1.23

3963-xcut

intersected 17 feet of altered limestone ore enclosed on two sides by granite. It was proposed to drift to the east and connect with either or both of the ore intersections encountered in D.D. Section 62.5, and thus also provide facilities for diamond drilling the ore occurrences in 3966 Main So.

3859-xcut Adit

opening up the 3800-Level was advanced to a total length of 355 feet in the footwall of the limestone trough.

4077-Subdrifts

Sub-drifting was commenced to connect these boxholes and to 4075 Stope. Connections were not completed.

3970-sub-xcuts

Sub-xcuts were commenced from Nos. 3 and 5 boxholes, preparatory to silling out.

DIAMOND DRILLING

The following holes were drilled from the 3950-Level in the following three sections.

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Section	Hole	Feet Drilled	Feet in Ore
60.3	D158	44	5•5
62.0	D1 <i>5</i> 9 D160	75 72	5.0
68.3	D161 D162	16 23	15.0 4.5

Sections 60.3 and 62.0 were drilled for additional information on the ore occurrences indicated in the south end and below the 3950-Level. Results were as disappointing as previous work, and it was proposed further drilling await opening of the 3800-Level. Drilling at Section 68.3 was for the purpose of detailing the outline of 3968 Stope.

MINE PRODUCTION

Breaking in the stopes stopped September 10th. Break for the month amounted to 797 tons to that date. Subsequently, the stopes were drawn down leaving only cones of muck between the chutes, and the ore-passes were cleaned out. Total draw amounted to 1397 tons, of which 193 tons of oxidized material from 4079 ore-pass was delivered to stockpile, the remainder of 1204 tons went to the mine-bins. Both mine and mill bins have been cleaned out, with the exception of small dead loads left in the bottom of the latter. Dead loads in the mine bins are composed of waste. The following are the sources of mill feed for the 3046 tons milled during the month:

Development	416	tons
Stope Preparation	1204	Ħ
Ore Passes	247	Ħ
Mine Bins	631	11
Nill Bin	343	**
Stockpiles	205	Ħ
TOTAL	3046	11

Total of broken ore remaining on the property therefore amounts to 1396 tons only, contained in the stopes as specified on pp^5 of the monthly report.

All equipment has been removed and stored, the pipes broken and drained, the mine cleaned out, and drainage opened from sources of spring floods. Doors have been placed at the portals to control ventilation, and questionable timbered sections centre-posted.

TRAMWAY

On September 7th, a breakdown occurred which shut operation down until the following day. No production was lost due to same. With the installation of more suitably sized grip liners, and the maximum shrinkage of the running rope from $1/16^{n}$ oversize 3/4-in. specification to 5/8-in. present diameter, operation would appear to be now fairly safe.

The running equipment has been stored in the upper terminal building, the ropes greased, and all bearings along the line covered.

MILL

Operation of the mill ceased with 6 3/4 hours running time September 21st. Two days time was lost September 5th and 6th, when alterations were made to the table circuit. This involved dividing the flow from the first two spigots of the hydraulic classifier over a greater area of tables. Results failed to come up to expectations.

In cleanup operations, No. 1 Thickener was pumped directly to Iron flotation, resulting in lower densities and poor sulphide elimination, and producing table concentrates requiring re-treatment. Loss in draining Thickeners amounted to 40 tons of 3% WO₃ content to tails. Due to oxidization of bottom ore in mill bins, flotation concentrates declined in grade during final operation.

Acid leaching of table concentrates unacceptable for phosphorus content commenced September 21st and was completed September 24th. Returns amounted to 24.20 tons of concentrate assaying 68.30% WO₃, 0.53% S, and 0.04% P.

An amount of 14,600 lbs. of table concentrates of July-August production were retreated magnetically in the Crushing Plant. A magnetic concentrate, 4% in weight, was removed assaying 6.40% WO₃. The resulting product amounting to 7 tons assayed 69.50% WO₃, 0.49% S, and 0.03% P.

With reference to retreatment and re-analysis of composite samples of pre-determined lots, the following is a revised tabulation of concentrates on hand:

Product		Tons	2003	1/2S	2P	Tons WO3
Table Concentrate	>	132.226	71.07	.229minus	•05	93•971
Flotation Concentrate		267.255	15.07	-	•	40.268

(Sgd) E. E. Mason.

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WARTIME METALS CORPORATION 82F/3E EMERALD TUNGSTEN PROJECT 82F/3E Summary of Monthly Report 82F/5W-/0

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Summary of Monthly Report September, 1943.

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	. *	This Month	Last Month	Year to Date
1.	OPERATING DATA			
	Tons ore Broken	1148	4087	8550
	Tons Ore Milled	3046	5429	9372
	Daily Tonnage Milled	150	175	163
÷	Total Development Footage	142.5	555	1239.0
2.	PRODUCTION DATA			
	Grade of Ore Milled %WO3 (Calc.)	1.93	1.69	1.73
	Tons Table Concentrate Produced	48.80	77.462	133.616
	Tons Flotation Concentrates Produced	100.403	154.222	267.255
	Grade Table Concentrates %W03	70 .54	70.09	69.89
	Grade Flotation Concentrates %WO3	12,56	15.99	14.34
	Contained WO3 - Table Concentrates #	68,850	108,584	186,754
	Contained WO3 - Flotation Concentrates #	25,216	49,250	76,562
	Total WO3 Contained in Concentrate	94,066	-	-
	Percent Recovery of Ore Milled	78.60	86.02	81.19
з.	COST DATA			
	Exploration & Development (Total)	3,809,16	13,534.62	36,500.69
	" " (Cost per ton)	1,25	2.49	3.89
	Mining (Total)	2,294.38	9,851,68	24,921.26
	" (Cost per ton)	2,95	1.82	3.06
	Crusher & Tramway (Total)	2,573.68	6,044,60	17,300.68
	Milling (Total) (COST PER TON)	12,785.51	16,741.00	37,123.00
	" (Cost per ton)	4.20	3.08	3.96
	General Overhead (Total)	6,551.93	5,915.67	18,773.05
	" " (Cost per ton)	2,15	1.09	2.00
	Total Operating Cost	28,014.66	52,087.57	134,618.68
	" " Per ton milled)	9.20	9,59	14.36
	(" " concentrate)		224.81	343.02
	(" 1b. WO3 produced)	.31	. 33	•52
4.	OTHER DATA			
	Average Number Employed	72	142	120
	Total Payroll Amount	17,602.09	29 ,6 81 .92	78,963.81
	Tons Table Concentrate shipped	-	-	-
	Tons Flotation Concentrate shipped	-	-	
	Tons Table Concentrate on hand	131.316	84.816	131.316
		AA3 34A	144 050	

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Tons Flotation Concentrate on hand

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		Month		Month		to Date
	Total	Cost	Total	Cost	Total	Cost
		Per Ft.		Per Ft		Per F
DRIFTING & CROSSCUTTING-ad	vance 79.	,0 feet	37	5.5 feet	895.	0 feet
Drilling & Blasting	353.47	4.474	1,757.66	4.668	4,133.42	4.618
Explosives	121.50	1.538	968.32	2.572	2,194.06	2.451
Mucking & Tramming	364.64	4.616	1,466.07		3,607.51	4.031
Timbering	1 076 00	10 115	475.20	1.262	890,94	.995
Misc. Mine Charges	1,036.08	13,115	3,604.32	9.573		12.483
TOTAL	1,875.69	23.743	8,271.57	21.969	21,997.10	24.578
RAISING-advance					102	2.0 feet
Drilling & Blasting					549.42	5.386
Explosives					307.80	3.018
Mucking & Tramming	19.	.12			481.27	4.718
Timbering	49.				161.85	1.587
Misc. Mine Charges	45.	06			1,426.66	13,987
		, 70			1, 700.00	10.301
TOTAL		.86			2,927.00	
-	15.		178	3.5 feet	2,927.00	
TOTAL BOX-HOLES & SUB-LEVELS-adv	15. ance 63	.86 3.0 feet			2,927.00 241.	28.696 5 feet
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting	15. ance 63 336.30	.86 3.0 feet 5.338	705.02	3.950	2,927.00 241. 1,041.32	28.696 5 feet 4.312
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives	15. ance 63	.86 3.0 feet	705 .0 2 443.82	3.950 2.486	2,927.00 241. 1,041.32 5 62.16	28.696 5 feet
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting	15. ance 63 336.30 118.34	.86 3.0 feet 5.338 1.878	705.02	3.950	2,927.00 241. 1,041.32	28.696 5 feet 4.312 2.328
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming	15. ance 63 336.30 118.34 52.56	.86 5.0 feet 5.338 1.878 .834	705 .0 2 443.82	3.950 2.486	2,927.00 241. 1,041.32 5 62.16 289.31	28.696 5 feet 4.312 2.328 1.198
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering	15. ance 63 336.30 118.34 52.56 6.14	.86 5.0 feet 5.338 1.878 .834 .097	705.02 443.82 236.75	3.950 2.486 1.326	2,927.00 241. 1,041.32 562.16 289.31 6.14	28.696 .5 feet 4.312 2.328 1.198 .025
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06	.86 5.0 feet 5.338 1.878 .834 .097 9.076	705.02 443.82 236.75 986.99 2,372.58	3.950 2.486 1.326 5.529	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64	28.696 .5 feet 4.312 2.328 1.198 .025 6.454
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223	705.02 443.82 236.75 986.99 2,372.58	3.950 2.486 1.326 5.529 13.291	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317
TOTAL <u>BOX-HOLES & SUB-LEVELS</u> -adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL <u>DIAMOND DRILLING</u> -advance Surface Underground	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 30 feet 2.598	705.02 443.82 236.75 986.99 2,372.58 123 1,360.10	3.950 2.486 1.326 5.529 13.291 24 feet 1.111	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387
TOTAL <u>BOX-HOLES & SUB-LEVELS-adv</u> Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL <u>DIAMOND DRILLING-advance</u> Surface	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223	705.02 443.82 236.75 986.99 2,372.58	3.950 2.486 1.326 5.529 13.291 24 feet	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587
TOTAL <u>BOX-HOLES & SUB-LEVELS</u> -adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL <u>DIAMOND DRILLING</u> -advance Surface Underground	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 30 feet 2.598	705.02 443.82 236.75 986.99 2,372.58 123 1,360.10	3.950 2.486 1.326 5.529 13.291 24 feet 1.111	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL <u>DIAMOND DRILLING</u> -advance Surface Underground Misc. Mine Charges	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50 50.60	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 50 feet 2.598 .220	705.02 443.82 236.75 986.99 2,372.58 12 1,360.10 299.22	3.950 2.486 1.326 5.529 13.291 24 feet 1.111 .245	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38 686.48	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387 .207
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL DIAMOND DRILLING-advance Surface Underground Misc. Mine Charges TOTAL PORTAL PREPARATION	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50 50.60 648.10	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 50 feet 2.598 .220	705.02 443.82 236.75 986.99 2,372.58 122 1,360.10 299.22 1,659.32	3.950 2.486 1.326 5.529 13.291 24 feet 1.111 .245	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38 686.48 5,043.79	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387 .207
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL DIAMOND DRILLING-advance Surface Underground Misc. Mine Charges TOTAL PORTAL PREPARATION Drilling & Blasting	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50 50.60	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 50 feet 2.598 .220	705.02 443.82 236.75 986.99 2,372.58 123 1,360.10 299.22 1,659.32 391.60	3.950 2.486 1.326 5.529 13.291 24 feet 1.111 .245	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38 686.48 5,043.79	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387 .207
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL DIAMOND DRILLING-advance Surface Underground Misc. Mine Charges TOTAL PORTAL PREPARATION Drilling & Blasting Explosives	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50 50.60 648.10	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 50 feet 2.598 .220	705.02 443.82 236.75 986.99 2,372.58 122 1,360.10 299.22 1,659.32 391.60 2.16	3.950 2.486 1.326 5.529 13.291 24 feet 1.111 .245	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38 686.48 5,043.79 1,352.97 2.16	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387 .207
TOTAL BOX-HOLES & SUB-LEVELS-adv Drilling & Blasting Explosives Mucking & Tramming Timbering Misc. Mine Charges TOTAL DIAMOND DRILLING-advance Surface Underground Misc. Mine Charges TOTAL PORTAL PREPARATION Drilling & Blasting	15. ance 63 336.30 118.34 52.56 6.14 571.72 1,085.06 23 597.50 50.60 648.10	.86 5.0 feet 5.338 1.878 .834 .097 9.076 17.223 50 feet 2.598 .220	705.02 443.82 236.75 986.99 2,372.58 123 1,360.10 299.22 1,659.32 391.60	3.950 2.486 1.326 5.529 13.291 24 feet 1.111 .245	2,927.00 241. 1,041.32 562.16 289.31 6.14 1,558.71 3,457.64 3316 607.93 3,749.38 686.48 5,043.79	28.696 5 feet 4.312 2.328 1.198 .025 6.454 14.317 5 feet 1.587 1.387 .207

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> Exploration & Development - Data September, 1943.

	THIS MONTH	LAST MONTH	YEAR TO DATE
1. DRIFTING & CROSSCUTTING Advance (linear feet) Advance per Machine drill shift Pounds powder per foot advance	79.0 3.3 13.29	376.5 3.55 15.9	895.0 3.4 15.3
2. <u>RAISING</u> Advance (linear feet) Advance per Machine drill shift Pounds powder per foot advance			102.0 2.5 18.1
3. <u>BOX-HOLES & SUBS</u> Advance (Linear feet) Advance per Machine drill shift Pounds powder per foot	63.0 2.9 12.70	178.5 4.10 15.4	241.5 3.6 14.7
4. <u>DIAMOND DRILLING</u> Underground - No. of holes Total Advance	5 230	10 1224	33 2922

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WARTIME METALS CORPORATION EMERALD TUNGSTEN PROJECT

Mining Costs September, 1943.

	THIS Cost	MONTH Per Ton	LAST MC Cost I	onth Per Ton	YEAR Cost	TO DATE Per Ton
STOPE PREPARATION - Tons Drilling & Blasting Explosives Mucking & Tramming Timbering	<u></u>	.463 .171 .351 .405	4027 1,653.59 1,002.76 1,509.11 1,368.37	· ·	77 5,306.33 2,342.51 3,028.50 2,418.51	
Misc. Mine Charges	1,211.17	1.555	4,210.09	1.045	11,658.19	1.497
TOTAL	2,294.38	2.945	9,743.92	2.420	24,754.04	3.179
STOPING - Tons Broken			60)	3	53
Drilling & Blasting Explosives			19.61	.327	38.32 1.95	.109
Mucking & Tramming Timbering			24 .96 6.54	.416	31.20 6.54	.089 .018
Misc. Mine Charges			56.65	.944	89.21	.252
TOTAL			107.76	1.796	167.22	•474
TOTAL MINING	2,294.38	2.945	9,851.68	2.410	24,921.26	3.062

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Mine Production September, 1943.

	THIS M Tons Broken	IONTH Tons Drawn	Grade %WO3	TO DA Tons Broken	Tons	Grade %WOz	TONS Reserve Oct. 1
1. <u>STOPE PREPARATION</u> 4075 Stope 4074 Stope 3968 Stope	340 175 264	797 362 45	1.77 1.46 N.S. (.9 est.)	4837 1642 798	4396 1643 486	3.51 1.97 .36	711 373 312
2. <u>STOPING</u> 4179 Open Pit	-	193	0.82	353	273	•78	-
TOTAL MINING TOTAL DEVELOFMENT STOCKPILE CLEANUP	779 369	1397 416 205 3	1.53 1.23	7630 1485	6798 1082	2.80 1.02	1396
GRAND TOTAL	1148	2021	1.31	9115	7880	2.56	
3. <u>TOTAL MINING</u> Total Tons Broken Tons broken per Machine Shift Tons Broken per Man Shift Founds powder per ton broken	779 41.0 7.1 1.16			7630 20.2 5.9 1.89	I		
4. <u>TOTAL ORE BROKEN</u> Tons Broken per Machine Drill Shift Tons per Man Shift Pounds powder per ton	1148 17.7 2.7 2.39			9115 12.5 2.44 3.62			

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YEAR TO DATE

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WARTIME METALS CORPORATION EMERALD TUNGSTEN PROJECT

		Miscellaneous Mine Charges September, 1943.	
		THIS MONTH	<u>COSTS</u> LAST MONTH
1.	BREAKDOWN	· · · ·	× .
	Haulage	274.91	654.21
	Shops Maintenance	217.34	509.19
	Steel & Sharpening	182.98	655.65
	Drill Repairing	73.96	95.51
	Survey & Engineering	638.61	717.74
	Sampling & Assaying	401.37	487.04
	Compressed Air	288,52	1,033.70
	Supervision	380.25	849.96
	Miners' Lamps	43.81	62.83
	Dine (Manala	ROC EC	7 4 6 7 4 67

Haulage	274.91	654.21	1,485.53
Shops Maintenance	217.34	509.19	726.53
Steel & Sharpening	182.98	655.65	4,646.78
Drill Repairing	73.96	95.51	371.41
Survey & Engineering	638.61	717.74	2,124.42
Sampling & Assaying	401.37	487.04	2,802.28
Compressed Air	288,52	1,033.70	2,662.96
Supervision	380.25	849.96	2,871.29
Miners' Lamps	43.81	62.83	184.02
Pipe & Track	396.56	1,461.43	2,034.72
Ventilation		•	260.00
Grizzly Operation	107.26	316.28	577.49
Mine Dry Operation	4.31	141.09	385.15
Handling Underground Supplies	22.71	203.94	716.40
Portals, Yards & Dumps	243.89	612.42	1,611.60
Employee Transportation	276.99	1,023.39	1,300.38
Muck Cars Maintenance	15.69	57.20	274.56
Mine Loco. "	37.23	440.85	917.54
Mucking Machine Maintenance	37.88	218.12	398.23
Scrapers Maintenance	4.24	27.12	48.49
Slushers Maintenance	•		75.84
Shut-down Expense	253.72		253.72
TOTAL	3,024.75	9,567.67	26,209.34

DISTRIBUTION			
(according to Direct Labor charge)		1 B	
Drifting & Crosscutting	1,036.08	3,604.32	10,603,98
Raising	45.96	•	1,268.86
Box-Holes and Sub-Levels	571.72	986.99	1,558,71
Diamond Drilling	50.60	299.22	636.09
Portal Preparation	109.20	410.40	1,211.89
Stope Preparation	1,211.17	4,210.09	7,509.55
Stoping	•	56.65	3,420.26
Prohitik		00.00	0,400.00

3,024.73

9,567.67

TOTAL

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Milling	-	Costs
Septembe	эr,	1943.

	THIS MONTH		LAST	MONTH	YEAR TO DATE		
	Cost	Per Ton	Cost	Per Ton	Cost	Per Ton	
		Millød		Milled		Milled	
CRUSHING	620,31	.204	791.07	.146	1,842.40	.197	
AERIAL TRAMWAY	1,953.37	.641	5,253.53	•96 8	15,458.28	1.649	
TOTAL	2,573.68	.845	6,044.60	1.114	17,300.68	1.846	
CONCENTRATING	,			÷ .	•	• • • •	
Secondary Crushing	486.77	.160	926.05	.171	1,651.82	.176	
Grinding	1,442.81	.474	1,324.77	.244	3,356.77	.358	
Screening	224.00	.074	245.63	045	549,38	059	
Iron Float	1,276.95	.419	1,614.53	.297	3,962,75	423	
Gravity	2,790.80	.916	2,475.70	•456	6,264.18	66 8	
Tungsten Float	3,416.85	1.122	5,186.64	.955	9,223.96	984	
Tailings Disposal	81.97	.027	13.54	.002	306.73	.033	
Maintenance	663.89	218	287.03	.053	2,502.66	.267	
Water Supply	235.58	.077	2,778.86	.512	4,464.66	.476	
Assaying	962.50	.316	670.62	.124	1,985.91	.212	
Experimenting	9.44	.003		,	9.44	.001	
Supervision	881.63	.289	765.49	.141	2,015.58	.215	
Office Expense	124.32	.041	136.03	.025	325.05	•035	
Employee Transport.	-	• .		• · ·	×		
ation	188.00	.061	316.11	.058	504.11	.054	
Total	12,785.51	4.197	16,741.00	3.083	37,123.00	3.961	
TOTAL MILLING	15,359.19	5.042	22,785.60	4.197	54,423.68	5.807	

Milling - Data

	This Month		Last M	Last Month		Year to Date	
	Pounds	Per Ton	Pounds	Per Ton	Pounds	Per Ton	
MATERIALS							
Rods	5060	1.661	5400	.995	10460	1.116	
Aerofloat	1220	.400	1430	.263	3050	.325	
Copper Sulphate	1016	.334	1000	.184	2464	.263	
Orso	387	.127	330	.061	897	.096	
Seda Ash	11100	3.644	11600	2.137	25200	2.689	
Cyanide	445	.146	1700	.313	2335	.249	
Xanthate	2925	.960	5400	.995	9475	1.011	
Sodium Silicate	1200	.394	2600	.479	4400	•469	

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WARTIME METALS CORPORATION EMERALD TUNGSTEN PROJECT

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General	Overh	ead
September	·,	1943.

	THIS MONTH	LAST MONTH	YEAR TO DATE
Travelling Expense	150.00	50,00	200.00
Store & Office Expense	1,127.25	1,175,98	3,902.99
Transportation & Equipment Maintenance	409.32	497.48	1,082.39
Repairs to Roads & Maintenance	7.12	261.73	1,674.27
Operating Camp & Cookery	1,194.01	1,726.42	2,920.43
Repairs to General Buildings	234.53	257.42	595.99
Operating Dwellings	63.00	65.20	16.36
Fire Protection, Insurance etc.	110.29	91.09	1,118.83
Mine Management	834.83	818.46	2,103.29
Medical & Hospital	280.00	266.27	927.47
Plant Heating	253,55	220.68	546.01
Watchmen, Guards, etc.	60.57		241.22
Fare Advances	172.18	85.60	586.40
Vancouver Office Expense	219.70	211.35	654.59
Telephone & Telegraph	386.27	318.39	1,060.22
Shut-Down Expense	1,175.31		1,175.31
_	6,551.93	5,915.67	18,773.05

TOTAL OPERATING COST BREAKDOWN

	THIS MONTH Per Ton		LAST MONTH Per Ton		YEAR TO) DATE Per Ton
	Cost	Milled	Cost	Milled	Cost	Milled
Labor	17,602.09	5.779	29,681.92	5.468	78,963.81	8.426
Supplies	8,534.98	2.802	18,619,12	3,430	46,403.31	4.951
Explosives	372,95	.122	2,417.06	.445	5,410.64	.577
Power	1,504.64	•494	1,369.47	.252	3,840.92	.410
TOTAL OPERATING				<u></u>		
COSTS	28,014.66	9.197	52,087.57	9.595	134,618.68	14.364

September, 1943.

1. LABOUR TURNOVER

		Hired	Paid Off	Voluntary	Discharged
Mine			65		65
Mill			21		21
Surface		1	22		22
	Total	1	108		108

2. CLASSIFICATION OF NON-FATAL LOST TIME ACCIDENTS

	<u>Month</u> No Accidents	Total Days Lost	Year to Date No Accidents	Total Days Lost
MINE Fall of Persons				
Falling Objects Fall of Rock from Back Walls Fall of Rock while Scaling				
Handling Rock				
Ore or Rock at Chute	1	5	1	5
Drilling Machines Tranning	T	26	3 1	33 41
Strains while lifting			-	
Using Hand Tools			_	
Moving Machiney			1 1	17 6
Nails and Splinters Gas			T	0
Total Mine	2	31	7	102
MILL				
Fall of Persons				
Falling Objects Crushed between objects				
Strains while Lifting				
Hand Tools				
Total Mill	nil		nil	
SURFACE				
Fall of Persons			2	16
Falling Objects Flying Objects (Sledging)			1	10
			-	-
				(over)

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(Cont'd)

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	<u>Month</u> No <u>Accidents</u>	Total Days Lost	Year to Dat No Accidents	e Total Days Lost
Crushed between objects				
Strains while lifting Hand Tools			2	23
Moving Machinery	• • • • • • • • • • •			
Burns				
Gas				
Total Surface			5	40
TOTAL PLANT	2	31	12	142

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WARTIME METALS CORPORATION EMERALD TUNGSTEN PROJECT

Capital Expenditure September, 1943.

	Total Estimated Cost		Total Actual Cost to date		% Complete	
	Labour	Supplies	Labour Supplies		Labour Supplies	
Dwelling No. 4)	•		1	•		
Recreation Hall)	1400.00	600 <u>,</u> 00	412.33	249.54	95	95
Dwelling No. 5	400.00	1400.00	436.27	1283.64	90	90
Annie Rooney Water Diversion	3800.00	1200.00	2449.10	982.19	70	90

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