Action Note



Equity Research Metals & Minerals

Denison Mines Corp.

(DML-T) C\$1.38

Resuming Coverage Following Bid for UEX Corp.

Event

We are resuming coverage of Denison following a period of restriction. We have also updated our estimates to reflect the company's Q2/22 financial results and outlook.

Denison was engaged in a bidding process for UEX Corp. (UEX-T, not covered), releasing two offers in July and August after rival bidder UEC Corp. (UEC-N, not covered) announced an offer for UEX in June. Denison's final bid was ultimately superseded by an offer from UEC, which was accepted by the UEX Board on August 15. One of UEX's main assets was the remaining 5% effective interest in Denison's 95%-owned flagship Wheeler River project.

Impact: NEUTRAL

- Q2/22 highlights Denison completed the sale of 40,000lbs of U3O8 for revenues of \$3.0mm from production at the McLean Lake JV in relation to the SABRE test mining program in 2021. No further sales are expected in 2022. The company also announced that it has entered into a Participation and Funding Agreement with Kineepik Métis Local #9 (KML), in relation to the development of Wheeler River. No changes were made to the size of the company's physical uranium investments q/q, which remained at 2.5mmlbs. Denison ended Q2 well capitalized with cash of \$57mm and \$163mm in long-term uranium holdings.
- Subsequent to Q2, Denison received regulatory approval to construct and operate the Feasibility Field Test (FFT) at Phoenix, as well as the substantial completion of the metallurgical test work to define the mechanical components of the planned Phoenix processing plant in preparation for the upcoming feasibility study. The metallurgical program has confirmed the ability for the operation to produce a yellowcake (U3O8) product meeting industry standards.

TD Investment Conclusion

We are maintaining our SPECULATIVE BUY rating and \$2.25 target price. We continue to forecast higher uranium prices over the next several years as utilities grapple with the difficult process of de-risking and repositioning their nuclear fuel supply chains away from Russian supply, in what is already a tightly supplied market. In addition, we believe that Russia's actions have highlighted energy security, particularly in Europe, further bolstering the case for nuclear power. These underlying macro conditions should benefit developers such as Denison that have projects in stable jurisdictions.

Craig Hutchison, P. Eng

Nicholas Clarke, CFA (Associate)

Recommendation:			SPEC	BUY	
Risk:	PECULATIVE				
12-Month Target Price	C\$2.25				
12-Month Dividend (C\$0.00				
· · · · · · · · · · · · · · · · · · ·					
12-Month Total Retu	rn:			63.0%	
Market Data (C\$)					
Current Price				C\$1.38	
52-Week Range			\$1.18 - \$2.65		
Mkt Cap (f.d.) (\$mm)		\$1,151.3			
EV (\$mm)	9	51,195.2			
Current Dividend				\$0.00	
Dividend Yield Avg. Daily Trading Vol.	0.0% 3,990,613				
			Э,	990,013	
Financial Data (C\$)				ecember	
	Fiscal Y-E				
Shares O/S (f.d)(mm)	834.3 818.3				
NAVPS	Float Shares (mm)				
Working Cap (\$mm)				\$2.22 \$55.2	
Estimates (C\$)					
Year	2020A	2021A	2022E	2023E	
EPS (f.d.)	(0.03)	(0.03)	(0.03)	(0.03)	
EPS (f.d.) (old)	-	-	(0.02)	-	
EPS (f.d.) Quarterly I	Estimates	s (C\$)			
Year	2020A	2021A	2022E	2023E	
Q1	(0.01)	(0.01)	(0.01)	-	
Q2	0.00	(0.01)	0.00	-	
Q3	(0.01)	0.00	(0.01)	-	
Q4	(0.01)	0.00	(0.01)	-	
Supplemental Data					
Year	2020A	2021A	2022E	2023E	
U3O8 (US\$/lb)	30	35	51	55	

All figures in C\$, unless otherwise specified



Company Profile

Denison Mines Corp. has a diversified portfolio of uranium assets, including an interest in the McClean Lake milling operation; development projects; an environmental management division; and exploration properties located in Canada's Athabasca Basin.

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Details

Unsuccessful bid for UEX – On July 29, Denison announced that it had made a 'Superior Proposal' for an all-share acquisition of UEX, although terms were not disclosed. The offer followed UEC's original proposal announced on June 13 to acquire UEX in an all-share transaction that implied a value of \$0.43/sh. for UEX. UEC subsequently amended and increased its bid on August 5 to an implied price of \$0.49/sh.

On August 9, Denison countered by increasing its bid for UEX to an implied value of \$0.51/sh. representing a market capitalization for UEX of \$270mm. Ultimately, the UEX Board recommended in favour of the UEC bid, which was approved by shareholders on August 15.

We calculate that Denison would have paid an implied price of US\$1.44/lb for UEX's uranium resources. This compares to Denison's JCU (Canada) acquisition last year in which they paid US\$0.33/lb and the median transaction value of US\$3.09/lb over the last 15-years.

Denison's rationale for the transaction was to:

- Consolidate a 100% interest in its flagship Wheeler River project (currently 95%).
- Consolidate a 100% interest in JCU Canada, which includes an ~30.1% interest in Cameco's majority owned Millennium project, an ~33.8% interest in the Kiggavik project, and an ~34.4% interest in the Christie Lake project (UEX ~65.5%). Denison currently has a 50% ownership interest in JCU.

FFT scheduled for completion in Q4/22 - The FFT, which aims to support the novel application of ISR mining in the Athabasca Basin, is designed to utilize the commercial-scale ISR test pattern installed in 2021 in the facilitation of a combined hydraulic flow and leaching characteristic assessment of the Phoenix deposit.

Nuclear thesis further supported by Inflation Reduction Act – Although spot and term markets have remained quiet of late, the recent signing of the Inflation Reduction Act by U.S. President Joe Biden is being touted as a landmark step in the fight against climate change and includes additional support for nuclear power in the United States. The legislation includes ~US\$30bln in tax credits for nuclear power plants over a decade-long period, and US\$700mm for HALEU (high-assay low-enriched uranium) funding.

We continue to forecast an average uranium price of ~US\$51/lb in 2022, increasing to US\$55/lb in 2023, and US\$65/lb 2024. Our long-term (≥2025) incentive price of US\$60/lb is also unchanged.

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August 23, 2022

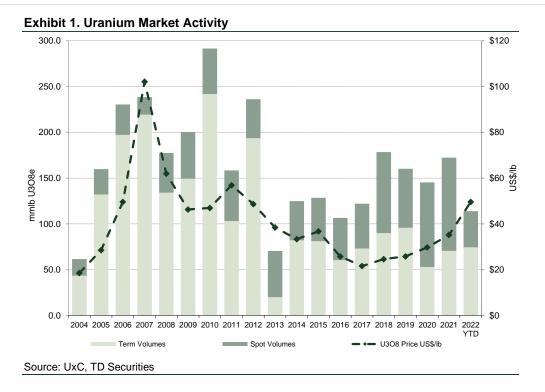


Exhibit 2. Spot and Term Uranium Prices (US\$/Ib)



Source: UxC, TD Securities

Outlook

Outlook supported by well-funded balance sheet as FFT efforts progress - Denison spent \$3.7mm on exploration in H1/22, with 15,893m of drilling competed across 47 holes at Ford Lake, McClean Lake, Waterfound, and Wolly.

Expenditures on project evaluation, which encompass development activities at Wheeler River including the FFT and other feasibility study preparation work, totaled \$11.7mm in

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H1/22. The company is guiding for additional spending of ~\$20mm across the balance of the year.

Exhibit 3. Denison 2022 Budget

Business Segment	2022 Budget	2022 Outlook May Revised	2022 Outlook August Revised	Actual Through H1/22	Commentary
Mining Segment					
Mineral Sales	\$2,044	\$2,775	\$2,736	\$2,736	Revenues of SABRE test mining program
Development and Operations	(\$1,704)	(\$1,704)	(\$1,704)	(\$789)	Midwest JV and legacy mine site expenditures
Exploration	(\$7,213)	(\$7,213)	(\$7,503)	(\$3,706)	Various projects
Mineral Property Exploration & Evaluation	(\$20,356)	(\$23,544)	(\$25,820)	(\$11,673)	Largely spending at Wheeler River FFT
JCU Cash Contributions	(\$713)	(\$859)	(\$964)	\$0	Related to JV spending
-	(\$27,942)	(\$30,545)	(\$33,255)	(\$13,432)	_
DES Segment					
DES Environmental Services	\$1,185	\$1,185	\$1,185	\$477	
-	\$1,185	\$1,185	\$1,185	\$477	_
Corporate and Other Segment					
Corporate Administration & Other	(\$9,477)	(\$9,477)	(\$9,032)	(\$5,014)	
-	(\$9,477)	(\$9,477)	(\$9,032)	(\$5,014)	_
Total Forecasted Cash Outflow	(\$36,234)	(\$38,837)	(\$41,102)	(\$17,969)	
Source: company, TD Securities					

2022/2023 Milestones/Catalysts

Advancing the completion of the feasibility study (FS) at Phoenix. Launched in late 2021 with an estimated 12–18-month time frame, the FS will focus on:

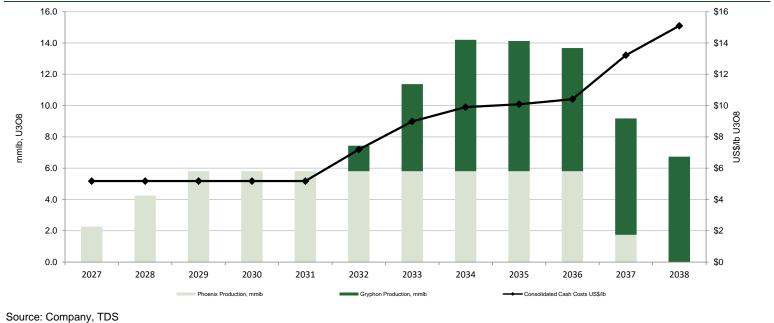
- Environmental stewardship
- Updating the project's 2018 mineral resource estimate
- Mine design optimization
- Processing plant optimization
- Class 3 capital cost estimate

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Exhibit 4. Wheeler River Production Profile



Valuation

Denison is trading at 0.62x our 10%NAVPS estimate of \$2.22 versus the base metal developers in our coverage universe at 0.55x. We also ascribe US\$5.50/lb to Denison mineral global resources.

Denison is also trading at an EV/lb of US\$4.65 (M+I+I) based on its total resources, compared to its peer average currently trading at an EV/lb multiple of US\$5.14.

Justification of Target Price

Our \$2.25 target price is based on 1.0x our mining 10%NAVPS estimate and 1.0x our corporate adjustments weighted 100%.

Key Risks to Target Price

Relative to the other companies in our equity coverage universe, we believe that an investment in Denison Mines is subject to a SPECULATIVE level of risk. Our recommendation is subject to forecast, financial, technical, political, and deposit-size risks. These include risks related to uranium prices; fuel cost; the governing fiscal and legislative regimes in the countries it operates in; the timing of key developments; market conditions; capital and operating costs; foreign exchange rates; resources; access to capital; operating parameters; permitting; environment; indigenous people; and staffing and key personnel retention. Denison's assets could be negatively affected by the ongoing restrictions to travel, social-distancing measures, and other challenges related to the COVID-19 pandemic.

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Exhibit 5. Company Snapshot

Financial Data	2020A	2021A	2022E	2023E	Realized Metal Prices & Costs	2020A	2021A	2022E	2023E
Average share price (C\$)	0.96	1.57	1.54	1.38	Uranium, U3O8 (US\$/lb)	29.52	35.19	50.55	55.00
Wt. Avg. S/O (mm)	637.5	783.7	815.4	818.3	Forex CAD to USD	0.74	0.80	0.79	0.79
EPS (f.d.) (C\$/sh)	(0.03)	(0.03)	(0.03)	(0.03)					
CFPS bf WC (C\$/sh)	(0.02)	(0.03)	(0.04)	(0.03)	Production and Sales	2020A	2021A	2022E	2023E
					Total U3O8 Production (000' lbs)	0	0	0	0
Income Statement (C\$mm)	2020A	2021A	2022E	2023E					
Revenues	14.4	20.0	17.5	12.1	NAV Analysis				
Operating Costs	10.6	12.9	11.6	10.4		8% Dis	scount	10% Discount	
Royalty	0.0	0.0	0.0	0.0		\$mm	\$/sh	\$mm	\$/sh
Depreciation	2.5	2.6	3.9	4.0	Mining Assets				
Exploration	9.0	20.0	35.0	20.0	McClean Mill Complex (22.5%)	50.0	0.06	50.0	0.06
Reclamation	0.0	0.0	0.0	0.0	Athabasca Basin Resources (22.5% to 60%)	799.1	0.96	799.1	0.96
G & A	3.3	4.3	6.1	5.0	Phoenix (95%)	731.9	0.88	587.5	0.70
Interest Expense	4.2	4.1	1.6	0.0	Gryphon (95%)	242.5	0.29	167.0	0.20
Unrealized Gains (losses) on Uranium	0.0	41.4	31.1	8.9	Hook-Carter Property	3.8	0.00	3.8	0.00
UnRealized Hedge Gain (loss)	0.0	0.0	0.0	0.0	Total Project NAV	1827.3	2.19	1607.4	1.93
o ()					•				
EBITDA	(5.8)	28.5	14.4	(11.4)	Other Tangible Assets				
EBIT	(8.2)	25.9	10.5	(15.4)	Physical Uranium Holdings (12-month Forward)	173.1	0.21	173.1	0.21
EBT	(12.5)	21.8	8.9	(15.4)	Investment - GoviEx	8.2	0.01	8.2	0.01
Taxes (recovery)	(0.9)	(2.0)	(0.8)	0.0	Total Other Assets 181.3 0.22 181.3		181.3	0.22	
Effective tax rate	na	na	na	na	Corporate Adjustments				
Minority interest	-	-	-	-	Working Capital	55.2	0.07	55.2	0.07
Reported net earnings	(16.3)	19.0	7.6	(15.4)	Long Term Debt	0.0	-	0.0	-
Adjusted net earnings	(16.3)	(22.5)	(23.5)	(24.3)	In the Money Options/Warrants	11.8	0.01	11.8	0.01
EPS Reported (C\$/sh.)	(0.03)	0.02	0.01	(0.02)	Estimated Working Capital Changes	0.0	-	0.0	-
EPS (Adjusted) (C\$/sh.)	(0.03)	(0.03)	(0.03)	(0.03)	Estimated Debt Additions	0.0	-	0.0	-
- (), , (- + -),	()	()	()	()	Total Corporate Adjustments	66.9	0.08	66.9	0.08
Revenues By Metal (C\$mm)	2020A	2021A	2022E	2023E	Total Net Asset Value C\$/sh.		2.49		2.22
Uranium/Tolling	3.6	3.2	10.0	4.5	_				
Vanadium	0.0	0.0	0.0	0.0		Tonnes	Grade	Interest	Containe
					Asset	kt	%	%	mmlb
Cash Flow Statement (C\$mm)	2020A	2021A	2022E	2023E	McClean Lake - Athabasca Basin	977	1.24	22.5	6
Operating CF bf. ch. in WC	(13.2)	(21.0)	(35.1)	(22.8)	Midwest Deposit -Athabasca Basin	1,865	1.68	25.17	17
CF from operating activities	(13.5)	(21.2)	(33.7)	(22.8)	Wheeler River - Athabasca	1,891	3.24	95.0	128
CF from financing activities	30.5	159.8	9.1	0.0	Waterbury - Athabasca	291	1.50	65.9	12
CF from investing activities	0.3	(99.0)	(3.2)	0.0	Millennium	1,854	2.57	15.0	16
CAPEX	(0.3)	(1.2)	(3.6)	0.0	Christie Lake	588	1.57	17.2	4
CFPS bf. ch. in WC (C\$/sh)	(0.02)	(0.03)	(0.04)	(0.03)	Total Resources (all categories, M+I+I)	5,025	3.30		183
· ·					_ <i>,</i>				
Balance Sheet (C\$mm)	2020A	2021A	2022E	2023E	US\$ EV/lb Athaba	sca Basin a	and catego	ries (M+I+I)	\$4.65
Cash	25.0	64.0	36.5	13.7					
Current assets	49.4	86.9	53.9	31.1	Resources				
Total assets	320.7	510.3	502.9	485.0					
Current liabilities	11.8	16.4	19.1	19.1					
Long term debt	0.0	0.0	0.0	0.0	_				
Total liabilities	93.4	113.6	86.4	81.9	Resources by As	set (mm lb	U3O8)		
New Originally a latencet	0.0	0.0	0.0	0.0					



0.0

37.6

0.0

70.5

0.0

34.8

0.0

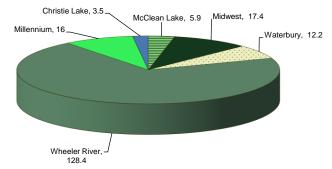
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Source: Company, TD Securities Inc.

Non Controlling Interest

Working Capital

Resources by Asset (mm lb U3O8)





August 23, 2022

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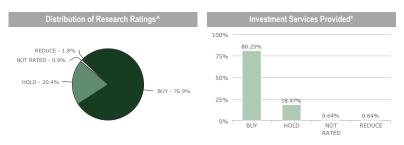
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