Sprott	quity Research	
Ticker: FCU CN	Net cash: C\$53m	Project: Patterson L

Ticker: FCU CN	Net cash: C\$53m	Project: Patterson Lake South (PLS)
Market cap: C\$348m	Price: C\$0.54/sh	Country: Saskatchewan, Canada
RECOMMEND. (unc): BUY	TARGET (unc): C\$0.80/sh	RISK RATING: HIGH

Fission's winter 2021 drill results released today will accomplish Fission's goal of upgrading 10Mlbs of inferred material at R780E with the likely bonus of more lbs and a lift in grade. Results including **14.5m @ 6.1% U308 from 265m DH and 11.5m @ 4.6% from 259.5m DH** were in the area targeted for conversion, located to the east of line 900, and at depths below 200m. Today's results indicate high grade zones in the footwall and hanging wall well above the 0.8% U308 modelled in the current inferred resource for these areas. Just a 50m strike by 50m depth at 10m thickness "jewel box" at 5% could represent ~7.5Mlbs, highlighting the value of infill drilling given the potential for very high grade material. The upcoming summer program is focused on R840W, with a resource of 14.7Mlbs at 1.8% U308 that was not incorporated into the PFS mine life. Stepping back, one year of mine life at a 1.3% U308 adds SCPe ~C\$300m of FCF, nearly equivalent to FCU's market cap, and this year's drilling is likely to add 2-3 years to the mine plan in our view. We maintain our BUY rating and price target of C\$0.80/sh, based on 0.8x NAV8%-50/lb.

Infill at R780E should lift grade and lbs to add to mine plan for the DFS

Fission announced the remaining results from winter 2021 drilling which focused on upgrading 10.1Mlbs at 0.8% U3O8 of inferred material to indicated for DFS mine plan inclusion. The majority of the inferred lbs are located just east of line 900 at depths of 200-350m. Results included **14.5m @ 6.1% U3O8 from 265m on line 915E** and **11.5m @ 4.6% from 259.5m DH on line 900E**. Other results added high grade further east along strike including 17m @ 2.97% U3O8 from 220m on line 1065E and 1.5m @ 1.52% from 226.5 on line 1125E.

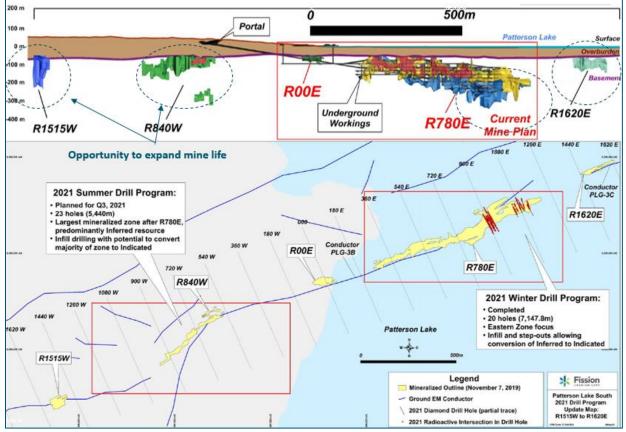


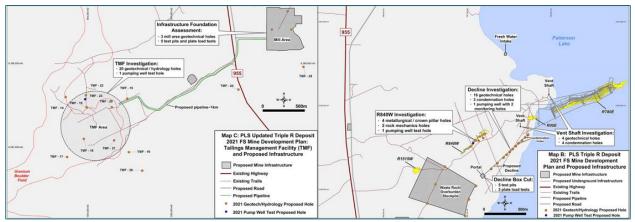
Figure 1: Map of PLS deposits and 2021 drilling programs

Source: Fission Uranium, SCP



13 July 2021

Figure 2: Proposed FS development plan (A) plant, TMF and site infrastructure,(B) mine development



Source: Fission Uranium, SCP

Why we like Fission Uranium

- World class size, grade, jurisdiction and setting make this a globally significant asset.
- Trading at less than half of the peer EV/insitu average
- Has significant exploration holding in the highly prolific Patterson trend to add to 135Mlb resource base
- Significant potential synergies with neighbour NexGen as two projects are less than 20km apart

Catalysts

- 2021: Commence EA
- 2Q22: FS completion
- 2023 EIS
- 2025/2026 Construction start (SCPe 2H25)
- 2028/2029 First production (SCPe 2028)

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Ticker: FCU CN	Price / mkt c	ap:	C\$0.54/sh, C			Market P/NAV:	0.60x		Assets:	PLS	
Justin Chan / Brandon Gaspar	Rec / PT:		BUY / C\$0.80)		1xNAV _{2Q20} FD:	C\$0.90/sh		Country:	Canada (Sask)	
Group-level SOTP valuation	1021	2Q21				Share data					
		C\$m	O/ship	NAVx	C\$/sh	Basic shares (m): 643.7	FD +	options (m):	699.5	FD + FF	944.7
PLS NPV 2Q21		749.6	100%	1.0x	1.07	Commodity price	CY25E	CY26E	CY27E	CY28E	CY29E
Central SG&A & fin costs 2Q21		(209.9)		1.0x	(0.30)	Uranium price (US\$/lb)	50.0	50.0	50.0	50.0	50.0
.bs outside mine plan (US\$1/lb U3O8) Other assets		14.9 1.3		1.0x 1.0x	0.02	Ratio analysis FD shares out (m)	CY25E 937.8	CY26E 944.7	CY27E 944.7	CY28E 944.7	CY291 944.7
Cash and restr. cash 1Q21		59.8		1.0x	0.09	EPS (C\$/sh)	0.001	(0.028)	(0.086)	0.117	0.233
Debt 1Q21		(7.2)		1.0x	(0.01)	CFPS before w/c (C\$/sh)	0.00	(0.00)	(0.00)	0.36	0.49
TM options		20.1		1.0x	0.03	FCFPS pre growth (C\$/sh)	0.00	(0.03)	(0.09)	0.23	0.39
1xNAV8% US\$50/lb		629			0.90	FCF/sh (C\$/sh)	(0.13)	(0.57)	(0.67)	0.23	0.39
Assumed build equity issuance		300.0			0.32	FCF yield - pre growth (%)	0.2%	neg	neg	54.6%	92.8%
LxNAV fully funded8% US\$50/lb		929			0.98	FCF yield (%)	neg	neg	neg	54.6%	92.8%
P/NAV - fully diluted for build (x)					0.55x	EBITDA margin (%)				63.8%	67.0%
Farget multiples		Multiple			C\$/sh	FCF margin (%)			33.1%	43.0%	48.8%
Farget P/NAV Multiple		0.80x			0.80	ROA (%)	0.1%	(1.9%)	(4.7%)	6.8%	13.9%
Farget price					0.80	ROE (%)	0.1%	(4.2%)	(14.8%)	16.8%	25.0%
Sources			Uses		0.00					22.6%	34.2%
	CC1177-	CCD-		The entire a	664.0	ROIC (%)	(2.7%)	(0.7%)	(0.4%)		
	C\$1177m		3Q20 cash +		C\$18m	EV (C\$m)	(79)	459	1,088	971	662
SCPe contingency		N	/line debt @		C\$900m	PER (x)	452.6x	(14.8x)	(4.8x)	3.5x	1.8x
SCPe G&A + fin. cost to first Au				Build Equity	C\$300m	P/CF (x)	426.6x	(1056.0x)	(319.6x)	1.2x	0.9x
SCPe working capital	-C\$1m			Offtake	C\$300m	P/Book value (x)	0.6x	0.6x	0.7x	0.6x	0.4x
Total uses	C\$1518m		To	tal proceeds	C\$1518m	EV/EBITDA (x)	15.8x	(91.9x)	(217.7x)	2.4x	1.2x
LxNAV sensitivity to gold price and discour	nt / NAV multi	ple				Income statement	CY25E	CY26E	CY27E	CY28E	CY29
1xNAV PLS (C\$m)	\$30/lb	\$40/lb	\$50/lb	\$60/lb	\$70/lb	Revenue (C\$m)				647	847
10% discount	-29	255	538	822	1,106	COGS (C\$m)				(230)	(275
9% discount	5	321	636	952	1,268	Gross profit (C\$m)				418	573
8% discount	45	397	750	1,102	1,454	Expenses (C\$m)	(5)	(5)	(5)	(5)	(5)
7% discount	92	486	880	1,274	1,668	Impairment & other (C\$m)			(5)		(5)
6% discount	149	590	1,031	1,473	1,914	Net finance costs (C\$m)	6	(22)	(76)	(92)	(66)
5% discount	216	711	1,206	1,701	2,196	Tax (C\$m)				(77)	(107
Valuation (C\$/sh)	\$30/lb	\$40/lb	\$50/lb	\$60/lb	\$70/lb	Minority interest (C\$m)					
0.6xNAV	nmf	0.25	0.60	0.95	1.30	Net income attr. (C\$m)	1	(27)	(81)	244	394
0.7xNAV	nmf	0.30	0.70	1.10	1.50	EBITDA	1	(27)	(81)	111	220
0.80xNAV	nmf	0.35	0.80	1.25	1.70	Cash flow	CY25E	CY26E	CY27E	CY28E	CY29
0.9xNAV	nmf	0.35	0.90	1.40	1.90	Profit/(loss) after tax (C\$m)	1	(27)	(81)	111	220
1.0xNAV	nmf	0.40	1.00	1.55	2.15	Add non-cash items (C\$m)	0	26	80	227	241
Valuation over time	1Q20E	1Q21E	1Q22E	1Q23E	1Q24E	Less wkg cap / other (C\$m)				(55)	(14)
Vines NPV (US\$m)	750	813	888	970	1,064	Cash flow ops (C\$m)	1	(0)	(1)	283	448
	-196	-204	-215	-226	-238	PP&E (C\$m)	(120)	(509)	(548)	(30)	(30)
Cntrl G&A & fin costs (US\$m)	23	42	43	23	584	Other (C\$m)	(120)	(505)	(548)	(30)	(30)
Net cash at 1Q (US\$m)											
Other Assets + Options	21	21	21	21	21	Cash flow inv. (C\$m)	(120)	(509)	(548)	(30)	(30)
LxNAV (US\$m)	597	671	738	788	1,431	Debt draw (repayment) (C\$m)	(14)	450	450	(225)	(225)
P/NAV (x):	0.45	0.52	0.44	0.42	0.29	Equity issuance (C\$m)	4				
LxNAV share px FD (C\$/sh)	1.20	1.04	1.24	1.28	1.85	Other (C\$m)	(0)	(26)	(80)	(135)	(108
ROI to equity holder (% pa)	122%	93%	51%	33%	36%	Cash flow fin. (C\$m)	(9)	424	370	(360)	(333
1.2xNAV share px FD (C\$/sh)	1.44	1.25	1.48	1.53	2.22	Net change post forex (C\$m)	(129)	(86)	(179)	(108)	84
ROI to equity holder (% pa)	167%	132%	66%	42%	42%	FCF (C\$m)	(119)	(536)	(629)	214	365
Resource / Reserve	Mt	Mlbs		EV/oz Ag	EV/lb	Balance sheet	CY25E	CY26E	CY27E	CY28E	CY29
Aeasured, ind. & inf Triple R	3,437	135.2		1.85	1.85	Cash (C\$m)	464	378	199	91	176
CPe Mine inventory - Triple R	3,918	127.5		1.96	1.85	Accounts receivable (C\$m)	404	0	0	25	32
			CV205								
Production (100%)	CY27E	CY28E	CY29E	CY30E	CY31E	Inventories (C\$m)				57	69
riple R (000lb U3O8)		10.0	13.0	15.0	13.4	PPE & exploration (C\$m)	490	1,000	1,547	1,443	1,299
riple R cash cost (US\$/lb)		\$17.74	\$16.20	\$15.30	\$15.47	Other (C\$m)	0	0	0	0	0
riple R AISC (US\$/lb)		\$20.42	\$18.26	\$17.08	\$17.47	Total assets (C\$m)	955	1,378	1,747	1,617	1,576
C1 = opex (excl. G&A) + royalties; AISC = C1						Debt (C\$m)	(6)	444	894	669	444
Triple R (000oz	.)		Group AISC (U	S\$/oz)	ucéso ///	Other liabilities (C\$m)	304	304	304	288	250
20mlbs					US\$30/Ib	Shareholders equity (C\$m)	806	806	806	806	806
15mlbs					US\$25/lb	Retained earnings (C\$m)	(148)	(175)	(256)	(146)	74
10mlbs	~				US\$20/lb	- · ·				(140)	
						Minority int. & other (C\$m)					
5mlbs					- US\$15/lb	Liabilities+equity (C\$m)	955	1,378	1,747	1,617	1,574
Omlbs					US\$10/lb	Net cash (C\$m)	469	(67)	(696)	(578)	(269,
0/075	CV20	-	CVOOF	CV/2.1E		Net Debte NTM COITDA ()			4 7	1.0	0.4

CY27E

CY28E

CY29E

CY30E

CY31E

Net Debt to NTM EBITDA (x)

nmf

nmf

1.7 1.0 0.4

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Summary of Recommendations as of July 202	1
BUY:	44
HOLD:	0
SELL:	0
UNDER REVIEW:	0
TENDER:	0
NOT RATED:	0
TOTAL	44

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