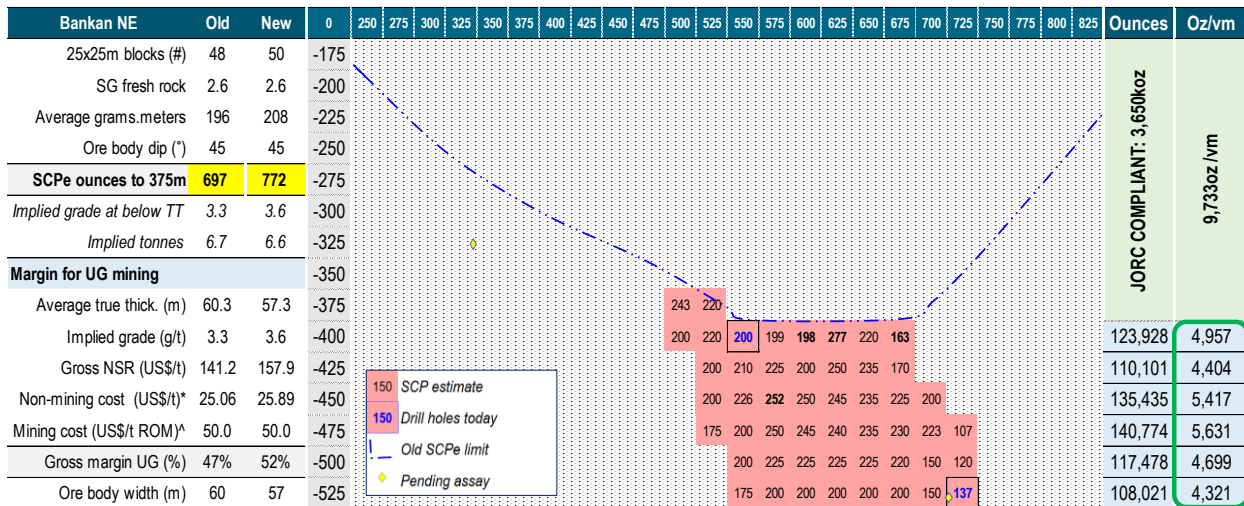


Ticker: PDI AU **Cash:** A\$20m **Project:** Bankan Ck / NE
Market cap: A\$340m **Price:** A\$0.25/sh **Country:** Guinea
REC. (unc): BUY **TARGET (unc):** A\$0.45/sh **RISK RATING (unc):** SPECULATIVE

Today's headline down-dip composite of 43m @ 4.6g/t at Bankan NE, and a second deeper hole, adds ~75koz to our post-MRE estimate, itself now standing at 772koz for group potential 4.4Moz. We estimate a ~50% gross margin at US\$1,500/oz in an UG (Figure 1, LHS), with margins expandable if a smaller higher-grade subset is targeted. This is critical given the 5koz/vm implies a potential 5Moz UG should this tenor continue for 1km, for example. Maintaining our UG inventory of 500koz @ 3.5g/t, **we maintain our BUY rating and A\$0.45/sh PT** based on 0.4xNAV_{5%-1850} at build start for a 2.9Moz pit in addition to the 500koz UG above, US\$30/oz for resources outside reserves, and exploration at A\$20m (500koz @ US\$30/oz). With two rigs drilling deeps here, and regional auger targeting underway, the next 9M should be drill-bit-busy for Predictive with a healthy A\$20m cash to fund aggressive drilling.

Figure 1. SCP resource estimate outside existing MRE, showing cross section of today's drilling inset

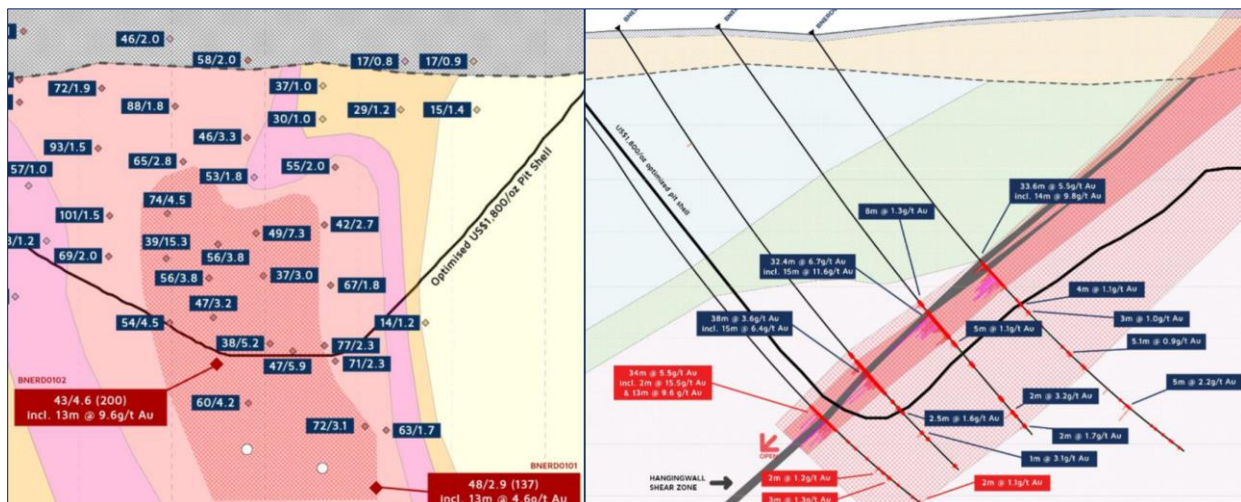


Source: SCPe, based on 90% recovery, 50% gross margin, US\$15/t processing, US\$2.50/t mining, 5% royalty; ounces adjusted for ~45 degree dip of ore body

34m @ 5.5g/t lifts SCPe UG additions to 772koz; consistent ~5koz/vm points to big upside

Two holes released by predictive intersected 34m @ 5.5g/t (within composite 43m @ 4.6g/t) in the core of the high-grade tongue, just under the existing MRE. A second hole hit 13m @ 4.6g/t (within composite 48m @ 2.9g/t) on the edge of the tongue, but ~130m below the pit-constrained MRE.

Figure 2. (A) Long and (B) cross-section showing drilling from Bankan NE deeps



Source: Predictive

Why we like Predictive Discovery

1. Free-milling Bankan 3.6Moz MRE already above critical mass so 'will be a mine'
2. Bankan Creek satellite offers high-grade starter pit
3. UG potential likely with 24m @ 8.8g/t deepest hole on 'tongue' open at depth
4. Multiple discoveries near mine / along strike / country wide over 5000km² to be followed up
5. Strong management and board representing ECM, mine building and geology

Catalysts

- 4Q21: Aircore drilling on near mine targets (*following 28m @ 12.1g/t*)
- CY22: Bankan Creek step-out / deeper drilling (*deepest 6.8m @ 8.1g/t within 26m @ 3.1g/t*)
- CY22: Bankan NE UG drilling (*deepest 60m @ 4.2g/t composite*)
- CY22: Regional drilling north of Bankan (*following 12m @ 9.8g/t at AG1*)
- CY22: Drilling on discrete Koundian project (*following 6m @ 32g/t to EOH, and 4m @ 45g/t*)
- CY23: SCPe ML, including requisite excise from national park buffer zone

Research

Brock Salier (London) M: +44 7400 666 913 bsalier@sprott.com

Justin Chan (London) M: +44 7554 784 688 jchan@sprott.com

Brandon Gaspar (Toronto) M: +1 437 533 3142 bgaspar@sprott.com

Eleanor Magdzinski (Toronto) M: +1 705 669 7456 emagdzinski@sprott.com

Ticker: PDI AU	Price / mkt cap: A\$0.25/sh, A\$340m	Project PNAV today: 0.26x	Asset: Bankan Ck / NE
Author: B Salier B Gaspar	Rec/0.4xNAV PT: BUY, A\$0.39/sh	1xNAV_{3Q24} FF FD: A\$1.06/sh	Country: Guinea

Commodity price	CY21E	CY22E	CY23E	CY24E	CY25E
Gold price	1,950	1,950	1,950	1,950	1,950
SOTP project valuation*					
	A\$m	O/ship	NAVx	A\$/sh	
Ungeared @ build start (3Q23)	1,408	100%	1.00x	0.92	
Cash 3Q21	23.9	100%	1.00x	0.02	
Cash from options	9.9	100%	1.00x	0.01	
Resources ex inventory @ US\$30/oz	32.8	100%	1.00x	0.02	
Explor'n (SCPe 500koz @ \$50/oz)	20.1	100%	1.00x	0.01	
Asset NAV9% US\$1950/oz	1,495			0.98	

*Shares diluted for options mine build Market P/NAV5_{3Q23} 0.26x

Asset value: 1xNPV project @ build start (A\$m, ungeared)*					
Project NPV (A\$m)	\$1650oz	\$1750oz	\$1850oz	\$1950oz	\$2050oz
Discount rate: 9%	1,026	1,180	1,333	1,495	1,645
Discount rate: 7%	1,167	1,336	1,503	1,681	1,845
Discount rate: 5%	1,331	1,518	1,702	1,897	2,078
Ungeared project IRR:	39%	43%	48%	52%	57%
Project NPV (A\$/sh)	\$1650oz	\$1750oz	\$1850oz	\$1950oz	\$2050oz
Discount rate: 9%	0.67	0.78	0.88	0.98	1.08
Discount rate: 7%	0.77	0.88	0.99	1.10	1.21
Discount rate: 5%	0.87	1.00	1.12	1.25	1.37

*Project NPV, ex fin. costs and cent G&A, discounted to build start

Group NAV over time^	4Q21	4Q22	4Q23	4Q24	4Q25
Bankan NPV (A\$m)	1,205.7	1,314.5	1,456.8	1,787.3	2,236.8
G&A and finance costs (A\$m)	(122.9)	(119.5)	(124.4)	(127.0)	(91.5)
Net cash prior qtr (A\$m)	23.9	10.9	220.9	149.9	146.9
Cash from options (A\$m)	9.9	9.9	9.9	9.9	9.9
Exploration (A\$m)	52.9	52.9	52.9	52.9	52.9
NAV FF FD (A\$m)	1,169	1,269	1,616	1,873	2,355
Shares in issue (m)	1,361	1,522	1,522	2,001	2,001
1xNAV/sh FF FD (A\$/sh)*	0.86	0.83	1.06	0.94	1.18

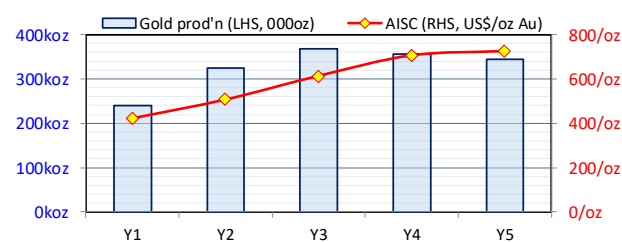
Geared NAV at first pour, diluted for build, net G&A and fin. costs^

NAV at first gold (C\$m)	\$1650oz	\$1750oz	\$1850oz	\$1950oz	\$2050oz
Discount rate: 9%	1,796	1,980	2,162	2,355	2,534
Discount rate: 7%	1,892	2,086	2,278	2,482	2,671
Discount rate: 5%	2,000	2,207	2,410	2,626	2,827
Geared project IRR:	36%	40%	45%	49%	53%
NAV at first gold (C\$/sh)*	\$1650oz	\$1750oz	\$1850oz	\$1950oz	\$2050oz
Discount rate: 9%	0.81	0.93	1.05	1.18	1.30
Discount rate: 7%	0.88	1.01	1.14	1.27	1.40
Discount rate: 5%	0.97	1.11	1.24	1.38	1.52

^Project NPV incl grp SG&A & fin. cost, +net cash, *diluted for build equity

Production	Y1	Y2	Y3	Y4	Y5
Gold production (000oz)	239	325	367	356	344
C1 cost (US\$/oz)	354	369	417	430	444
AISC cost (US\$/oz)	424	508	613	705	724

AISC = C1 + ug sustaining capex, Y1 = CY25



Source: SCP estimates

Resource / Reserve	Tonnes	Grade	Ounces
3Q21 MRE	73Mt	1.56g/t	3646koz
SCP pit inventory	58Mt	1.62g/t	3028koz
SCP UG inventory	4443Mt	3.00g/t	500koz
Project: USES		Funding: SOURCES	
Pre-DFS exploration / G&A:	A\$22m	Cash 3Q21 + pre-Au ITM op.:	A\$34m
Build capex:	A\$632m	Build equity @ 0.5xNAV:	A\$230m
Fin. cost + WC over DFS:	A\$23m	65% geared debt @ 8%:	A\$411m
TOTAL USES:	A\$677m	TOTAL SOURCES:	A\$675m
Buffer / drill budget: -A\$3m			

Share data	Basic	FD with options	FD for build		
Basic shares (m)	1,360.6	1,522.2	2,001		
Ratio analysis	CY20A	CY21E	CY22E	CY23E	CY24E
Average shares out (m)	1,360.6	1,502.0	1,522.2	1,522.2	1,522.2
EPS (A\$/sh)	-	-	-	-	-
CFPS (A\$/sh)	-	-	-	-	-
EV (A\$m)	326.4	355.4	372.3	185.7	789.9
FCF yield (%)	-	-	-	-	-
PER (x)	-	-	-	-	-
P/CF (x)	-	-	-	-	-
EV/EBITDA (x)	-	-	-	-	-

Income statement	CY20A	CY21E	CY22E	CY23E	CY24E
Net revenue (A\$m)	-	-	-	-	-
COGS (A\$m)	-	-	-	-	-
Gross profit (A\$m)	-	-	-	-	-
D&A, attrib (A\$m)	0.0	-	-	-	-
G&A + sh based costs (A\$m)	2.2	2.7	2.9	3.5	4.0
Finance cost (A\$m)	2.5	16.6	9.0	-	8.1
Taxes (A\$m)	-	-	-	-	-
Net income (A\$m)	(4.8)	(19.3)	(11.9)	(3.5)	(12.1)
Cash flow, attrib.	CY20A	CY21E	CY22E	CY23E	CY24E
EBIT (A\$m)	(2.2)	(2.7)	(2.9)	(3.5)	(4.0)
Add back D&A (A\$m)	0.0	-	-	-	-
Less tax + net interest (A\$m)	2.5	16.6	9.0	-	8.1
Net change in wkg cap (A\$m)	(0.9)	-	-	0.1	-
Other non-cash (A\$m)	(7.0)	(32.6)	(18.0)	-	(16.3)
Cash flow ops (A\$m)	(7.5)	(18.6)	(11.9)	(3.3)	(12.1)
PP&E - build + sust. (A\$m)	2.1	0.3	-	40.0	592.1
PP&E - expl'n (A\$m)	-	0.0	-	-	-
Cash flow inv. (A\$m)	(2.1)	(0.3)	-	(40.0)	(592.1)
Share issue (A\$m)	21.3	24.8	-	230.0	-
Debt draw (repay) (A\$m)	-	-	-	-	410.9
Cash flow fin. (A\$m)	21.3	24.8	-	230.0	410.9
Net change in cash (A\$m)	11.7	5.8	(11.9)	186.7	(193.4)
EBITDA (A\$m)	(4.7)	(19.3)	(11.9)	(3.5)	(4.0)

Balance sheet	CY20A	CY21E	CY22E	CY23E	CY24E
Cash (A\$m)	13.7	20.1	8.2	194.9	1.5
Acc rec., inv, prepaid (A\$m)	0.1	0.1	0.1	-	-
PP&E + other (A\$m)	7.6	8.0	8.0	48.0	640.1
Total assets (A\$m)	21	28	16	243	642
Debt (A\$m)	-	-	-	-	410.9
Accounts payable (A\$m)	1.0	1.0	1.0	1.0	1.0
Total liabilities (A\$m)	1.0	1.0	1.0	1.0	411.9
Issued capital (A\$m)	52.9	77.6	77.6	307.6	307.6
Retained earnings (A\$m)	(32.4)	(50.4)	(62.3)	(65.7)	(77.9)
Liabilities + equity (A\$m)	21	28	16	243	642

DISCLOSURES & DISCLAIMERS

This research report (as defined in IIROC Rule 3400) is issued and approved for distribution in Canada by Sprott Capital Partners LP (“SCP”), an investment dealer who is a member of the Investment Industry Regulatory Organization of Canada (“IIROC”) and the Canadian Investor Protection Fund (“CIPF”). The general partner of SCP is Sprott Capital Partners GP Inc. and SCP is a wholly-owned subsidiary of Sprott Inc., which is a publicly listed company on the Toronto Stock Exchange under the symbol “SII”. Sprott Asset Management LP (“SAM”), a registered investment manager to the Sprott Funds and is an affiliate of SCP. This research report is provided to retail clients and institutional investors for information purposes only. The opinions expressed in this report are the opinions of the author and readers should not assume they reflect the opinions or recommendations of SCP’s research department. The information in this report is drawn from sources believed to be reliable but the accuracy or completeness of the information is not guaranteed, nor in providing it does SCP and/or affiliated companies or persons assume any responsibility or liability whatsoever. This report is not to be construed as an offer to sell or a solicitation of an offer to buy any securities. SCP accepts no liability whatsoever for any loss arising from any use or reliance on this research report or the information contained herein. Past performance is not a guarantee of future results, and no representation or warranty, expressed or implied, is made regarding future performance of any security mentioned in this research report. The price of the securities mentioned in this research report and the income they generate may fluctuate and/or be adversely affected by market factors or exchange rates, and investors may realize losses on investments in such securities, including the loss of investment principal. Furthermore, the securities discussed in this research report may not be liquid investments, may have a high level of volatility or may be subject to additional and special risks associated with securities and investments in emerging markets and/or foreign countries that may give rise to substantial risk and are not suitable for all investors. SCP may participate in an underwriting of, have a position in, or make a market in, the securities mentioned herein, including options, futures or other derivatives instruments thereon, and may, as a principal or agent, buy or sell such products.

DISSEMINATION OF RESEARCH: SCP’s research is distributed electronically through email or available in hard copy upon request. Research is disseminated concurrently to a pre-determined list of clients provided by SCP’s Institutional Sales Representative and retail Investment Advisors. Should you wish to no longer receive electronic communications from us, please contact unsubscribe@sprott.com and indicate in the subject line your full name and/or corporate entity name and that you wish to unsubscribe from receiving research.

RESEARCH ANALYST CERTIFICATION: Each Research Analyst and/or Associate who is involved in the preparation of this research report hereby certifies that:

- The views and recommendations expressed herein accurately reflect his/her personal views about any and all of the securities or issuers that are the subject matter of this research report;
- His/her compensation is not and will not be directly related to the specific recommendations or view expressed by the Research analyst in this research report;
- They have not affected a trade in a security of any class of the issuer within the 30-day period prior to the publication of this research report;
- They have not distributed or discussed this Research Report to/with the issuer, investment banking group or any other third party except for the sole purpose of verifying factual information; and
- They are unaware of any other potential conflicts of interest.

UK RESIDENTS: Sprott Partners UK Limited (“Sprott”) is an appointed representative of PillarFour Securities LLP, which is authorized and regulated by the Financial Conduct Authority. This document has been approved under section 21(1) of the FMSA 2000 by PillarFour Securities LLP (“PillarFour”) for communication only to eligible counterparties and professional clients as those terms are defined by the rules of the Financial Conduct Authority. Its contents are not directed at UK retail clients. PillarFour does not provide investment services to retail clients. PillarFour publishes this document as non-independent research which is a marketing communication under the Conduct of Business rules. It has not been prepared in accordance with the regulatory rules relating to independent research, nor is it subject to the prohibition on dealing ahead of the dissemination of investment research. It does not constitute a personal recommendation and does not constitute an offer or a solicitation to buy or sell any security. Sprott and PillarFour consider this note to be an acceptable minor non-monetary benefit as defined by the FCA which may be received without charge. This is because the content is either considered to be commissioned by Sprott’s clients as part of their advisory services to them or is short term market commentary. Neither Sprott nor PillarFour nor any of its directors, officers, employees or agents shall have any liability, howsoever arising, for any error or incompleteness of fact or opinion in it or lack of care in its preparation or publication; provided that this shall not exclude liability to the extent that this is impermissible under the law relating to financial services. All statements and opinions are made as of the date on the face of this document and are not held out as applicable thereafter. This document is intended for distribution only in those jurisdictions where PillarFour is permitted to distribute its research.

IMPORTANT DISCLOSURES FOR U.S. PERSONS: This research report was prepared by Sprott Capital Partners LP (“SCP”), a company authorized to engage in securities activities in Canada. SCP is not a registered broker/dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to “major U.S. institutional investors” in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the “Exchange Act”). Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Sprott Global Resource Investments Ltd. (“SGRIL”), a broker dealer in the United States registered with the Securities Exchange Commission (“SEC”), the Financial Industry Authority (“FINRA”), and a member of the Securities Investor Protection Corporation (“SIPC”). Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through SCP.

SGRIL accepts responsibility for the contents of this research report, subject to the terms set out below, to the extent that it is delivered to a U.S. person other than a major U.S. institutional investor. The analyst whose name appears in this research report is not licensed, registered, or qualified as a research analyst with FINRA and may not be an associated person of SGRIL and, therefore, may not be subject to applicable restrictions under FINRA Rule 2241 regarding communications by a research analyst with a subject company, public appearances by the research analyst, and trading securities held by a research analyst account. To make further inquiries related to this report, United States residents should contact their SGRIL representative.

ANALYST CERTIFICATION / REGULATION AC: The analyst and associate certify that the views expressed in this research report accurately reflect their personal views about the subject securities or issuers. In addition, the analyst and associate certify that no part of their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

SPROTT CAPITAL PARTNERS EXPLANATION OF RECOMMENDATIONS: Should SCP issue research with recommendations, the research rating guidelines will be based on the following recommendations:

BUY: The stocks total returns are expected to be materially better than the overall market with higher return expectations needed for more risky securities markets

NEUTRAL: The stock's total returns are expected to be in line with the overall market

SELL: The stocks total returns are expected to be materially lower than the overall market

TENDER: The analyst recommends tendering shares to a formal tender offering

UNDER REVIEW: The stock will be placed under review when there is a significant material event with further information pending; and/or when the research analyst determines it is necessary to await adequate information that could potentially lead to a re-evaluation of the rating, target price or forecast; and/or when coverage of a particular security is transferred from one analyst to another to give the new analyst time to reconfirm the rating, target price or forecast.

NOT RATED ((N/R): The stock is not currently rated

Research Disclosure		Response
1	SCP and its affiliates collectively beneficially owns 1% or more of any class of the issuer's equity securities ¹	YES
2	The analyst or any associate of the analyst responsible for the report or recommendation or any individual directly involved in the preparation of the report holds or is short any of the issuer's securities directly or through derivatives	NO
3	An SCP partner, director, officer or analyst involved in the preparation of a report on the issuer, has during the preceding 12 months provided services to the issuer for remuneration other than normal course investment advisory or trading execution services	NO
4	SCP has provided investment banking services for the issuer during the 12 months preceding the date of issuance of the research report or recommendation	YES
5	Name of any director, officer, employee or agent of SCP who is an officer, director or employee of the issuer, or who serves in an advisory capacity to the issuer	NO
6	SCP is making a market in an equity or equity related security of the issuer	NO
7	The analyst preparing this report received compensation based upon SCP's investment banking revenue for the issuer	NO
8	The analyst has conducted a site visit and has viewed a major facility or operation of the issuer	YES
9	The analyst has been reimbursed for travel expenses for a site visit by the issuer	NO

Sprott Capital Partners Equity Research Ratings:

Summary of Recommendations as of December 2021	
BUY:	48
HOLD:	0
SELL:	0
UNDER REVIEW:	0
TENDER:	1
NOT RATED:	0
TOTAL	49

¹ As at the end of the month immediately preceding the date of issuance of the research report or the end of the second most recent month if the issue date is less than 10 calendar days after the end of the most recent month