

# S.A Bond Manager Watch™ Survey for the month ending May 2023



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# S.A. BOND MANAGER WATCH™ SURVEY

Objective - The portfolios included in the specialist bond category of this survey represent portfolios with ALBI as their benchmark and have an effective modified duration mandate of  $\pm 2$  years around the ALBI.

GENERAL INFORMATION								
	GIPS™ (Verified/ Compliant)	Managed ito Regulation 28? (Y/N)	Benchmark Description	Portfolio Modified Duration	% Invested in AAA rated instruments	No.of funds in composite	Portfolio Size (R m)	Admin - efficiency : Date data submitted
INVESTMENT MANAGERS								
SPECIALIST BONDS								
Absa Asset Management Bond Fund	V	N	All Bond Index	5.85	100.00%	1	4 537	06 June 2023
Alexander Forbes Investments Pure Fixed Interest Local	N/A	Y	ALBI (business day series)	5.94	76.42%	N/A	4 957	12 June 2023
Allan Gray Bond Fund	V	Y	All Bond Index	4.77	54.29%	1	6 330	08 June 2023
Aluwani Active Bond	N/A	Y	All Bond Index	6.15	86.97%	12	10 400	14 June 2023
Argon SA Bond Fund	V	N	All Bond Index	7.01	100.00%	3	1 478	07 June 2023
Ashburton Bond Composite	C	Y	All Bond Index	6.43	77.14%	1	1 206	12 June 2023
Balondolozzi Bond Fund	C	Y	All Bond Index	6.95	90.29%	11	4 043	14 June 2023
Camissa Bond Fund	V	N	All Bond Index	7.16	73.62%	1	1 074	14 June 2023
Coronation Active Bond Portfolio (Composite)	V	Y	All Bond Index	6.54	88.94%	8	8 130	12 June 2023
Futuregrowth Core Bond Composite	C	Y	All Bond Index	6.53	86.78%	5	14 779	12 June 2023
Futuregrowth Listed YE Bond Fund	C	Y	All Bond Index	6.80	76.70%	1	229	12 June 2023
Futuregrowth Yield Enhanced	C	N	All Bond Index	6.67	38.38%	4	14 861	12 June 2023
Independent Alternatives Muhu Bond Fund	C	Y	All Bond Index	7.03	98.96%	5	420	12 June 2023
M&G Yield Enhanced Portfolio	V	Y	All Bond Index	6.33	92.76%	2	293	07 June 2023
Matrix Domestic Bond Fund	N/A	Y	All Bond Index	7.20	97.80%	1	2 117	09 June 2023
Momentum Investments SA Bond	C	Y	All Bond Index	6.66	92.00%	1	7 026	14 June 2023
Nedgroup Investments Core Bond Fund	N/A	N	All Bond Index	5.72	75.81%	N/A	4 816	14 June 2023
Ninety One Corporate Bond Composite	V	Y	All Bond Index	6.12	90.50%	9	28 149	13 June 2023
Ninety One Triple Alpha	V	Y	All Bond Index	6.34	1.04%	5	3 269	13 June 2023
PortfolioMetrix BCI SA Bond Fund	N/A	N	All Bond Index	6.83	84.65%	N/A	5 267	06 June 2023
Prescient Bond Quant	V	Y	All Bond Index	6.46	100.00%	1	565	09 June 2023
Prescient Bond QuantPlus	V	Y	All Bond Index	7.88	97.00%	5	5 807	09 June 2023
Prowess Corporate Bond Portfolio	N/A	Y	All Bond Index	4.78	76.35%	2	2 947	08 June 2023
SIM Institutional Total Return Bond Fund	V	Y	All Bond Index	6.25	82.00%	9	6 117	07 June 2023
STANLIB Core Bond Portfolio	V	Y	All Bond Index	6.44	93.00%	8	6 555	13 June 2023
STANLIB Multi-Manager Bond	N/A	Y	All Bond Index	6.60	63.20%	N/A	680	14 June 2023
Umthombo Wealth Active Bond Fund	C	Y	All Bond Index	5.59	76.66%	3	1 033	15 June 2023
VunaniFM Active Bond Fund	V	Y	All Bond Index	6.07	74.68%	22	10 186	09 June 2023
<b>TOTAL</b>							<b>157 270</b>	
INDICES								
All Bond Index				6.07				

# S.A. BOND MANAGER WATCH™ SURVEY

**Objective** - The participants in the flexible bond and inflation linked bond categories represent portfolios with various benchmarks.

GENERAL INFORMATION								
	GIPS™ (Verified/ Compliant)	Managed ito Regulation 28? (Y/N)	Benchmark Description	Portfolio Modified Duration	% Invested in AAA rated instruments	No.of funds in composite	Portfolio Size (R m)	Admin - efficiency : Date data submitted
INVESTMENT MANAGERS								
FLEXIBLE BONDS/INCOME								
Argon Flexible Income Fund	V	N	Stefi Composite*110%	4.31	97.34%	4	818	07 June 2023
Balondolozzi Income Fund	N/A	Y	Stefi Composite*110%	1.06	23.27%	2	834	14 June 2023
Coronation Absolute Bond Portfolio	V	N	All Bond Index	3.28	21.04%	3	4 683	12 June 2023
Coronation Flexible Fixed Interest	V	N	Higher of STeFI 3m/ALBI	6.44	81.57%	2	4 697	12 June 2023
Coronation Strategic Bond Composite	V	Y	All Bond Index	6.42	89.47%	6	6 363	12 June 2023
Granate Domestic Multi Income Fund	N/A	Y	Stefi + 1	1.60	30.00%	1	405	08 June 2023
Matrix Stable Income	N/A	N	STeFi Composite	0.75	27.62%	1	4 128	09 June 2023
Ninety One Flexible Bond Composite	V	Y	All Bond Index	6.61	1.11%	10	6 847	13 June 2023
PortfolioMetrix BCI Dynamic Income	N/A	Y	SteFi Composite Index	3.77	46.53%	N/A	5 912	06 June 2023
Prescient Flexible Bond	V	Y	All Bond Index	7.96	98.67%	6	8 821	09 June 2023
Sasfin BCI Flexible Income fund	N/A	Y	SteFi Composite Index	2.38	62.67%	1	9 844	14 June 2023
Terebinth Enhanced Income	C	Y	STeFi Composite	1.28	23.93%	1	657	13 June 2023
<b>TOTAL</b>							<b>54 007</b>	
INFLATION LINKED BONDS								
Aluwani Active Inflation Linked Bond	N/A	Y	JSE IGOV index	6.47	94.06%	3	996	14 June 2023
Balondolozzi Inflation Linked Fund	C	Y	JSE ASSA CILI	9.87	91.02%	2	908	14 June 2023
Futuregrowth Core ILB Fund	C	Y	JSE ASSA IGOV Index	9.68	98.19%	2	835	12 June 2023
Ninety One Inflation Linked Bond Composite	V	Y	IGOV	10.02	90.19%	3	1 280	13 June 2023
Prescient Inflation Linked Bond	V	Y	90 ILBI / 10 STEFI Call	10.59	90.51%	3	1 014	09 June 2023
SIM Inflation Linked Bond Fund	V	Y	IGOV Index	10.12	74.00%	3	988	07 June 2023
STANLIB Inflation Linked Bond Fund	V	N	STeFi Overnight Index 10%; Barclays Inflation Linked Government Bond Index 90%	9.86	88.00%	1	1 218	13 June 2023
VunaniFM Active Inflation-linked Bond Fund	V	Y	CILI	9.37	80.34%	4	2 437	09 June 2023
<b>TOTAL</b>							<b>9 676</b>	
INDICES								
All Bond Index				6.07				

BEE AND ESG DETAILS AS AT THE END OF MAY 2023

Manager	Empowerment Rating	Total empowerment Shareholding (%)	Empowerment Shareholding		We endorse/are signatories to:	
			Ownership/Partner(s)	Empowerment shareholding composition as a percentage of total empowerment ownership	CRISA (Code for Responsible Investing in South Africa)	PRI (United Nations Principles for Responsible Investing)
Absa Asset Management	Level 1	58.23%	Flow-through from Absa Financial Services Limited Flow-through from ARC Financial Services Investments (Pty) Ltd Flow-through from Sanlam Limited	17.50% 20.60% 61.90%	Yes	Yes
Alexander Forbes Investments	Level 1	51.38%	Flow-through from Alexforbes Group Holdings	100.00%	Yes	Yes
Allan Gray	Level 1	31.80%	E2 Investments Proprietary Limited Employee Empowerment Share Trust	55.97% 44.03%	Yes	Yes
ALUWANI Capital Partners	Level 1	84.00%	ALUWANI Management Partners (Pty) Ltd Aluwani Ventures (Pty) Ltd Khululu Capital (Pty) Ltd Temo Capital (Pty) Ltd	36.00% 16.00% 24.00% 24.00%	No	No
Argon	Level 1	78.90%	Executive Management External Holding Staff Share Trust	33.00% 18.00% 49.00%	Yes	Yes
Ashburton	Level 1	30.10%	BEE Partners Shareholding Other Royal Bafokeng Holdings (Pty) Ltd	17.28% 70.76% 11.96%	Yes	Yes
Balondoloz Investment Services	Level 1	54.07%	Balondoloz Employee Trust Fund Pedro Samuel Family Trust	49.00% 51.00%	Yes	Yes
Camissa Asset Management	Level 1	81.93%	Camissa Asset Management staff Sinayo Capital	74.00% 26.00%	Yes	Yes
Coronation	Level 1	21.57%	Black Staff Imvula Non-black staff	35.32% 54.23% 10.45%	Yes	Yes
Futuregrowth	Level 1	52.51%	AIH Ownership Imfundo Educational Trust OMES Black Management Trust OMIG Ownership	40.37% 10.09% 14.30% 35.23%	Yes	Yes
Granate	Level 1	18.91%	Granate Holdings (Pty) Ltd RMI Investment Managers Affiliates 2 (Pty) Ltd	70.00% 30.00%	Yes	Yes
Independent Alternatives	Level 2	51.00%	Executive Management Minority Shareholders	80.00% 20.00%	Yes	No
MandG Investments	Level 1	31.57%	MandG Staff Thesele Group	30.32% 69.68%	Yes	Yes
Matrix Fund Managers	Level 1	29.15%	Employees Sanlam Investment Holdings	21.48% 78.52%	Yes	Yes
Momentum AM	Level 1	52.05%	Coronation Asset Management Shareholder Government Employees Pension Fund Kagiso Tiso Other shareholders Rand Merchant Investment Holdings	20.90% 8.70% 7.40% 36.70% 26.30%	Yes	Yes
Nedgroup Investments	Level 1	35.88%	Nedbank Limited	100.00%	Yes	Yes
Ninety One	Level 1	26.22%	Ninety One Limited	100.00%	Yes	Yes
PortfolioMetrix	Non-Compliant	0.00%	None	0.00%	Yes	Yes
Prescient	Level 1	54.20%	Prescient South Africa (Pty) Ltd	100.00%	Yes	Yes
Prowess Investment Managers	Level 1	100.00%	Ms. Kelebogile Moloko Prowess Foundation Prowess Staff	25.00% 50.00% 25.00%	No	No
Sasfin Asset Managers	Level 1	25.20%	Wiphold	100.00%	Yes	No
SIM	Level 1	58.23%	Flow-through from Absa Financial Services Limited Flow-through from ARC Financial Services Investments (Pty) Ltd Flow-through from Sanlam Limited	17.50% 20.60% 61.90%	Yes	Yes
STANLIB	Level 1	32.72%	Liberty Group	100.00%	Yes	Yes
STANLIB Multi Managers	Level 2	22.90%	Liberty Group	100.00%	Yes	Yes
Terebinth Capital	Level 1	56.00%	Nomathibana Matshoba Terebinth Ubuntu Employee Scheme	82.00% 18.00%	Yes	No
Umthombo Wealth	Level 2	99.20%	Bafedile Mafologele Investment team share incentive scheme Nokuthula Mthombothi Nombuso Zwane	73.50% 11.50% 10.00% 5.00%	Yes	No
Vunani Fund Managers	Level 1	62.50%	Lexshell 630 Investments (Pty) Ltd Tocosize Pty Ltd Vunani Capital	11.00% 30.00% 59.00%	Yes	Yes

# S.A. BOND MANAGER WATCH™ SURVEY

Objective - The portfolios included in the specialist bond category of this survey represent portfolios with ALBI as their benchmark and have an effective modified duration mandate of ±2 years around the ALBI.

INVESTMENT DATA TO THE END OF MAY 2023																										
PERFORMANCE DATA																										
	Month	Rank	Quarter	Rank	Year to Date	Rank	1 Year	Rank	3 Years (p.a.)	Rank	5 Years (p.a.)	Rank	7 Years (p.a.)	Rank	10 Years (p.a.)	Rank	Calendar Year 2022	Calendar Year 2021	Calendar Year 2020	Calendar Year 2019	Calendar Year 2018					
SPECIALIST BONDS																										
Absa Asset Management Bond Fund	-4.63%	7	-3.95%	3	-1.67%	3	1.27%	3	6.65%	6	7.49%	2	9.24%	2	8.08%	3	3.99%	27	8.30%	25	12.56%	1	11.99%	3	8.51%	13
Alexander Forbes Investments Pure Fixed Interest Local	-5.14%	18	-5.28%	22	-3.22%	24	0.08%	18	6.35%	13	6.50%	19	8.32%	16	7.51%	8	5.05%	9	10.81%	6	7.10%	23	10.32%	22	8.73%	10
Allan Gray Bond Fund	-3.16%	1	-2.34%	1	-0.24%	1	2.58%	1	5.95%	23	6.91%	8	8.82%	6	7.98%	4	4.10%	26	8.26%	26	7.44%	19	11.54%	5	10.22%	1
Aluwani Active Bond	-5.23%	20	-4.79%	13	-2.62%	11	0.57%	13	6.37%	11	6.60%	16	8.29%	18	7.22%	14	4.88%	14	10.03%	12	7.92%	14	10.39%	19	8.44%	14
Argon SA Bond Fund	-5.49%	25	-5.62%	27	-3.10%	21	-0.68%	27	6.64%	7	7.00%	7	8.75%	7	7.80%	5	4.89%	13	10.95%	5	7.25%	21	12.09%	2	9.28%	4
Ashburton Bond Composite	-5.28%	21	-4.86%	15	-2.58%	9	0.90%	8	6.83%	8	6.81%	12	8.50%	12	*	*	5.29%	3	9.78%	17	8.02%	13	11.21%	8	8.77%	9
Balondolzi Bond Fund	-5.08%	15	-4.93%	17	-3.21%	23	-0.65%	26	6.10%	19	6.46%	21	8.42%	14	*	*	4.15%	25	10.35%	10	7.55%	17	10.81%	13	8.53%	12
Camissa Bond Fund	-5.11%	17	-5.35%	24	-3.29%	25	-0.48%	24	6.79%	4	6.77%	13	8.49%	13	*	*	4.46%	21	12.57%	1	7.02%	24	10.59%	15	9.04%	7
Coronation Active Bond Portfolio (Composite)	-5.17%	19	-4.97%	18	-2.89%	18	0.27%	15	6.38%	10	6.32%	23	8.32%	17	7.44%	11	4.57%	17	11.02%	4	7.17%	22	9.86%	25	8.60%	11
Futuregrowth Core Bond Composite	-5.07%	14	-4.92%	16	-2.81%	16	0.00%	20	5.95%	22	6.39%	22	8.09%	22	7.09%	16	4.50%	18	9.84%	15	7.51%	18	10.48%	18	8.21%	20
Futuregrowth Listed YE Bond Fund	-5.32%	23	-5.19%	20	-3.05%	20	-0.10%	22	5.93%	24	6.56%	18	8.20%	19	7.25%	12	4.65%	15	9.78%	18	8.25%	9	10.68%	14	8.37%	17
Futuregrowth Yield Enhanced	-5.67%	27	-5.57%	26	-3.16%	22	1.01%	6	7.28%	1	7.40%	3	9.14%	3	8.55%	1	6.38%	1	11.11%	3	8.37%	8	11.44%	6	9.52%	3
Independent Alternatives Mulu Bond Fund	-4.49%	6	-4.05%	4	-2.08%	5	0.75%	11	*	*	*	*	*	*	*	*	4.22%	22	*	*	*	*	*	*	*	*
M&G Yield Enhanced Portfolio	-4.85%	11	-4.58%	9	-2.67%	12	0.79%	10	6.37%	12	6.10%	25	7.88%	25	6.87%	20	4.94%	11	10.27%	11	5.60%	27	10.39%	20	7.93%	24
Matrix Domestic Bond Fund	-5.28%	22	-5.29%	23	-3.35%	26	-0.26%	23	6.03%	21	6.46%	20	8.09%	21	*	*	4.46%	20	10.52%	8	7.41%	20	11.18%	10	7.82%	26
Momentum Investments SA Bond	-5.59%	26	-5.41%	25	-3.41%	27	-0.62%	25	6.15%	18	6.57%	17	8.13%	20	7.10%	15	5.24%	6	9.79%	16	8.07%	11	10.98%	12	7.73%	27
Nidgroup Investments Core Bond Fund	-4.48%	5	-4.13%	6	-2.35%	4	0.33%	7	6.38%	15	7.00%	6	8.00%	9	7.51%	10	4.65%	16	9.66%	19	9.32%	6	10.55%	17	7.84%	25
Ninety One Corporate Bond Composite	-4.74%	10	-4.35%	8	-2.24%	6	1.21%	4	6.92%	3	7.70%	1	9.52%	1	8.28%	2	4.91%	12	9.99%	14	10.46%	3	12.50%	1	10.00%	2
Ninety One Triple Alpha	-5.11%	16	-4.65%	11	-2.58%	10	0.85%	9	6.70%	5	7.31%	4	8.93%	5	7.71%	7	5.09%	8	9.65%	20	10.79%	2	11.33%	7	8.79%	8
PortfolioMatrix BCI SA Bond Fund	-5.06%	13	-5.19%	21	-2.97%	19	-0.03%	21	6.17%	17	6.85%	10	8.52%	11	*	*	5.77%	2	9.19%	22	9.89%	5	9.65%	26	8.42%	15
Prescient Bond Quant	-5.34%	24	-5.00%	19	-2.80%	15	0.14%	17	5.78%	25	6.16%	24	8.02%	23	7.06%	19	4.21%	24	9.47%	21	7.63%	16	10.33%	21	7.95%	23
Prescient Bond QuantPlus	-5.87%	28	-6.66%	28	-5.32%	28	-2.29%	28	5.71%	26	5.72%	26	7.75%	26	7.08%	17	4.22%	23	12.14%	2	6.22%	25	8.84%	27	8.35%	19
Prowess Corporate Bond Portfolio	-3.52%	2	-3.11%	2	-1.22%	2	2.26%	2	6.07%	20	6.68%	14	7.97%	24	7.08%	18	5.10%	7	7.70%	27	7.72%	15	10.57%	16	8.02%	22
SIM Institutional Total Return Bond Fund	-4.70%	9	-4.71%	12	-2.88%	17	0.04%	19	6.18%	16	6.63%	15	8.33%	15	7.24%	13	4.49%	19	9.57%	13	8.19%	10	11.19%	9	8.37%	18
STANLIB Core Bond Portfolio	-4.66%	8	-4.64%	10	-2.77%	14	0.47%	14	6.27%	14	6.87%	9	8.70%	8	7.51%	9	4.98%	10	9.88%	23	10.03%	4	11.12%	11	8.40%	16
STANLIB Multi-Manager Bond	-4.99%	12	-4.82%	14	-2.75%	13	0.58%	12	6.52%	9	6.82%	11	8.58%	10	*	*	5.28%	4	10.40%	9	8.07%	12	10.22%	23	9.15%	6
Urnthombo Wealth Active Bond Fund	-4.07%	3	-4.12%	5	-2.27%	7	0.15%	16	5.39%	27	5.66%	27	*	*	*	*	3.52%	28	8.81%	24	5.76%	26	9.88%	24	8.19%	21
VunaniFM Active Bond Fund	-4.45%	4	-4.34%	7	-2.42%	8	1.13%	5	7.17%	2	7.31%	5	8.94%	4	7.75%	6	5.27%	5	10.58%	7	8.61%	7	11.97%	4	9.19%	5
SPECIALIST BONDS STATISTICS																										
Highest	-3.16%		-2.34%		-0.24%		2.58%		7.28%		7.70%		9.52%		8.55%		6.38%		12.57%		12.56%		12.50%		10.22%	
Upper Quartile	-4.66%		-4.34%		-2.38%		0.90%		6.64%		6.96%		8.74%		7.96%		5.09%		10.55%		8.49%		11.27%		8.92%	
Median	-5.07%		-4.84%		-2.78%		0.37%		6.27%		6.68%		8.46%		7.47%		4.77%		9.90%		7.92%		10.68%		8.44%	
Average	-4.91%		-4.74%		-2.70%		0.39%		6.32%		6.71%		8.48%		7.50%		4.76%		9.99%		8.16%		10.82%		8.61%	
Lower Quartile	-5.27%		-5.21%		-3.12%		-0.05%		6.05%		6.46%		8.15%		7.09%		4.40%		9.56%		7.33%		10.36%		8.20%	
Lowest	-5.87%		-6.66%		-5.32%		-2.29%		5.39%		5.66%		7.75%		6.87%		3.52%		7.70%		5.60%		8.84%		7.73%	
Range	2.71%		4.32%		5.08%		4.87%		1.89%		2.04%		1.77%		1.68%		2.85%		4.87%		6.96%		3.66%		2.48%	
Number of Participants	28		28		28		28		27		27		26		20		28		27		27		27		27	
INDICES																										
All Bond Index	-4.79%		-4.60%		-2.65%		0.32%		5.58%		6.19%		7.78%		6.75%		4.26%		8.40%		8.65%		10.32%		7.69%	
1-3 Year Bond Index	-1.75%		-0.91%		0.38%		3.85%		4.97%		7.11%		7.59%		7.11%		5.73%		4.17%		11.50%		7.50%		9.14%	
3-7 Year Bond Index	-3.23%		-2.35%		-0.67%		2.71%		5.37%		7.73%		8.57%		7.56%		5.26%		2.51%		16.26%		11.53%		7.34%	
7-12 Year Bond Index	-5.33%		-4.68%		-2.53%		1.00%		5.16%		6.88%		8.29%		6.89%		4.75%		6.93%		10.58%		12.05%		7.32%	
12+ Year Bond Index	-5.77%		-6.45%		-4.55%		-2.12%		5.95%		5.22%		7.29%		6.31%		3.66%		12.96%		4.59%		9.31%		7.65%	
JSE ASSA SA Gov ILB Index	-2.22%		-0.21%		-0.94%		-0.62%		8.03%		4.57%		4.03%		4.58%		4.54%		14.93%		4.15%		2.25%		-0.43%	
GOVI	-4.82%		-4.64%		-2.71%		0.22%		5.46%		7.59%		6.60%		4.17%		8.26%		8.57%		10.24%		8.82%		6.82%	
IGOV Index	-2.40%		-0.58%		-1.18%		-1.15%		7.93%		4.59%		4.04%		4.58%		4.24%		15.67%		3.94%		2.41%		0.02%	
OTHI	-4.40%		-4.16%		-1.95%		1.59%		6.69%		7.19%		8.67%		5.21%		7.47%		9.60%		9.12%		10.68%		10.24%	
STeF	0.65%		1.88%		3.03%		6.50%		4.90%		5.80%		6.28%		6.23%		5.21%		3.81%		5.39%		7.29%		7.25%	
S&P South Africa Sovereign Bond	-4.85%		-4.70%		-2.82%		0.12%		5.62%		6.20%		7.76%		6.66%		4.32%		8.43%		8.73%		10.14%		7.55%	
S&P South Africa Sovereign Inflation-Linked Bond	-2.01%		-0.20%		-0.53%		-0.33%		8.46%		4.88%		4.27%		4.61%		4.41%		15.08%		5.07%		2.40%		0.04%	

# S.A. BOND MANAGER WATCH™ SURVEY

Objective - The participants in the flexible bond and inflation linked bond categories represent portfolios with various benchmarks.

INVESTMENT DATA TO THE END OF MAY 2023																													
PERFORMANCE DATA																													
	Month		Quarter		Year to Date		1 Year		3 Years (p.a.)		5 Years (p.a.)		7 Years (p.a.)		10 Years (p.a.)		Calendar Year 2022		Calendar Year 2021		Calendar Year 2020		Calendar Year 2019		Calendar Year 2018				
	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank		
FLEXIBLE BONDS/INCOME																													
Argon Flexible Income Fund	-2.81%	8	-2.14%	8	1.13%	6	5.47%	5	8.32%	1	*	*	*	*	*	*	8.40%	2	9.10%	6	*	*	*	*	*	*	*		
Balondolzi Income Fund	-0.10%	3	1.05%	3	2.64%	3	7.30%	2	*	*	*	*	*	*	*	*	6.83%	5	*	*	*	*	*	*	*	*	*		
Coronation Absolute Bond Portfolio	-1.24%	5	0.09%	5	1.43%	5	5.06%	7	8.12%	3	8.18%	2	8.83%	2	8.15%	1	6.70%	6	8.55%	7	10.25%	1	9.72%	4	8.92%	2	8.92%	2	
Coronation Flexible Fixed Interest	-5.28%	9	-5.15%	10	-3.22%	11	-0.68%	11	6.21%	9	4.86%	6	6.88%	6	*	*	3.30%	12	11.74%	2	2.89%	8	8.55%	6	6.63%	6	6.63%	6	
Coronation Strategic Bond Composite	-5.51%	11	-5.16%	11	-3.13%	9	-0.36%	10	6.33%	8	5.28%	5	7.40%	5	6.90%	4	3.83%	10	11.36%	3	4.49%	6	9.03%	5	7.07%	5	7.07%	5	
Granate Domestic Multi Income Fund	-0.93%	4	0.38%	4	1.83%	4	6.34%	4	7.75%	4	*	*	*	*	*	*	7.18%	4	7.71%	8	9.03%	3	10.36%	3	*	*	*	*	
Matrix Stable Income	0.24%	1	1.50%	1	3.22%	1	7.81%	1	7.35%	5	*	*	*	*	*	*	7.68%	3	5.02%	10	*	*	*	*	*	*	*	*	
Ninety One Flexible Bond Composite	-5.39%	10	-5.07%	9	-3.20%	10	0.32%	9	6.92%	6	6.76%	3	8.53%	3	7.50%	3	5.15%	9	10.35%	4	8.85%	4	11.20%	2	7.93%	3	7.93%	3	
Portfolio/Metrix BCI Dynamic Income	-2.61%	7	-1.99%	7	-0.07%	8	5.17%	6	*	*	*	*	*	*	*	*	8.55%	1	*	*	*	*	*	*	*	*	*	*	*
Prescient Flexible Bond	-5.94%	12	-6.85%	12	-5.55%	12	-2.86%	12	6.09%	10	5.43%	4	7.56%	4	7.55%	2	3.71%	11	14.54%	1	3.70%	7	7.94%	7	7.83%	4	7.83%	4	
Sasfin BCI Flexible Income Fund	-1.84%	6	-0.96%	6	0.83%	7	4.68%	8	8.22%	2	8.74%	1	10.18%	1	*	*	6.27%	8	9.42%	5	9.16%	2	12.42%	2	10.97%	1	10.97%	1	
Terebirth Enhanced Income	-0.07%	2	1.30%	2	3.00%	2	6.66%	3	6.74%	7	*	*	*	*	*	*	6.39%	7	6.21%	9	7.35%	5	*	*	*	*	*	*	
FLEXIBLE BONDS/INCOME STATISTICS																													
Highest	0.24%		1.50%		3.22%		7.81%		8.32%		8.74%		10.18%		8.15%		8.55%		14.54%		10.25%		12.42%		10.97%		10.97%		10.97%
Upper Quartile	-0.72%		0.54%		2.03%		6.42%		8.03%		7.82%		8.76%		7.70%		7.31%		11.11%		9.06%		10.78%		8.68%		8.68%		8.68%
Median	-2.22%		-1.47%		0.98%		5.12%		7.14%		6.10%		8.04%		7.53%		6.54%		9.26%		8.10%		9.72%		7.88%		7.88%		7.88%
Average	-2.62%		-1.92%		-0.09%		3.74%		7.20%		6.54%		8.23%		7.52%		6.17%		9.40%		6.97%		9.89%		8.23%		8.23%		8.23%
Lower Quartile	-5.31%		-5.09%		-3.15%		0.15%		6.43%		5.32%		7.44%		7.35%		4.82%		7.92%		4.29%		7.26%		7.26%		7.26%		7.26%
Lowest	-5.94%		-6.85%		-5.55%		-2.86%		6.09%		4.86%		6.88%		6.90%		3.30%		5.02%		2.89%		7.94%		6.63%		6.63%		6.63%
Range	6.18%		8.35%		8.77%		10.67%		2.23%		3.88%		3.30%		1.25%		5.25%		9.52%		7.36%		4.48%		4.34%		4.34%		4.34%
Number of Participants	12		12		12		12		10		6		6		4		12		10		8		7		6		6		6
INFLATION LINKED BONDS																													
Aluwani Active Inflation Linked Bond	-2.44%	6	-0.40%	5	-1.04%	6	-0.32%	7	8.55%	8	5.07%	6	4.49%	6	*	*	4.90%	8	16.51%	2	3.69%	6	3.07%	4	0.86%	4	0.86%	4	
Balondolzi Inflation Linked Fund	-2.13%	1	-0.18%	1	-0.75%	2	0.27%	2	8.66%	4	*	*	*	*	*	*	5.76%	2	15.80%	7	3.55%	7	*	*	*	*	*	*	
Futuregrowth Core ILB Fund	-2.40%	5	-0.33%	4	-0.94%	5	-0.17%	6	8.52%	7	5.30%	4	4.68%	4	5.03%	3	5.07%	7	16.42%	3	5.18%	3	2.59%	7	0.43%	6	0.43%	6	
Ninety One Inflation Linked Bond Composite	-2.38%	4	-0.45%	6	-0.90%	4	-0.11%	5	8.67%	5	5.06%	7	4.34%	7	4.79%	5	5.29%	4	16.12%	5	4.10%	4	2.63%	6	0.26%	7	0.26%	7	
Prescient Inflation Linked Bond	-3.14%	8	-1.20%	8	-2.11%	8	2.50%	1	9.61%	1	5.96%	2	5.52%	1	5.58%	1	8.76%	1	17.45%	1	3.48%	8	3.35%	3	1.76%	2	1.76%	2	
SIM Inflation Linked Bond Fund	-2.56%	7	-0.67%	7	-1.29%	7	-0.91%	8	8.51%	8	5.09%	5	4.51%	5	4.94%	4	5.14%	6	16.37%	4	4.02%	5	2.96%	5	0.83%	5	0.83%	5	
STANLB Inflation Linked Bond Fund	-2.24%	3	-0.23%	2	-0.79%	3	-0.10%	4	8.72%	3	6.06%	1	5.41%	2	*	*	5.57%	3	15.54%	8	5.65%	2	5.20%	1	1.68%	3	1.68%	3	
VunaniFM Active Inflation-linked Bond Fund	-2.15%	2	-0.26%	3	-0.56%	1	0.09%	3	9.05%	2	5.95%	3	5.29%	3	5.23%	2	5.16%	5	15.93%	6	5.87%	1	4.05%	2	1.77%	1	1.77%	1	
INFLATION LINKED BONDS STATISTICS																													
Highest	-2.13%		-0.18%		-0.56%		2.50%		9.61%		6.06%		5.52%		5.58%		8.76%		17.45%		5.87%		5.20%		1.77%		1.77%		1.77%
Upper Quartile	-2.21%		-0.26%		-0.78%		0.14%		8.80%		5.95%		5.35%		5.23%		5.61%		16.44%		5.30%		3.70%		1.72%		1.72%		1.72%
Median	-2.39%		-0.36%		-0.92%		-0.10%		8.68%		5.30%		4.68%		5.03%		5.22%		16.24%		4.06%		3.07%		0.86%		0.86%		0.86%
Average	-2.43%		-0.47%		-1.05%		0.16%		8.79%		5.50%		4.89%		5.12%		5.71%		16.27%		4.44%		3.41%		1.08%		1.08%		1.08%
Lower Quartile	-2.47%		-0.51%		-1.10%		-0.21%		8.54%		5.08%		4.50%		4.94%		5.13%		15.90%		3.66%		2.81%		0.63%		0.63%		0.63%
Lowest	-3.14%		-1.20%		-2.11%		-0.91%		8.51%		5.06%		4.34%		4.79%		4.90%		15.54%		3.48%		2.59%		0.26%		0.26%		0.26%
Range	1.00%		1.03%		1.55%		3.41%		1.11%		1.01%		1.18%		0.79%		3.87%		1.91%		2.38%		2.61%		1.51%		1.51%		1.51%
Number of Participants	8		8		8		8		8		7		7		5		8		8		8		7		7		7		7
INDICES																													
All Bond Index	-4.79%		-4.60%		-2.65%		0.32%		5.58%		6.19%		7.78%		6.75%		4.26%		8.40%		8.65%		10.32%		7.69%		7.69%		7.69%
1-3 Year Bond Index	-1.75%		-0.91%		0.38%		3.85%		4.97%		7.11%		7.59%		7.11%		5.73%		4.17%		11.50%		7.50%		9.14%		9.14%		9.14%
3-7 Year Bond Index	-3.23%		-2.35%		-0.67%		2.71%		5.37%		7.73%		8.57%		7.56%		5.26%		2.51%		16.26%		11.53%		7.34%		7.34%		7.34%
7-12 Year Bond Index	-5.33%		-4.68%		-2.53%		1.00%		5.16%		6.88%		8.29%		6.89%		4.75%		6.93%		10.58%		12.05%		7.32%		7.32%		7.32%
12+ Year Bond Index	-5.77%		-6.45%		-4.55%		-2.12%		5.95%		5.22%		7.29%		6.31%		3.66%		12.56%		4.59%		9.31%		7.65%		7.65%		7.65%
JSE ASSA SA Gov ILB Index	-2.22%		-0.21%		-0.94%		-0.62%		8.03%		4.57%		4.03%		4.58%		4.54%		14.93%		4.15%		2.25%		-0.43%		-0.43%		-0.43%
GOVI	-4.82%		-4.64%		-2.71%		0.22%		5.46%		6.01%		7.59%		6.60%		4.17%		8.26%		8.57%		10.24%		6.82%		6.82%		6.82%
IGOV Index	-2.40%		-0.58%		-1.15%		-1.15%		7.93%		4.59%		4.04%		4.58%		4.24%		15.67%		3.94%		2.41%		0.02%		0.02%		0.02%
OTHl	-4.40%		-4.16%		-1.95%		1.59%		6.69%		7.19%		8.67%		7.47%		5.21%		9.60%		9.12%		10.68%		10.24%		10.24%		10.24%
STeFI	0.65%		1.88%		3.03%		6.50%		4.90%		5.80%		6.23%		5.21%		3.81%		5.38%		5.38%		7.29%		7.25%		7.25%		7.25%
S&P South Africa Sovereign Bond	-4.85%		-4.70%		-2.82%		0.12%		5.62%		6.20%		7.76%		6.66%		4.32%		8.43%		8.73%		10.14%		7.55%		7.55%		7.55%
S&P South Africa Sovereign Inflation-Linked Bond	-2.01%		-0.20%		-0.53%		-0.33%		8.46%		4.88%		4.27%		4.61%		4.41%		15.08%		5.07%		2.40%		0.04%		0.04%		0.04%

# S.A. BOND MANAGER WATCH™ SURVEY

Objective - The portfolios included in the specialist bond category of this survey represent portfolios with ALBI as their benchmark and have an effective modified duration mandate of ±2 years around the ALBI.

INVESTMENT DATA TO THE END OF MAY 2023																		
RISK VS RETURN																		
	Calculated on 3 year performance returns								Calculated on 5 year performance returns									
	3 Year Return (p.a.)	Rank	Volatility (Risk)	Rank	Active Return	Rank	Tracking Error	Information Ratio	Rank	5 Year Return (p.a.)	Rank	Volatility (Risk)	Rank	Active Return	Rank	Tracking Error	Information Ratio	Rank
<b>SPECIALIST BONDS</b>																		
Absa Asset Management Bond Fund	6.65%	6	6.52%	5	1.06%	6	1.28%	0.83	9	7.49%	2	8.22%	11	1.31%	2	1.19%	1.10	5
Alexander Forbes Investments Pure Fixed Interest Local	6.35%	13	7.32%	19	0.76%	13	1.07%	0.71	12	6.50%	19	8.49%	16	0.31%	19	0.94%	0.33	18
Allan Gray Bond Fund	5.95%	23	5.59%	2	0.36%	23	1.73%	0.21	24	6.91%	8	7.29%	1	0.73%	8	1.67%	0.43	15
Aluwani Active Bond	6.37%	11	7.03%	13	0.78%	11	0.73%	1.07	7	6.60%	16	8.35%	14	0.41%	16	0.73%	0.56	12
Argon SA Bond Fund	6.64%	7	7.31%	18	1.05%	7	1.32%	0.80	10	7.00%	7	8.95%	25	0.81%	7	1.34%	0.61	9
Ashburton Bond Composite	6.63%	8	7.14%	16	1.05%	8	0.75%	1.40	5	6.81%	12	8.63%	18	0.62%	12	0.98%	0.63	8
Balondolzi Bond Fund	6.10%	19	6.86%	9	0.51%	19	1.00%	0.51	18	6.46%	21	8.11%	8	0.28%	21	1.04%	0.27	21
Camissa Bond Fund	6.79%	4	7.64%	26	1.21%	4	1.75%	0.69	13	6.77%	13	8.20%	10	0.58%	13	1.87%	0.31	20
Coronation Active Bond Portfolio (Composite)	6.38%	10	7.62%	25	0.80%	10	1.43%	0.56	17	6.32%	23	8.71%	22	0.14%	23	1.28%	0.11	23
Futuregrowth Core Bond Composite	5.95%	22	6.97%	12	0.37%	22	0.65%	0.57	16	6.39%	22	8.20%	9	0.21%	22	0.65%	0.32	19
Futuregrowth Listed YE Bond Fund	5.93%	24	7.12%	15	0.34%	24	0.75%	0.46	20	6.56%	18	8.28%	13	0.37%	18	0.66%	0.56	11
Futuregrowth Yield Enhanced	7.28%	1	7.33%	20	1.69%	1	0.99%	1.71	4	7.40%	3	8.69%	21	1.21%	3	0.98%	1.23	3
M&G Yield Enhanced Portfolio	6.37%	12	7.34%	21	0.78%	12	1.18%	0.66	14	6.10%	25	8.68%	20	-0.09%	25	1.48%	-0.06	25
Matrix Domestic Bond Fund	6.03%	21	7.44%	24	0.45%	21	1.47%	0.30	23	6.46%	20	9.07%	27	0.28%	20	1.36%	0.20	22
Momentum Investments SA Bond	6.15%	18	7.39%	22	0.57%	18	1.24%	0.46	19	6.57%	17	8.67%	19	0.38%	17	1.03%	0.37	17
Nedgroup Investments Core Bond Fund	6.18%	15	6.47%	4	0.60%	15	1.00%	0.60	15	7.00%	6	7.73%	4	0.82%	6	1.13%	0.73	7
Ninety One Corporate Bond Composite	6.92%	3	6.82%	7	1.34%	3	0.37%	3.64	1	7.70%	1	8.28%	12	1.52%	1	0.41%	3.72	1
Ninety One Triple Alpha	6.70%	5	6.94%	10	1.12%	5	0.40%	2.80	2	7.31%	4	8.43%	15	1.13%	4	0.37%	3.05	2
PortfolioMetrix BCI SA Bond Fund	6.17%	17	7.27%	17	0.58%	17	1.51%	0.39	21	6.85%	10	8.08%	6	0.67%	10	1.43%	0.47	14
Prescient Bond Quant	5.78%	25	7.41%	23	0.20%	25	0.95%	0.21	25	6.16%	24	8.72%	23	-0.03%	24	0.84%	-0.04	24
Prescient Bond QuantPlus	5.71%	26	8.35%	27	0.12%	26	2.47%	0.05	26	5.72%	26	9.07%	26	-0.47%	26	2.02%	-0.23	26
Prowess Corporate Bond Portfolio	6.07%	20	5.26%	1	0.49%	20	1.52%	0.32	22	6.68%	14	7.31%	2	0.49%	14	1.31%	0.37	16
SIM Institutional Total Return Bond Fund	6.18%	16	6.95%	11	0.60%	16	0.76%	0.79	11	6.63%	15	8.73%	24	0.44%	15	0.81%	0.55	13
STANLIB Core Bond Portfolio	6.27%	14	6.86%	8	0.69%	14	0.58%	1.17	6	6.87%	9	8.09%	7	0.68%	9	0.61%	1.13	4
STANLIB Multi-Manager Bond	6.52%	9	7.10%	14	0.94%	9	1.06%	0.88	8	6.82%	11	8.59%	17	0.63%	11	1.11%	0.57	10
Umthombo Wealth Active Bond Fund	5.39%	27	6.12%	3	-0.19%	27	1.03%	-0.19	27	5.66%	27	7.54%	3	-0.52%	27	1.20%	-0.44	27
VunaniFM Active Bond Fund	7.17%	2	6.70%	6	1.58%	2	0.84%	1.88	3	7.31%	5	8.06%	5	1.12%	5	1.03%	1.09	6
			Lower volatility = higher ranking									Lower volatility = higher ranking						
<b>STATISTICS</b>																		
Highest	7.28%		8.35%		1.69%		2.47%	3.64		7.70%		9.07%		1.52%		2.02%	3.72	
Upper Quartile	6.64%		7.34%		1.05%		1.37%	0.98		6.96%		8.68%		0.77%		1.33%	0.68	
Median	6.27%		7.10%		0.69%		1.03%	0.66		6.68%		8.35%		0.49%		1.04%	0.47	
Average	6.32%		7.00%		0.74%		1.11%	0.87		6.71%		8.34%		0.52%		1.09%	0.66	
Lower Quartile	6.05%		6.84%		0.47%		0.76%	0.42		6.46%		8.10%		0.28%		0.82%	0.29	
Lowest	5.39%		5.26%		-0.19%		0.37%	-0.19		5.66%		7.29%		-0.52%		0.37%	-0.44	
Number of participants	27		27		27		27	27		27		27		27		27	27	
<b>INDICES</b>																		
All Bond Index	5.58%		6.69%							6.19%		8.25%						
JSE ASSA SA Gov ILB Index	8.03%		6.03%							4.57%		12.08%						

# S.A. BOND MANAGER WATCH™ SURVEY

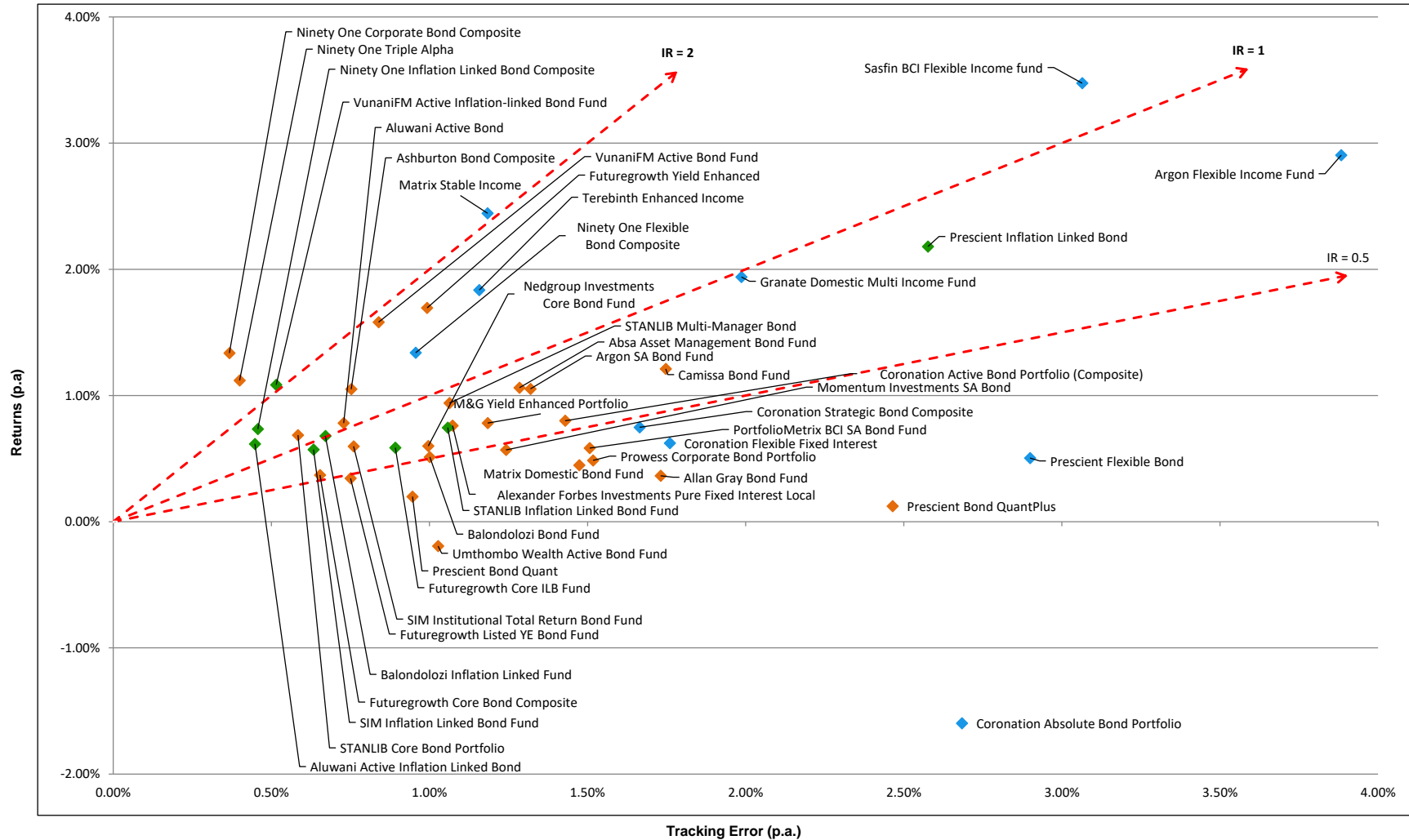
Objective - The participants in the flexible bond and inflation linked bond categories represent portfolios with various benchmarks.

INVESTMENT DATA TO THE END OF MAY 2023																		
RISK VS RETURN																		
	Calculated on 3 year performance returns									Calculated on 5 year performance returns								
	3 Year Return (p.a.)	Rank	Volatility (Risk)	Rank	Active Return	Rank	Tracking Error	Information Ratio	Rank	5 Year Return (p.a.)	Rank	Volatility (Risk)	Rank	Active Return	Rank	Tracking Error	Information Ratio	Rank
<b>FLEXIBLE BONDS/INCOME</b>																		
Argon Flexible Income Fund	8.32%	1	3.81%	6	2.90%	2	3.88%	0.75	6	*	*	*	*	*	*	*	*	*
Coronation Absolute Bond Portfolio	8.12%	3	2.67%	4	-1.60%	10	2.68%	-0.67	10	8.18%	2	2.96%	1	-0.72%	3	3.33%	-0.27	4
Coronation Flexible Fixed Interest	6.21%	9	7.83%	8	0.62%	8	1.76%	0.35	8	4.86%	6	9.42%	6	-1.33%	6	2.21%	-0.60	6
Coronation Strategic Bond Composite	6.33%	8	7.91%	9	0.75%	7	1.68%	0.45	7	5.28%	5	9.24%	5	-0.91%	5	1.73%	-0.53	5
Granate Domestic Multi Income Fund	7.75%	4	1.91%	3	1.94%	4	1.99%	0.98	5	*	*	*	*	*	*	*	*	*
Matrix Stable Income	7.35%	5	1.21%	2	2.44%	3	1.18%	2.06	1	*	*	*	*	*	*	*	*	*
Ninety One Flexible Bond Composite	6.92%	6	7.45%	7	1.34%	6	0.96%	1.40	3	6.76%	3	9.10%	4	0.58%	2	1.08%	0.54	2
Prescient Flexible Bond	6.09%	10	8.35%	10	0.50%	9	2.90%	0.17	9	5.43%	4	9.05%	3	-0.75%	4	2.83%	-0.27	3
Sasfin BCI Flexible Income fund	8.22%	2	2.95%	5	3.47%	1	3.06%	1.13	4	8.74%	1	3.39%	2	3.06%	1	3.44%	0.89	1
Terebinth Enhanced Income	6.74%	7	1.13%	1	1.84%	5	1.16%	1.59	2	*	*	*	*	*	*	*	*	*
			<i>Lower volatility = higher ranking</i>									<i>Lower volatility = higher ranking</i>						
<b>STATISTICS</b>																		
Highest	8.32%		8.35%		3.47%		3.88%	2.06		8.74%		9.42%		3.06%		3.44%	0.89	
Upper Quartile	8.03%		7.73%		2.32%		2.85%	1.33		7.82%		9.21%		0.25%		3.20%	0.34	
Median	7.14%		3.38%		1.59%		1.87%	0.86		6.10%		9.07%		-0.74%		2.52%	-0.27	
Average	7.20%		4.52%		1.42%		2.12%	0.82		6.54%		7.19%		-0.01%		2.44%	-0.04	
Lower Quartile	6.43%		2.10%		0.65%		1.30%	0.38		5.32%		4.80%		-0.87%		1.85%	-0.46	
Lowest	6.09%		1.13%		-1.60%		0.96%	-0.67		4.86%		2.96%		-1.33%		1.08%	-0.60	
Number of participants	10		10		10		10	10		6		6		6		6	6	
<b>INFLATION LINKED BONDS</b>																		
Aluwani Active Inflation Linked Bond	8.55%	6	6.19%	4	0.62%	6	0.45%	1.38	3	5.07%	6	6.57%	3	0.49%	5	0.54%	0.90	2
Balondolzi Inflation Linked Fund	8.68%	4	6.24%	5	0.68%	5	0.67%	1.01	4	*	*	*	*	*	*	*	*	*
Futuregrowth Core ILB Fund	8.52%	7	6.29%	6	0.59%	7	0.89%	0.66	8	5.30%	4	6.90%	5	0.71%	4	0.84%	0.84	3
Ninety One Inflation Linked Bond Composite	8.67%	5	6.09%	3	0.73%	4	0.46%	1.61	2	5.06%	7	6.70%	4	0.36%	6	0.46%	0.79	4
Prescient Inflation Linked Bond	9.61%	1	7.33%	8	2.18%	1	2.58%	0.85	6	5.96%	2	7.51%	7	1.39%	1	5.95%	0.23	5
SIM Inflation Linked Bond Fund	8.51%	8	6.44%	7	0.57%	8	0.63%	0.90	5	5.09%	5	7.09%	6	*	*	*	*	*
STANLIB Inflation Linked Bond Fund	8.72%	3	5.92%	2	0.75%	3	1.06%	0.70	7	6.06%	1	6.17%	1	1.23%	3	6.63%	0.19	6
VunaniFM Active Inflation-linked Bond Fund	9.05%	2	5.84%	1	1.08%	2	0.52%	2.10	1	5.95%	3	6.42%	2	1.24%	2	0.48%	2.60	1
			<i>Lower volatility = higher ranking</i>									<i>Lower volatility = higher ranking</i>						
<b>STATISTICS</b>																		
Highest	9.61%		7.33%		2.18%		2.58%	2.10		6.06%		7.51%		1.39%		6.63%	2.60	
Upper Quartile	8.80%		6.32%		0.83%		0.93%	1.43		5.95%		6.99%		1.23%		4.67%	0.88	
Median	8.68%		6.22%		0.71%		0.65%	0.96		5.30%		6.70%		0.97%		0.69%	0.82	
Average	8.79%		6.29%		0.90%		0.91%	1.15		5.50%		6.76%		0.90%		2.48%	0.93	
Lower Quartile	8.54%		6.05%		0.61%		0.50%	0.81		5.08%		6.49%		0.54%		0.49%	0.37	
Lowest	8.51%		5.84%		0.57%		0.45%	0.66		5.06%		6.17%		0.36%		0.46%	0.19	
Number of participants	8		8		8		8	8		7		7		6		6	6	
<b>INDICES</b>																		
All Bond Index	5.58%		6.69%							6.19%		8.25%						
JSE ASSA SA Gov ILB Index	8.03%		6.03%							4.57%		12.08%						

# S.A. BOND MANAGER WATCH™ SURVEY

## Active return vs Tracking Error scatterplot – SA Bond Managers

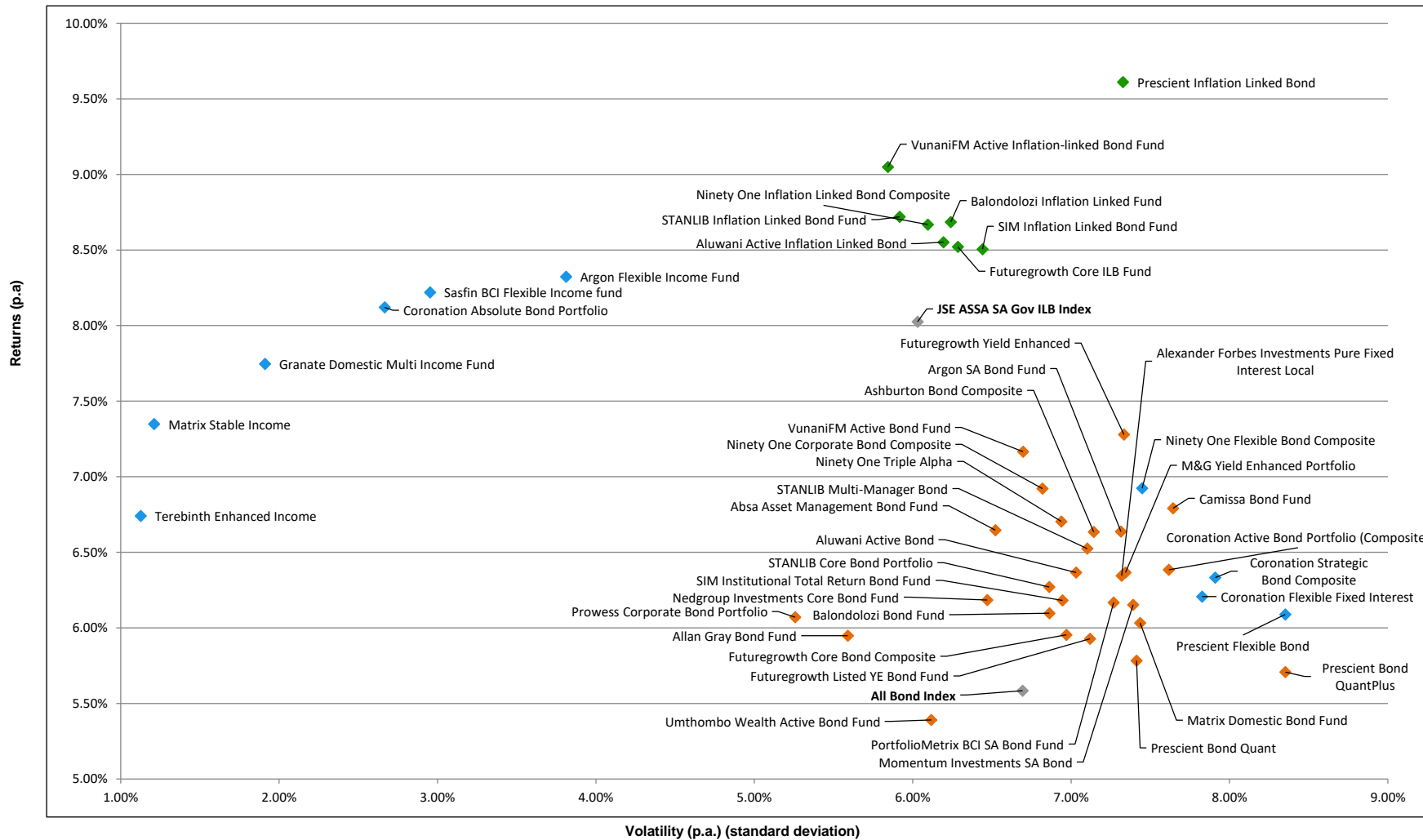
3 Years ended 31 May 2023



# S.A. BOND MANAGER WATCH™ SURVEY

## Volatility vs Return scatterplot – SA Bond Managers

3 Years ended 31 May 2023



# S.A. BOND MANAGER WATCH™ SURVEY

## EXPLANATORY NOTES

### **General Disclaimers :**

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### **General :**

Managers are ranked from highest to lowest active return. In some cases rankings may be different due to return differences disguised by the rounding. Rankings are purely for illustrative purposes.

### **Performance Statistics:**

Reasonable use of the survey may be made for purposes of comment and study provided that full acknowledgement is made to "Alexforbes".

The rankings and statistical information have been supplied for illustrative purposes only.

Performance figures are shown gross of fees.

Performance should not be judged over a short period of time.

Past performance is not necessarily a guide to future performance.

Median Compounded : The longer term median returns reflected are calculated by compounding the monthly median returns over the various periods.

While all possible care is taken in the compilation of the survey, reliance is placed on information received from investment managers.

### **Statistical Definitions :**

The Median is the value above or below which half the managers fall.

The Upper Quartile is the value above which one quarter of the managers fall.

The Lower Quartile is the value below which one quarter of the managers fall.

### **Risk Analysis Definitions :**

"Volatility" is the annualised standard deviation of the manager's monthly returns.

"Volatility" is a measure of the variability of the manager's returns.

"Return to Risk" is the return divided by the "Volatility".

"Return to Risk" is a measure of the return earned per unit of risk taken.

"Active return" is the return earned by the manager less the return on the benchmark.

"Active Return" is a measure of the value that the manager has added or detracted over the benchmark return.

"Tracking Error" is the annualised standard deviation of the monthly "Active Returns".

"Tracking Error" is a measure of the variability of the manager's returns relative to the benchmark returns.

"Information Ratio" is the "Active Return" divided by the "Tracking Error".

"Information Ratio" is a measure of the value added per unit of risk taken relative to the benchmark.

GIPS™ - Status:

C - Indication that manager is compliant but not verified

V - Indication that manager is verified

More information can be obtained from <http://www.gipsstandards.org/>