

ANNUAL REPORT

# AB DISCOVERY GROWTH FUND



Investment Products Offered • Are Not FDIC Insured • May Lose Value • Are Not Bank Guaranteed

**Investors should consider the investment objectives, risks, charges and expenses of the Fund carefully before investing. For copies of our prospectus or summary prospectus, which contain this and other information, visit us online at [www.abfunds.com](http://www.abfunds.com) or contact your AB representative. Please read the prospectus and/or summary prospectus carefully before investing.**

This shareholder report must be preceded or accompanied by the Fund's prospectus for individuals who are not current shareholders of the Fund.

You may obtain a description of the Fund's proxy voting policies and procedures, and information regarding how the Fund voted proxies relating to portfolio securities during the most recent 12-month period ended June 30, without charge. Simply visit AB's website at [www.abfunds.com](http://www.abfunds.com), or go to the Securities and Exchange Commission's (the "Commission") website at [www.sec.gov](http://www.sec.gov), or call AB at (800) 227 4618.

The Fund files its complete schedule of portfolio holdings with the Commission for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The Fund's Form N-PORT reports are available on the Commission's website at [www.sec.gov](http://www.sec.gov). AB publishes full portfolio holdings for the Fund monthly at [www.abfunds.com](http://www.abfunds.com).

**AllianceBernstein Investments, Inc. (ABI)** is the distributor of the AB family of mutual funds. ABI is a member of FINRA and is an affiliate of AllianceBernstein L.P., the Adviser of the funds.

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## FROM THE PRESIDENT



Dear Shareholder,

We're pleased to provide this report for the AB Discovery Growth Fund (the "Fund"). Please review the discussion of Fund performance, the market conditions during the reporting period and the Fund's investment strategy.

At AB, we're striving to help our clients achieve better outcomes by:

- + Fostering diverse perspectives that give us a distinctive approach to navigating global capital markets
- + Applying differentiated investment insights through a connected global research network
- + Embracing innovation to design better ways to invest and leading-edge mutual-fund solutions

Whether you're an individual investor or a multibillion-dollar institution, we're putting our knowledge and experience to work for you every day.

For more information about AB's comprehensive range of products and shareholder resources, please log on to [www.abfunds.com](http://www.abfunds.com).

Thank you for your investment in AB mutual funds—and for placing your trust in our firm.

Sincerely,

A handwritten signature in black ink, appearing to read "Onur Erzan". The signature is fluid and stylized, with the first name "Onur" and last name "Erzan" clearly distinguishable.

Onur Erzan

President and Chief Executive Officer, AB Mutual Funds

ANNUAL REPORT

September 6, 2023

This report provides management’s discussion of fund performance for the AB Discovery Growth Fund for the annual reporting period ended July 31, 2023.

The Fund’s investment objective is long-term growth of capital.

NAV RETURNS AS OF JULY 31, 2023 (unaudited)

	6 Months	12 Months
AB DISCOVERY GROWTH FUND		
Class A Shares	6.28%	5.82%
Class C Shares	6.13%	5.17%
Advisor Class Shares <sup>1</sup>	6.42%	6.12%
Class R Shares <sup>1</sup>	6.04%	5.52%
Class K Shares <sup>1</sup>	6.22%	5.75%
Class I Shares <sup>1</sup>	6.34%	6.03%
Class Z Shares <sup>1</sup>	6.50%	6.19%
Russell 2500 Growth Index	6.50%	9.99%

1 Please note that these share classes are for investors purchasing shares through accounts established under certain fee-based programs sponsored and maintained by certain broker-dealers and financial intermediaries, institutional pension plans and/or investment advisory clients of, and certain other persons associated with, the Adviser and its affiliates or the Fund.

INVESTMENT RESULTS

The table above shows the Fund’s performance compared with its benchmark, the Russell 2500 Growth Index, for the six- and 12-month periods ended July 31, 2023.

All share classes of the Fund underperformed the benchmark for both periods, before sales charges, except for Class Z shares which performed in line with the benchmark during the six-month period. During the 12-month period, security selection detracted, relative to the benchmark. Selection within health care detracted most, while selection within industrials contributed. Overall sector selection was positive. An overweight to energy and an underweight to consumer staples detracted, while an overweight to technology and an underweight to communication services contributed, offsetting some losses.

During the six-month period, security selection detracted, while sector selection contributed to performance. Security selection within consumer discretionary and energy detracted the most, while selection within

technology and industrials contributed. An overweight to technology and an underweight to materials contributed, but were partially offset by an overweight to energy and an underweight to consumer staples, which detracted.

The Fund did not use derivatives during either period.

## **MARKET REVIEW AND INVESTMENT STRATEGY**

US, international and emerging-market stocks rose during the 12-month period ended July 31, 2023. Aggressive central bank tightening—led by the US Federal Reserve (the “Fed”)—created headwinds for global equity markets throughout the period. Despite bouts of increased volatility, equity markets rallied amid signs of easing inflationary pressures and as central banks began to pause or lower rate hikes. But resilient consumer spending and mostly strong global economic data raised concern that central banks would need to keep rates higher for longer, which caused equity markets to pull back at times. In March, the collapse of select US regional banks triggered concerns about broader financial contagion and briefly drove stocks lower, as did the threat of a US government default later in the period. China’s reopening impulse initially benefited equity markets, but its effect diminished—especially in emerging markets—as China’s economic recovery stalled. Sentiment shifted at the end of the period and markets rallied broadly as economic data indicated that disinflation had continued to gain traction, which bolstered speculation that the Fed was nearing the end of its rate-hike cycle. Within large-cap markets, both growth- and value-oriented stocks rose, but growth significantly outperformed value led by a technology-sector rally—especially among companies closely related to artificial intelligence technologies. Large-cap stocks outperformed small-cap stocks, although both rose in absolute terms.

The Fund continues to be built from the bottom up, with an emphasis on companies that the Fund’s Senior Investment Management Team (the “Team”) believes will deliver fundamental outperformance, even against a backdrop of higher input prices and supply chain disruptions. Cognizant that rapidly rising interest rates will likely lead to slowing economic activity and heightened risk of a recession, the Team remains focused on identifying companies that it believes can continue to deliver stronger-than-expected growth. The Team seeks companies that have strong pricing power or possess unique secular growth drivers that could help navigate through this challenging environment. At the end of the reporting period, consumer discretionary, financials and technology reflected the Fund’s largest overweights, while materials, health care and communication services were the most notable underweights, relative to the benchmark.

## INVESTMENT POLICIES

The Fund invests primarily in a diversified portfolio of equity securities with relatively smaller capitalizations as compared to the overall US market. Under normal circumstances, the Fund invests at least 80% of its net assets in the equity securities of small- and mid-capitalization companies. For these purposes, “small- and mid-capitalization companies” are generally those companies that, at the time of investment, fall within the lowest 25% of the total US equity market capitalization (excluding, for purposes of this calculation, companies with market capitalizations of less than \$10 million). Because the Fund’s definition of small- and mid-capitalization companies is dynamic, the limits on market capitalization will change with the markets. In the future, the Fund may define small- and mid-capitalization companies using a different classification system.

The Fund may invest in any company and industry and in any type of equity security with potential for capital appreciation. It invests in well-known and established companies and in new and less-seasoned companies. The Fund’s investment policies emphasize investments in companies that are demonstrating improving financial results and a favorable earnings outlook. The Fund may invest in foreign securities.

The Fund invests principally in equity securities but may also invest in other types of securities, such as preferred stocks. The Fund, at times, invests in shares of exchange-traded funds (“ETFs”) in lieu of making direct investments in securities. ETFs may provide more efficient and economical exposure to the types of companies and geographic locations in which the Fund seeks to invest than direct investments. The Fund may also invest up to 20% of its total assets in rights and warrants.

The Fund may enter into derivatives transactions, such as options, futures contracts, forwards and swaps to manage risk and to seek to generate additional returns. The Fund may use options strategies involving the purchase and/or writing of various combinations of call and/or put options, including on individual securities and stock indices, futures contracts (including futures contracts on individual securities and stock indices) or shares of ETFs. These transactions may be used, for example, in an effort to earn extra income, to adjust exposure to individual securities or markets, or to protect all or a portion of the Fund’s portfolio from a decline in value, sometimes within certain ranges.

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## DISCLOSURES AND RISKS

### Benchmark Disclosure

**The Russell 2500® Growth Index is unmanaged and does not reflect fees and expenses associated with the active management of a mutual fund portfolio.** The Russell 2500 Growth Index represents the performance of small- to mid-cap growth companies within the US. An investor cannot invest directly in an index, and its results are not indicative of the performance for any specific investment, including the Fund.

### A Word About Risk

**Market Risk:** The value of the Fund's assets will fluctuate as the stock or bond market fluctuates. The value of its investments may decline, sometimes rapidly and unpredictably, simply because of economic changes or other events, including public health crises (including the occurrence of a contagious disease or illness) and regional and global conflicts, that affect large portions of the market. It includes the risk that a particular style of investing, such as growth, may underperform the market generally.

**Sector Risk:** The Fund may have more risk because it may invest to a significant extent in one or more particular market sectors, such as the information technology sector. To the extent it does so, market or economic factors affecting the relevant sector(s) could have a major effect on the value of the Fund's investments.

**Capitalization Risk:** Investments in small- and mid-capitalization companies may be more volatile than investments in large-capitalization companies. Investments in small-capitalization companies may have additional risks because these companies have limited product lines, markets or financial resources.

**Foreign (Non-US) Risk:** Investments in securities of non-US issuers may involve more risk than those of US issuers. These securities may fluctuate more widely in price and may be more difficult to trade due to adverse market, economic, political, regulatory or other factors.

**Management Risk:** The Fund is subject to management risk because it is an actively managed investment fund. The Adviser will apply its investment techniques and risk analyses in making investment decisions for the Fund, but there is no guarantee that its techniques will produce the intended results. Some of these techniques may incorporate, or rely upon, quantitative models, but there is no guarantee that these models will generate accurate forecasts, reduce risk or otherwise perform as expected.

These risks are fully discussed in the Fund's prospectus. As with all investments, you may lose money by investing in the Fund.

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## **DISCLOSURES AND RISKS** (continued)

### **An Important Note About Historical Performance**

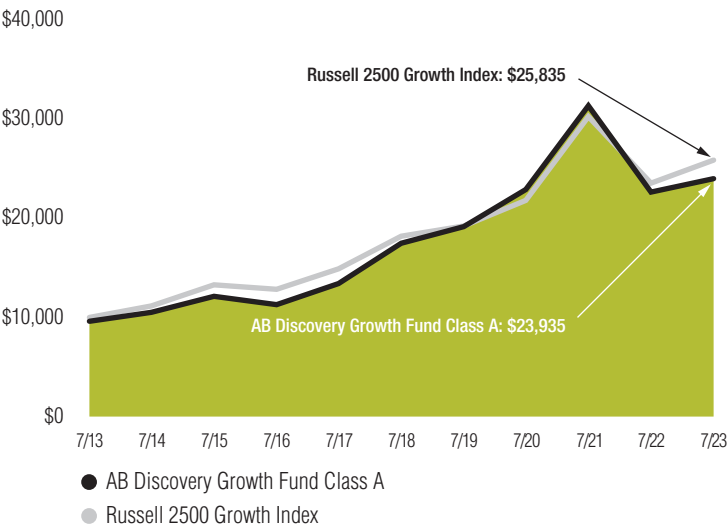
The investment return and principal value of an investment in the Fund will fluctuate, so that shares, when redeemed, may be worth more or less than their original cost. Performance shown in this report represents past performance and does not guarantee future results. Current performance may be lower or higher than the performance information shown. You may obtain performance information current to the most recent month-end by visiting [www.abfunds.com](http://www.abfunds.com).

All fees and expenses related to the operation of the Fund have been deducted. Net asset value (“NAV”) returns do not reflect sales charges; if sales charges were reflected, the Fund’s quoted performance would be lower. SEC returns reflect the applicable sales charges for each share class: a 4.25% maximum front-end sales charge for Class A shares and a 1% 1-year contingent deferred sales charge for Class C shares. Returns for the different share classes will vary due to different expenses associated with each class. Performance assumes reinvestment of distributions and does not account for taxes.



# HISTORICAL PERFORMANCE

## GROWTH OF A \$10,000 INVESTMENT IN THE FUND (unaudited) 7/31/2013 TO 7/31/2023



This chart illustrates the total value of an assumed \$10,000 investment in AB Discovery Growth Fund Class A shares (from 7/31/2013 to 7/31/2023) as compared with the performance of the Fund's benchmark. The chart reflects the deduction of the maximum 4.25% sales charge from the initial \$10,000 investment in the Fund and assumes the reinvestment of dividends and capital gains distributions.

## HISTORICAL PERFORMANCE (continued)

### AVERAGE ANNUAL RETURNS AS OF JULY 31, 2023 (unaudited)

	NAV Returns	SEC Returns (reflects applicable sales charges)
<b>CLASS A SHARES</b>		
1 Year	5.82%	1.34%
5 Years	6.50%	5.58%
10 Years	9.59%	9.12%
<b>CLASS C SHARES</b>		
1 Year	5.17%	4.17%
5 Years	5.71%	5.71%
10 Years <sup>1</sup>	8.76%	8.76%
<b>ADVISOR CLASS SHARES<sup>2</sup></b>		
1 Year	6.12%	6.12%
5 Years	6.74%	6.74%
10 Years	9.85%	9.85%
<b>CLASS R SHARES<sup>2</sup></b>		
1 Year	5.52%	5.52%
5 Years	6.05%	6.05%
10 Years	9.15%	9.15%
<b>CLASS K SHARES<sup>2</sup></b>		
1 Year	5.75%	5.75%
5 Years	6.34%	6.34%
10 Years	9.45%	9.45%
<b>CLASS I SHARES<sup>2</sup></b>		
1 Year	6.03%	6.03%
5 Years	6.72%	6.72%
10 Years	9.84%	9.84%
<b>CLASS Z SHARES<sup>2</sup></b>		
1 Year	6.19%	6.19%
5 Years	6.80%	6.80%
Since Inception <sup>3</sup>	9.85%	9.85%

The Fund's current prospectus fee table shows the Fund's total annual operating expense ratios as 0.91%, 1.68%, 0.68%, 1.36%, 1.07%, 0.71% and 0.64% for Class A, Class C, Advisor Class, Class R, Class K, Class I and Class Z shares, respectively, gross of any fee waivers or expense reimbursements. The Financial Highlights section of this report sets forth expense ratio data for the current reporting period; the expense ratios shown above may differ from the expense ratios in the Financial Highlights section since they are based on different time periods.

- 1 Assumes conversion of Class C shares into Class A shares after eight years.
- 2 These share classes are offered at NAV to eligible investors and their SEC returns are the same as their NAV returns. Please note that these share classes are for investors purchasing shares through accounts established under certain fee-based programs sponsored and maintained by certain broker-dealers and financial intermediaries, institutional pension plans and/or investment advisory clients of, and certain other persons associated with, the Adviser and its affiliates or the Fund.
- 3 Inception date: 5/30/2014.

## HISTORICAL PERFORMANCE (continued)

### SEC AVERAGE ANNUAL RETURNS AS OF THE MOST RECENT CALENDAR QUARTER-END JUNE 30, 2023 (unaudited)

	SEC Returns (reflects applicable sales charges)
<b>CLASS A SHARES</b>	
1 Year	12.03%
5 Years	5.05%
10 Years	9.60%
<b>CLASS C SHARES</b>	
1 Year	15.15%
5 Years	5.16%
10 Years <sup>1</sup>	9.24%
<b>ADVISOR CLASS SHARES<sup>2</sup></b>	
1 Year	17.08%
5 Years	6.20%
10 Years	10.32%
<b>CLASS R SHARES<sup>2</sup></b>	
1 Year	16.37%
5 Years	5.47%
10 Years	9.61%
<b>CLASS K SHARES<sup>2</sup></b>	
1 Year	16.60%
5 Years	5.79%
10 Years	9.93%
<b>CLASS I SHARES<sup>2</sup></b>	
1 Year	17.05%
5 Years	6.17%
10 Years	10.32%
<b>CLASS Z SHARES<sup>2</sup></b>	
1 Year	17.05%
5 Years	6.24%
Since Inception <sup>3</sup>	9.64%

1 Assumes conversion of Class C shares into Class A shares after eight years.

2 Please note that these share classes are for investors purchasing shares through accounts established under certain fee-based programs sponsored and maintained by certain broker-dealers and financial intermediaries, institutional pension plans and/or investment advisory clients of, and certain other persons associated with, the Adviser and its affiliates or the Fund.

3 Inception date: 5/30/2014.

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## EXPENSE EXAMPLE

(unaudited)

As a shareholder of the Fund, you incur two types of costs: (1) transaction costs, including sales charges (loads) on purchase payments, contingent deferred sales charges on redemptions and (2) ongoing costs, including management fees; distribution (12b-1) fees; and other Fund expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Fund and to compare these costs with the ongoing costs of investing in other mutual funds.

The Example is based on an investment of \$1,000 invested at the beginning of the period and held for the entire period as indicated below.

### Actual Expenses

The table below provides information about actual account values and actual expenses. You may use the information, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number under the heading entitled “Expenses Paid During Period” to estimate the expenses you paid on your account during this period.

### Hypothetical Example for Comparison Purposes

The table below also provides information about hypothetical account values and hypothetical expenses based on the Fund’s actual expense ratio and an assumed annual rate of return of 5% before expenses, which is not the Fund’s actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Fund and other funds by comparing this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of other funds.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs, such as sales charges (loads), or contingent deferred sales charges on redemptions. Therefore, the hypothetical example is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transactional costs were included, your costs would have been higher.

## EXPENSE EXAMPLE (continued)

	Beginning Account Value February 1, 2023	Ending Account Value July 31, 2023	Expenses Paid During Period*	Annualized Expense Ratio*
<b>Class A</b>				
Actual	\$ 1,000	\$ 1,062.80	\$ 4.71	0.92%
Hypothetical**	\$ 1,000	\$ 1,020.23	\$ 4.61	0.92%
<b>Class C</b>				
Actual	\$ 1,000	\$ 1,061.30	\$ 8.64	1.69%
Hypothetical**	\$ 1,000	\$ 1,016.41	\$ 8.45	1.69%
<b>Advisor Class</b>				
Actual	\$ 1,000	\$ 1,064.20	\$ 3.53	0.69%
Hypothetical**	\$ 1,000	\$ 1,021.37	\$ 3.46	0.69%
<b>Class R</b>				
Actual	\$ 1,000	\$ 1,060.40	\$ 7.15	1.40%
Hypothetical**	\$ 1,000	\$ 1,017.85	\$ 7.00	1.40%
<b>Class K</b>				
Actual	\$ 1,000	\$ 1,062.20	\$ 5.78	1.13%
Hypothetical**	\$ 1,000	\$ 1,019.19	\$ 5.66	1.13%
<b>Class I</b>				
Actual	\$ 1,000	\$ 1,063.40	\$ 4.30	0.84%
Hypothetical**	\$ 1,000	\$ 1,020.63	\$ 4.21	0.84%
<b>Class Z</b>				
Actual	\$ 1,000	\$ 1,065.00	\$ 3.38	0.66%
Hypothetical**	\$ 1,000	\$ 1,021.52	\$ 3.31	0.66%

\* Expenses are equal to the classes' annualized expense ratios, multiplied by the average account value over the period, multiplied by 181/365 (to reflect the one-half year period).

\*\* Assumes 5% annual return before expenses.

## PORTFOLIO SUMMARY

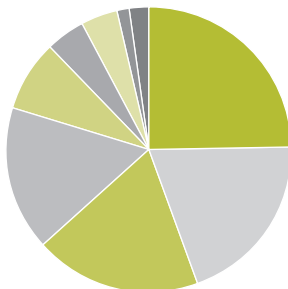
July 31, 2023

### PORTFOLIO STATISTICS

Net Assets (\$mil): \$2,947.7

#### SECTOR BREAKDOWN<sup>1</sup>

- 24.8% Information Technology
- 19.8% Industrials
- 18.8% Health Care
- 16.4% Consumer Discretionary
- 8.1% Financials
- 4.5% Consumer Staples
- 4.2% Energy
- 1.4% Funds and Investment Trusts
- 2.0% Short-Term Investments



#### TEN LARGEST HOLDINGS<sup>2</sup>

Company	U.S. \$ Value	Percent of Net Assets
Dynatrace, Inc.	\$ 60,531,931	2.1%
Five Below, Inc.	58,700,628	2.0
Kinsale Capital Group, Inc.	57,176,720	1.9
Manhattan Associates, Inc.	56,891,683	1.9
Five9, Inc.	56,877,883	1.9
Axon Enterprise, Inc.	56,859,439	1.9
Deckers Outdoor Corp.	56,639,450	1.9
Lattice Semiconductor Corp.	56,031,953	1.9
PTC, Inc.	52,482,706	1.8
Universal Display Corp.	49,550,330	1.7
	\$ 561,742,723	19.0%

1 The Fund's sector breakdown is expressed as a percentage of total investments (excluding security lending collateral) and may vary over time.

2 Long-term investments.

Please note: The sector classifications presented herein are based on the Global Industry Classification Standard (GICS) which was developed by Morgan Stanley Capital International and Standard & Poor's. The components are divided into sector, industry group, and industry sub-indices as classified by the GICS for each of the market capitalization indices in the broad market. These sector classifications are broadly defined. The "Portfolio of Investments" section of the report reflects more specific industry information and is consistent with the investment restrictions discussed in the Fund's prospectus.

## PORTFOLIO OF INVESTMENTS

July 31, 2023

Company	Shares	U.S. \$ Value
<b>COMMON STOCKS – 96.7%</b>		
<b>Information Technology – 24.8%</b>		
<b>Electronic Equipment, Instruments &amp; Components – 4.3%</b>		
Littelfuse, Inc. ....	144,717	\$ 44,080,798
Novanta, Inc. <sup>(a)</sup> .....	250,465	44,307,259
Shoals Technologies Group, Inc. – Class A <sup>(a)</sup> .....	1,454,644	37,762,558
		<u>126,150,615</u>
<b>IT Services – 2.8%</b>		
DigitalOcean Holdings, Inc. <sup>(a)(b)</sup> .....	768,265	38,044,483
MongoDB, Inc. <sup>(a)</sup> .....	108,511	45,943,557
		<u>83,988,040</u>
<b>Semiconductors &amp; Semiconductor Equipment – 5.5%</b>		
Lattice Semiconductor Corp. <sup>(a)</sup> .....	616,142	56,031,953
MACOM Technology Solutions Holdings, Inc. <sup>(a)</sup> .....	412,535	28,844,447
Monolithic Power Systems, Inc. ....	49,742	27,830,152
Universal Display Corp. ....	339,665	49,550,330
		<u>162,256,882</u>
<b>Software – 12.2%</b>		
Fair Isaac Corp. <sup>(a)</sup> .....	48,957	41,024,497
Five9, Inc. <sup>(a)</sup> .....	648,181	56,877,883
Freshworks, Inc. – Class A <sup>(a)</sup> .....	2,051,132	38,274,123
HubSpot, Inc. <sup>(a)</sup> .....	60,887	35,347,948
Manhattan Associates, Inc. <sup>(a)</sup> .....	298,456	56,891,683
Monday.com Ltd. <sup>(a)(b)</sup> .....	201,791	36,479,777
PTC, Inc. <sup>(a)</sup> .....	359,939	52,482,706
Smartsheet, Inc. – Class A <sup>(a)</sup> .....	936,036	41,559,998
		<u>358,938,615</u>
		<u>731,334,152</u>
<b>Industrials – 19.8%</b>		
<b>Aerospace &amp; Defense – 5.9%</b>		
Axon Enterprise, Inc. <sup>(a)</sup> .....	305,811	56,859,439
Curtiss-Wright Corp. ....	211,926	40,554,159
Hexcel Corp. ....	494,831	34,974,655
Howmet Aerospace, Inc. ....	827,897	42,338,653
		<u>174,726,906</u>
<b>Building Products – 3.3%</b>		
AZEK Co., Inc. (The) <sup>(a)</sup> .....	724,348	22,599,658
Builders FirstSource, Inc. <sup>(a)</sup> .....	266,777	38,530,602
Carlisle Cos., Inc. ....	133,464	36,996,221
		<u>98,126,481</u>
<b>Commercial Services &amp; Supplies – 1.4%</b>		
Tetra Tech, Inc. ....	238,867	40,418,685

## PORTFOLIO OF INVESTMENTS (continued)

Company	Shares	U.S. \$ Value
<b>Ground Transportation – 2.7%</b>		
Saia, Inc. <sup>(a)(b)</sup> .....	102,737	\$ 43,472,134
TFI International, Inc. ....	275,633	35,377,496
		<u>78,849,630</u>
<b>Machinery – 4.1%</b>		
Ingersoll Rand, Inc. <sup>(b)</sup> .....	614,600	40,114,942
ITT, Inc. ....	431,735	43,000,806
Middleby Corp. (The) <sup>(a)</sup> .....	241,411	36,658,260
		<u>119,774,008</u>
<b>Professional Services – 0.9%</b>		
FTI Consulting, Inc. <sup>(a)</sup> .....	158,066	27,686,841
<b>Trading Companies &amp; Distributors – 1.5%</b>		
SiteOne Landscape Supply, Inc. <sup>(a)</sup> .....	251,875	42,818,750
		<u>582,401,301</u>
<b>Health Care – 18.8%</b>		
<b>Biotechnology – 9.1%</b>		
ACELYRIN, Inc. <sup>(a)</sup> .....	517,511	12,854,973
Arcus Biosciences, Inc. <sup>(a)(b)</sup> .....	490,718	9,765,288
Ascendis Pharma A/S (ADR) <sup>(a)</sup> .....	125,298	11,295,615
Blueprint Medicines Corp. <sup>(a)</sup> .....	288,224	19,022,784
Bridgebio Pharma, Inc. <sup>(a)</sup> .....	312,514	10,941,115
Halozyme Therapeutics, Inc. <sup>(a)</sup> .....	339,483	14,584,190
Intellia Therapeutics, Inc. <sup>(a)(b)</sup> .....	309,487	13,100,585
Karuna Therapeutics, Inc. <sup>(a)</sup> .....	104,961	20,968,059
Legend Biotech Corp. (ADR) <sup>(a)</sup> .....	211,447	15,968,477
Madrigal Pharmaceuticals, Inc. <sup>(a)</sup> .....	68,208	14,003,102
Morphic Holding, Inc. <sup>(a)(b)</sup> .....	244,219	13,854,544
Natera, Inc. <sup>(a)</sup> .....	825,521	37,330,060
Sarepta Therapeutics, Inc. <sup>(a)</sup> .....	235,530	25,529,097
Ultragenyx Pharmaceutical, Inc. <sup>(a)</sup> .....	366,839	15,818,098
Vaxcyte, Inc. <sup>(a)</sup> .....	358,686	17,238,449
Viking Therapeutics, Inc. <sup>(a)</sup> .....	640,125	9,281,812
Vir Biotechnology, Inc. <sup>(a)</sup> .....	582,253	8,198,122
		<u>269,754,370</u>
<b>Health Care Equipment &amp; Supplies – 4.5%</b>		
AtriCure, Inc. <sup>(a)</sup> .....	735,163	40,691,272
Insulet Corp. <sup>(a)(b)</sup> .....	91,068	25,203,069
iRhythm Technologies, Inc. <sup>(a)</sup> .....	224,630	23,599,628
Lantheus Holdings, Inc. <sup>(a)</sup> .....	501,516	43,376,119
		<u>132,870,088</u>
<b>Health Care Providers &amp; Services – 2.3%</b>		
Guardant Health, Inc. <sup>(a)</sup> .....	1,007,569	39,315,343
Inari Medical, Inc. <sup>(a)</sup> .....	498,828	28,468,114
		<u>67,783,457</u>



## PORTFOLIO OF INVESTMENTS (continued)

Company	Shares	U.S. \$ Value
<b>Life Sciences Tools &amp; Services – 1.7%</b>		
ICON PLC <sup>(a)</sup> .....	70,547	\$ 17,736,221
Repligen Corp. <sup>(a)</sup> .....	185,884	31,890,259
		<u>49,626,480</u>
<b>Pharmaceuticals – 1.2%</b>		
Intra-Cellular Therapies, Inc. <sup>(a)</sup> .....	356,624	22,053,628
Revance Therapeutics, Inc. <sup>(a)(b)</sup> .....	535,543	12,654,881
		<u>34,708,509</u>
		<u>554,742,904</u>
<b>Consumer Discretionary – 16.5%</b>		
<b>Broadline Retail – 1.9%</b>		
Driven Brands Holdings, Inc. <sup>(a)</sup> .....	1,435,173	37,127,926
Global-e Online Ltd. <sup>(a)</sup> .....	414,040	18,652,502
		<u>55,780,428</u>
<b>Distributors – 0.3%</b>		
Pool Corp. ....	22,739	<u>8,748,603</u>
<b>Hotels, Restaurants &amp; Leisure – 4.5%</b>		
Cava Group, Inc. <sup>(a)</sup> .....	434,962	24,840,680
Planet Fitness, Inc. – Class A <sup>(a)(b)</sup> .....	418,794	28,285,347
Vail Resorts, Inc. ....	145,681	34,306,418
Wingstop, Inc. ....	268,538	45,270,136
		<u>132,702,581</u>
<b>Household Durables – 1.2%</b>		
NVR, Inc. <sup>(a)</sup> .....	5,505	<u>34,716,952</u>
<b>Specialty Retail – 6.7%</b>		
Burlington Stores, Inc. <sup>(a)</sup> .....	197,778	35,129,328
Dynatrace, Inc. <sup>(a)</sup> .....	1,106,819	60,531,931
Five Below, Inc. <sup>(a)</sup> .....	281,754	58,700,628
Lithia Motors, Inc. ....	135,750	42,154,448
		<u>196,516,335</u>
<b>Textiles, Apparel &amp; Luxury Goods – 1.9%</b>		
Deckers Outdoor Corp. <sup>(a)</sup> .....	104,176	56,639,450
		<u>485,104,349</u>
<b>Financials – 8.1%</b>		
<b>Capital Markets – 3.3%</b>		
Ares Management Corp. – Class A.....	365,522	36,267,093
MarketAxess Holdings, Inc. ....	100,839	27,147,875
PJT Partners, Inc. – Class A <sup>(b)</sup> .....	432,519	34,303,082
		<u>97,718,050</u>
<b>Financial Services – 2.9%</b>		
Flywire Corp. <sup>(a)</sup> .....	1,319,451	45,046,057
Shift4 Payments, Inc. – Class A <sup>(a)(b)</sup> .....	570,892	39,385,839
		<u>84,431,896</u>

## PORTFOLIO OF INVESTMENTS (continued)

Company	Shares	U.S. \$ Value
<b>Insurance – 1.9%</b>		
Kinsale Capital Group, Inc. ....	153,441	\$ 57,176,720
		<u>239,326,666</u>
<b>Consumer Staples – 4.5%</b>		
<b>Beverages – 1.5%</b>		
Celsius Holdings, Inc. <sup>(a)</sup> .....	294,500	<u>42,614,150</u>
<b>Consumer Staples Distribution &amp; Retail – 1.5%</b>		
Grocery Outlet Holding Corp. <sup>(a)</sup> .....	1,362,020	<u>45,559,569</u>
<b>Food Products – 1.5%</b>		
Freshpet, Inc. <sup>(a)</sup> .....	604,734	<u>44,472,138</u>
		<u>132,645,857</u>
<b>Energy – 4.2%</b>		
<b>Energy Equipment &amp; Services – 1.4%</b>		
TechnipFMC PLC <sup>(a)</sup> .....	2,274,935	<u>41,722,308</u>
<b>Oil, Gas &amp; Consumable Fuels – 2.8%</b>		
Permian Resources Corp. <sup>(b)</sup> .....	3,613,328	<u>42,239,804</u>
Southwestern Energy Co. <sup>(a)</sup> .....	6,297,001	<u>40,804,567</u>
		<u>83,044,371</u>
		<u>124,766,679</u>
Total Common Stocks (cost \$2,342,238,457) .....		<u>2,850,321,908</u>
<b>INVESTMENT COMPANIES – 1.3%</b>		
<b>Funds and Investment Trusts – 1.3%</b>		
iShares Russell 2000 Growth ETF <sup>(b)(c)</sup> (cost \$29,350,977) .....	157,002	<u>39,884,788</u>
<b>SHORT-TERM INVESTMENTS – 2.0%</b>		
<b>Investment Companies – 2.0%</b>		
AB Fixed Income Shares, Inc. – Government Money Market Portfolio – Class AB, 5.19% <sup>(c)(d)(e)</sup> (cost \$58,623,349) .....	58,623,349	<u>58,623,349</u>
<b>Total Investments Before Security Lending Collateral for Securities Loaned – 100.0%</b>		
(cost \$2,430,212,783) .....		<u>2,948,830,045</u>

PORTFOLIO OF INVESTMENTS (continued)

Company	Shares	U.S. \$ Value
<b>INVESTMENTS OF CASH COLLATERAL FOR SECURITIES LOANED – 1.2%</b>		
<b>Investment Companies – 1.2%</b>		
AB Fixed Income Shares, Inc. – Government Money Market Portfolio – Class AB, 5.19%(c)(d)(e) (cost \$33,954,975) .....	33,954,975	\$ 33,954,975
<b>Total Investments – 101.2%</b>		
(cost \$2,464,167,758) .....		2,982,785,020
Other assets less liabilities – (1.2)% .....		(35,101,563)
<b>Net Assets – 100.0% .....</b>		<b>\$ 2,947,683,457</b>

(a) Non-income producing security.

(b) Represents entire or partial securities out on loan. See Note E for securities lending information.

(c) To obtain a copy of the fund’s shareholder report, please go to the Securities and Exchange Commission’s website at [www.sec.gov](http://www.sec.gov). Additionally, shareholder reports for AB funds can be obtained by calling AB at (800) 227-4618.

(d) Affiliated investments.

(e) The rate shown represents the 7-day yield as of period end.

Glossary:

ADR – American Depositary Receipt

ETF – Exchange Traded Fund

See notes to financial statements.

## STATEMENT OF ASSETS & LIABILITIES

July 31, 2023

### Assets

Investments in securities, at value	
Unaffiliated issuers (cost \$2,371,589,434) .....	\$ 2,890,206,696 <sup>(a)</sup>
Affiliated issuers (cost \$92,578,324—including investment of cash collateral for securities loaned of \$33,954,975) .....	92,578,324
Receivable for investment securities sold .....	3,968,129
Receivable for capital stock sold .....	2,221,291
Affiliated dividends receivable .....	280,715
Interest receivable .....	26,923
Total assets .....	<u>2,989,282,078</u>

### Liabilities

Payable for collateral received on securities loaned .....	33,954,975
Payable for investment securities purchased .....	3,035,081
Payable for capital stock redeemed .....	2,514,486
Advisory fee payable .....	1,381,223
Distribution fee payable .....	125,581
Transfer Agent fee payable .....	80,785
Administrative fee payable .....	27,525
Directors' fees payable .....	4,254
Accrued expenses .....	474,711
Total liabilities .....	<u>41,598,621</u>
Net Assets .....	<u>\$ 2,947,683,457</u>

### Composition of Net Assets

Capital stock, at par .....	\$ 2,767,306
Additional paid-in capital .....	2,905,335,539
Distributable earnings .....	39,580,612
Net Assets .....	<u>\$ 2,947,683,457</u>

### Net Asset Value Per Share—27 billion shares of capital stock authorized, \$.01 par value

Class	Net Assets	Shares Outstanding	Net Asset Value
<b>A</b>	\$ 600,349,482	61,107,932	\$ 9.82*
<b>C</b>	\$ 10,872,821	3,144,349	\$ 3.46
<b>Advisor</b>	\$ 1,138,015,624	102,489,944	\$ 11.10
<b>R</b>	\$ 16,756,552	1,948,358	\$ 8.60
<b>K</b>	\$ 12,651,149	1,321,638	\$ 9.57
<b>I</b>	\$ 419,056,286	38,435,896	\$ 10.90
<b>Z</b>	\$ 749,981,543	68,282,515	\$ 10.98

(a) Includes securities on loan with a value of \$173,172,157 (see Note E).

\* The maximum offering price per share for Class A shares was \$10.26 which reflects a sales charge of 4.25%.

See notes to financial statements.

## STATEMENT OF OPERATIONS

Year Ended July 31, 2023

### Investment Income

#### Dividends

Unaffiliated issuers (net of foreign taxes withheld of \$62,279) .....	\$ 11,021,934	
Affiliated issuers .....	2,199,743	
Interest .....	250	
Securities lending income .....	459,564	
Other income .....	14,332	\$ 13,695,823

### Expenses

Advisory fee (see Note B) .....	16,584,266	
Distribution fee—Class A .....	1,357,850	
Distribution fee—Class C .....	121,918	
Distribution fee—Class R .....	86,462	
Distribution fee—Class K .....	33,673	
Transfer agency—Class A .....	396,213	
Transfer agency—Class C .....	8,706	
Transfer agency—Advisor Class .....	707,755	
Transfer agency—Class R .....	38,000	
Transfer agency—Class K .....	29,829	
Transfer agency—Class I .....	484,784	
Transfer agency—Class Z .....	176,714	
Custody and accounting .....	195,275	
Registration fees .....	187,611	
Printing .....	169,735	
Administrative .....	83,227	
Legal .....	65,462	
Audit and tax .....	52,994	
Directors' fees .....	52,735	
Miscellaneous .....	116,356	
Total expenses .....	20,949,565	
Less: expenses waived and reimbursed by the Adviser (see Notes B & E) .....	(65,408)	
Net expenses .....		20,884,157
Net investment loss .....		(7,188,334)

### Realized and Unrealized Gain (Loss) on

#### Investment Transactions

Net realized loss on investment transactions ...	(363,974,073)
Net change in unrealized appreciation (depreciation) of investments .....	535,619,849
Net gain on investment transactions .....	171,645,776

### Net Increase in Net Assets from

Operations .....	\$ 164,457,442
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See notes to financial statements.

## STATEMENT OF CHANGES IN NET ASSETS

	Year Ended July 31, 2023	Year Ended July 31, 2022
<b>Increase (Decrease) in Net Assets from Operations</b>		
Net investment loss .....	\$ (7,188,334)	\$ (12,812,555)
Net realized gain (loss) on investment transactions .....	(363,974,073)	43,290,550
Net change in unrealized appreciation (depreciation) of investments .....	535,619,849	(1,186,363,040)
Contributions from Affiliates (see Note B) .....	— 0 —	117,632
Net increase (decrease) in net assets from operations .....	164,457,442	(1,155,767,413)
Distributions to Shareholders		
Class A .....	— 0 —	(153,412,709)
Class C .....	— 0 —	(9,769,601)
Advisor Class .....	— 0 —	(230,561,651)
Class R .....	— 0 —	(5,635,764)
Class K .....	— 0 —	(4,561,255)
Class I .....	— 0 —	(82,286,983)
Class Z .....	— 0 —	(129,984,059)
<b>Capital Stock Transactions</b>		
Net increase (decrease) .....	(145,793,537)	318,868,500
Total increase (decrease) .....	18,663,905	(1,453,110,935)
<b>Net Assets</b>		
Beginning of period .....	2,929,019,552	4,382,130,487
End of period .....	<b>\$ 2,947,683,457</b>	<b>\$ 2,929,019,552</b>

See notes to financial statements.

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## NOTES TO FINANCIAL STATEMENTS

July 31, 2023

### NOTE A

#### Significant Accounting Policies

The AB Discovery Growth Fund, Inc. (the “Fund”) is registered under the Investment Company Act of 1940 as a diversified, open-end management investment company. The Fund offers Class A, Class C, Advisor Class, Class R, Class K, Class I and Class Z shares. Class B and Class T shares have been authorized but currently are not offered. Class A shares are sold with a front-end sales charge of up to 4.25% for purchases not exceeding \$1,000,000. With respect to purchases of \$1,000,000 or more, Class A shares redeemed within one year of purchase may be subject to a contingent deferred sales charge of 1%. Class C shares are subject to a contingent deferred sales charge of 1% on redemptions made within the first year after purchase, and 0% after the first year of purchase. Class C shares automatically convert to Class A shares eight years after the end of the calendar month of purchase. Class R and Class K shares are sold without an initial or contingent deferred sales charge. Advisor Class, Class I and Class Z shares are sold without an initial or contingent deferred sales charge and are not subject to ongoing distribution expenses. All nine classes of shares have identical voting, dividend, liquidation and other rights, except that the classes bear different distribution and transfer agency expenses. Each class has exclusive voting rights with respect to its distribution plan. The financial statements have been prepared in conformity with U.S. generally accepted accounting principles (“U.S. GAAP”), which require management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities in the financial statements and amounts of income and expenses during the reporting period. Actual results could differ from those estimates. The Fund is an investment company under U.S. GAAP and follows the accounting and reporting guidance applicable to investment companies. The following is a summary of significant accounting policies followed by the Fund.

#### 1. Security Valuation

Portfolio securities are valued at market value determined on the basis of market quotations or, if market quotations are not readily available or are unreliable, at “fair value” as determined in accordance with procedures approved by and under the oversight of the Fund’s Board of Directors (the “Board”). Pursuant to these procedures, AllianceBernstein L.P. (the “Adviser”) serves as the Fund’s valuation designee pursuant to Rule 2a-5 of the 1940 Act. In this capacity, the Adviser is responsible, among other things, for making all fair value determinations relating to the Fund’s portfolio investments, subject to the Board’s oversight.

In general, the market values of securities which are readily available and deemed reliable are determined as follows: securities listed on a national

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## NOTES TO FINANCIAL STATEMENTS (continued)

securities exchange (other than securities listed on the NASDAQ Stock Market, Inc. ("NASDAQ")) or on a foreign securities exchange are valued at the last sale price at the close of the exchange or foreign securities exchange. If there has been no sale on such day, the securities are valued at the last traded price from the previous day. Securities listed on more than one exchange are valued by reference to the principal exchange on which the securities are traded; securities listed only on NASDAQ are valued in accordance with the NASDAQ Official Closing Price; listed or over the counter ("OTC") market put or call options are valued at the mid level between the current bid and ask prices. If either a current bid or current ask price is unavailable, the Adviser will have discretion to determine the best valuation (e.g., last trade price in the case of listed options); open futures are valued using the closing settlement price or, in the absence of such a price, the most recent quoted bid price. If there are no quotations available for the day of valuation, the last available closing settlement price is used; U.S. Government securities and any other debt instruments having 60 days or less remaining until maturity are generally valued at market by an independent pricing vendor, if a market price is available. If a market price is not available, the securities are valued at amortized cost. This methodology is commonly used for short term securities that have an original maturity of 60 days or less, as well as short term securities that had an original term to maturity that exceeded 60 days. In instances when amortized cost is utilized, the Valuation Committee (the "Committee") must reasonably conclude that the utilization of amortized cost is approximately the same as the fair value of the security. Factors the Committee will consider include, but are not limited to, an impairment of the creditworthiness of the issuer or material changes in interest rates. Fixed-income securities, including mortgage-backed and asset-backed securities, may be valued on the basis of prices provided by a pricing service or at a price obtained from one or more of the major broker-dealers. In cases where broker-dealer quotes are obtained, the Adviser may establish procedures whereby changes in market yields or spreads are used to adjust, on a daily basis, a recently obtained quoted price on a security. Swaps and other derivatives are valued daily, primarily using independent pricing services, independent pricing models using market inputs, as well as third party broker-dealers or counterparties. Open-end mutual funds are valued at the closing net asset value per share, while exchange traded funds are valued at the closing market price per share.

Securities for which market quotations are not readily available (including restricted securities) or are deemed unreliable are valued at fair value as deemed appropriate by the Adviser. Factors considered in making this determination may include, but are not limited to, information obtained by contacting the issuer, analysts, analysis of the issuer's financial statements or other available documents. In addition, the Fund may use fair value



pricing for securities primarily traded in non-U.S. markets because most foreign markets close well before the Fund values its securities at 4:00 p.m., Eastern Time. The earlier close of these foreign markets gives rise to the possibility that significant events, including broad market moves, may have occurred in the interim and may materially affect the value of those securities. To account for this, the Fund generally values many of its foreign equity securities using fair value prices based on third party vendor modeling tools to the extent available.

## **2. Fair Value Measurements**

In accordance with U.S. GAAP regarding fair value measurements, fair value is defined as the price that the Fund would receive to sell an asset or pay to transfer a liability in an orderly transaction between market participants at the measurement date. U.S. GAAP establishes a framework for measuring fair value, and a three-level hierarchy for fair value measurements based upon the transparency of inputs to the valuation of an asset or liability (including those valued based on their market values as described in Note A.1 above). Inputs may be observable or unobservable and refer broadly to the assumptions that market participants would use in pricing the asset or liability. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability based on market data obtained from sources independent of the Fund. Unobservable inputs reflect the Fund's own assumptions about the assumptions that market participants would use in pricing the asset or liability based on the best information available in the circumstances. Each investment is assigned a level based upon the observability of the inputs which are significant to the overall valuation. The three-tier hierarchy of inputs is summarized below.

- Level 1—quoted prices in active markets for identical investments
- Level 2—other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)
- Level 3—significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments)

Where readily available market prices or relevant bid prices are not available for certain equity investments, such investments may be valued based on similar publicly traded investments, movements in relevant indices since last available prices or based upon underlying company fundamentals and comparable company data (such as multiples to earnings or other multiples to equity). Where an investment is valued using an observable input, such as another publicly traded security, the investment will be classified as Level 2. If management determines that an adjustment is appropriate based on restrictions on resale, illiquidity or uncertainty, and such

## NOTES TO FINANCIAL STATEMENTS (continued)

adjustment is a significant component of the valuation, the investment will be classified as Level 3. An investment will also be classified as Level 3 where management uses company fundamentals and other significant inputs to determine the valuation.

The following table summarizes the valuation of the Fund's investments by the above fair value hierarchy levels as of July 31, 2023:

<b>Investments in Securities:</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
<b>Assets:</b>				
Common Stocks <sup>(a)</sup> .....	\$ 2,850,321,908	\$ - 0 -	\$ - 0 -	\$ 2,850,321,908
Investment Companies .....	39,884,788	- 0 -	- 0 -	39,884,788
Short-Term Investments .....	58,623,349	- 0 -	- 0 -	58,623,349
Investments of Cash Collateral for Securities Loaned in Affiliated Money Market Fund .....	33,954,975	- 0 -	- 0 -	33,954,975
Total Investments in Securities ..	2,982,785,020	- 0 -	- 0 -	2,982,785,020
<b>Other Financial Instruments<sup>(b)</sup> .....</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>
<b>Total .....</b>	<b>\$ 2,982,785,020</b>	<b>\$ - 0 -</b>	<b>\$ - 0 -</b>	<b>\$ 2,982,785,020</b>

(a) See Portfolio of Investments for sector classifications.

(b) Other financial instruments are derivative instruments, such as futures, forwards and swaps, which are valued at the unrealized appreciation (depreciation) on the instrument. Other financial instruments may also include swaps with upfront premiums, written options and written swaptions which are valued at market value.

### 3. Currency Translation

Assets and liabilities denominated in foreign currencies and commitments under forward currency exchange contracts are translated into U.S. dollars at the mean of the quoted bid and ask prices of such currencies against the U.S. dollar. Purchases and sales of portfolio securities are translated into U.S. dollars at the rates of exchange prevailing when such securities were acquired or sold. Income and expenses are translated into U.S. dollars at rates of exchange prevailing when accrued.

Net realized gain or loss on foreign currency transactions represents foreign exchange gains and losses from sales and maturities of foreign fixed income investments, holding of foreign currencies, currency gains or losses realized between the trade and settlement dates on foreign investment transactions, and the difference between the amounts of dividends, interest and foreign withholding taxes recorded on the Fund's books and the U.S. dollar equivalent amounts actually received or paid. Net unrealized currency gains and losses from valuing foreign currency denominated assets and liabilities at period end exchange rates are reflected as a component of net unrealized appreciation or depreciation of foreign currency denominated assets and liabilities.

**4. Taxes**

It is the Fund's policy to meet the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute all of its investment company taxable income and net realized gains, if any, to shareholders. Therefore, no provisions for federal income or excise taxes are required. The Fund may be subject to taxes imposed by countries in which it invests. Such taxes are generally based on income and/or capital gains earned or repatriated. Taxes are accrued and applied to net investment income, net realized gains and net unrealized appreciation/depreciation as such income and/or gains are earned.

In accordance with U.S. GAAP requirements regarding accounting for uncertainties in income taxes, management has analyzed the Fund's tax positions taken or expected to be taken on federal and state income tax returns for all open tax years (the current and the prior three tax years) and has concluded that no provision for income tax is required in the Fund's financial statements.

**5. Investment Income and Investment Transactions**

Dividend income is recorded on the ex-dividend date or as soon as the Fund is informed of the dividend. Interest income is accrued daily. Investment transactions are accounted for on the date the securities are purchased or sold. Investment gains or losses are determined on the identified cost basis. Non-cash dividends, if any, are recorded on the ex-dividend date at the fair value of the securities received. The Fund amortizes premiums and accretes discounts as adjustments to interest income. The Fund accounts for distributions received from REIT investments or from regulated investment companies as dividend income, realized gain, or return of capital based on information provided by the REIT or the investment company.

**6. Class Allocations**

All income earned and expenses incurred by the Fund are borne on a pro-rata basis by each outstanding class of shares, based on the proportionate interest in the Fund represented by the net assets of such class, except for class specific expenses which are allocated to the respective class. Realized and unrealized gains and losses are allocated among the various share classes based on respective net assets.

**7. Dividends and Distributions**

Dividends and distributions to shareholders, if any, are recorded on the ex-dividend date. Income dividends and capital gains distributions are determined in accordance with federal tax regulations and may differ from those determined in accordance with U.S. GAAP. To the extent these differences are permanent, such amounts are reclassified within the capital accounts based on their federal tax basis treatment; temporary differences do not require such reclassification.

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## NOTES TO FINANCIAL STATEMENTS (continued)

### NOTE B

#### Advisory Fee and Other Transactions with Affiliates

Under the terms of the investment advisory agreement, the Fund pays the Adviser an advisory fee at an annual rate of .75% on the first \$500 million of average daily net assets, .65% on the next \$500 million of average daily net assets and .55% on average daily net assets in excess of \$1 billion. Such fee is accrued daily and paid monthly.

Pursuant to the investment advisory agreement, the Fund may reimburse the Adviser for certain legal and accounting services provided to the Fund by the Adviser. For the year ended July 31, 2023, the reimbursement for such services amounted to \$83,227.

The Fund compensates AllianceBernstein Investor Services, Inc. ("ABIS"), a wholly-owned subsidiary of the Adviser, under a Transfer Agency Agreement for providing personnel and facilities to perform transfer agency services for the Fund. ABIS may make payments to intermediaries that provide omnibus account services, sub-accounting services and/or net-working services. Such compensation retained by ABIS amounted to \$806,915 for the year ended July 31, 2023.

AllianceBernstein Investments, Inc. (the "Distributor"), a wholly-owned subsidiary of the Adviser, serves as the distributor of the Fund's shares. The Distributor has advised the Fund that it has retained front-end sales charges of \$5,054 from the sale of Class A shares and received \$1,930 and \$430 in contingent deferred sales charges imposed upon redemptions by shareholders of Class A and Class C shares, respectively, for the year ended July 31, 2023.

The Fund may invest in AB Government Money Market Portfolio (the "Government Money Market Portfolio") which has a contractual annual advisory fee rate of .20% of the portfolio's average daily net assets and bears its own expenses. The Adviser has contractually agreed to waive .10% of the advisory fee of Government Money Market Portfolio (resulting in a net advisory fee of .10%) until August 31, 2023. In connection with the investment by the Fund in Government Money Market Portfolio, the Adviser has contractually agreed to waive its advisory fee from the Fund in an amount equal to the Fund's pro rata share of the effective advisory fee of Government Money Market Portfolio, as borne indirectly by the Fund as an acquired fund fee and expense. For the year ended July 31, 2023, such waiver amounted to \$55,620.

## NOTES TO FINANCIAL STATEMENTS (continued)

A summary of the Fund's transactions in AB mutual funds for the year ended July 31, 2023 is as follows:

<b>Fund</b>	<b>Market Value 7/31/22 (000)</b>	<b>Purchases at Cost (000)</b>	<b>Sales Proceeds (000)</b>	<b>Market Value 7/31/23 (000)</b>	<b>Dividend Income (000)</b>
Government Money Market Portfolio ....	\$ 86,546	\$ 693,195	\$ 721,118	\$ 58,623	\$ 2,200
Government Money Market Portfolio* ...	74,220	628,868	669,133	33,955	127
Total.....				<u>\$ 92,578</u>	<u>\$ 2,327</u>

\* Investments of cash collateral for securities lending transactions (see Note E).

During the year ended July 31, 2022, the Adviser reimbursed the Fund \$117,632 for trading losses incurred due to a trade entry error.

### NOTE C Distribution Services Agreement

The Fund has adopted a Distribution Services Agreement (the "Agreement") pursuant to Rule 12b-1 under the Investment Company Act of 1940. Under the Agreement, the Fund pays distribution and servicing fees to the Distributor at an annual rate of up to .30% of the Fund's average daily net assets attributable to Class A shares, 1% of the Fund's average daily net assets attributable to Class C shares, .50% of the Fund's average daily net assets attributable to Class R shares and .25% of the Fund's average daily net assets attributable to Class K shares. There are no distribution and servicing fees on the Advisor Class, Class I and Class Z shares. The fees are accrued daily and paid monthly. Payments under the Agreement in respect of Class A shares are currently limited to an annual rate of .23% of Class A shares' average daily net assets. The Agreement provides that the Distributor will use such payments in their entirety for distribution assistance and promotional activities. Since the commencement of the Fund's operations, the Distributor has incurred expenses in excess of the distribution costs reimbursed by the Fund in the amounts of \$3,099,080, \$710,060 and \$384,529 for Class C, Class R and Class K shares, respectively. While such costs may be recovered from the Fund in future periods so long as the Agreement is in effect, the rate of the distribution and servicing fees payable under the Agreement may not be increased without a shareholder vote. In accordance with the Agreement, there is no provision for recovery of unreimbursed distribution costs incurred by the Distributor beyond the current fiscal year for Class A shares. The Agreement also provides that the Adviser may use its own resources to finance the distribution of the Fund's shares.

## NOTES TO FINANCIAL STATEMENTS (continued)

### NOTE D

#### Investment Transactions

Purchases and sales of investment securities (excluding short-term investments) for the year ended July 31, 2023 were as follows:

	<b>Purchases</b>	<b>Sales</b>
Investment securities (excluding		
U.S. government securities) .....	\$ 1,889,129,689	\$ 2,021,847,574
U.S. government securities .....	- 0 -	- 0 -

The cost of investments for federal income tax purposes, gross unrealized appreciation and unrealized depreciation are as follows:

Cost .....	\$ 2,580,291,796
Gross unrealized appreciation .....	\$ 609,420,647
Gross unrealized depreciation .....	(206,927,423)
Net unrealized appreciation .....	\$ 402,493,224

#### 1. Derivative Financial Instruments

The Fund may use derivatives in an effort to earn income and enhance returns, to replace more traditional direct investments, to obtain exposure to otherwise inaccessible markets (collectively, "investment purposes"), or to hedge or adjust the risk profile of its portfolio.

The Fund did not engage in derivatives transactions for the year ended July 31, 2023.

#### 2. Currency Transactions

The Fund may invest in non-U.S. Dollar-denominated securities on a currency hedged or unhedged basis. The Fund may seek investment opportunities by taking long or short positions in currencies through the use of currency-related derivatives, including forward currency exchange contracts, futures and options on futures, swaps, and other options. The Fund may enter into transactions for investment opportunities when it anticipates that a foreign currency will appreciate or depreciate in value but securities denominated in that currency are not held by the Fund and do not present attractive investment opportunities. Such transactions may also be used when the Adviser believes that it may be more efficient than a direct investment in a foreign currency-denominated security. The Fund may also conduct currency exchange contracts on a spot basis (i.e., for cash at the spot rate prevailing in the currency exchange market for buying or selling currencies).

**NOTE E****Securities Lending**

The Fund may enter into securities lending transactions. Under the Fund's securities lending program, all loans of securities will be collateralized continually by cash collateral and/or non-cash collateral. Non-cash collateral will include only securities issued or guaranteed by the U.S. government or its agencies or instrumentalities. If the Fund cannot sell or repledge any non-cash collateral, such collateral will not be reflected in the portfolio of investments. If a loan is collateralized by cash, the Fund will be compensated for the loan from a portion of the net return from the income earned on cash collateral after a rebate is paid to the borrower (in some cases, this rebate may be a "negative rebate" or fee paid by the borrower to the Fund in connection with the loan), and payments are made for fees of the securities lending agent and for certain other administrative expenses. If the Fund receives non-cash collateral, the Fund will receive a fee from the borrower generally equal to a negotiated percentage of the market value of the loaned securities. The Fund will have the right to call a loan and obtain the securities loaned at any time on notice to the borrower within the normal and customary settlement time for the securities. While the securities are on loan, the borrower is obligated to pay the Fund amounts equal to any dividend income or other distributions from the securities; however, these distributions will not be afforded the same preferential tax treatment as qualified dividends. The Fund will not be able to exercise voting rights with respect to any securities during the existence of a loan, but will have the right to regain ownership of loaned securities in order to exercise voting or other ownership rights. Collateral received and securities loaned are marked to market daily to ensure that the securities loaned are secured by collateral. The lending agent currently invests the cash collateral received in Government Money Market Portfolio, an eligible money market vehicle, in accordance with the investment restrictions of the Fund, and as approved by the Board. The collateral received on securities loaned is recorded as an asset as well as a corresponding liability in the statement of assets and liabilities. The collateral will be adjusted the next business day to maintain the required collateral amount. The amounts of securities lending income from the borrowers and Government Money Market Portfolio are reflected in the statement of operations. When the Fund earns net securities lending income from Government Money Market Portfolio, the income is inclusive of a rebate expense paid to the borrower. In connection with the cash collateral investment by the Fund in Government Money Market Portfolio, the Adviser has agreed to waive a portion of the Fund's share of the advisory fees of Government Money Market Portfolio, as borne indirectly by the Fund as an acquired fund fee and expense. When the Fund lends securities, its investment performance will continue to reflect changes in the value of the securities loaned. A principal risk of lending portfolio securities is that the borrower may fail to return the loaned

## NOTES TO FINANCIAL STATEMENTS (continued)

securities upon termination of the loan and that the collateral will not be sufficient to replace the loaned securities. The lending agent has agreed to indemnify the Fund in the case of default of any securities borrower.

A summary of the Fund's transactions surrounding securities lending for the year ended July 31, 2023 is as follows:

Market Value of Securities on Loan*	Cash Collateral*	Market Value of Non-Cash Collateral*	Income from Borrowers	Government Money Market Portfolio	
				Income Earned	Advisory Fee Waived
\$ 173,172,157	\$ 33,954,975	\$ 141,353,975	\$ 332,357	\$ 127,207	\$ 9,788

\* As of July 31, 2023.

### NOTE F Capital Stock

Each class consists of 3,000,000,000 authorized shares. Transactions in capital shares for each class were as follows:

	Shares		Amount	
	Year Ended July 31, 2023	Year Ended July 31, 2022	Year Ended July 31, 2023	Year Ended July 31, 2022
<b>Class A</b>				
Shares sold	1,789,160	3,145,408	\$ 16,047,325	\$ 35,204,769
Shares issued in reinvestment of distributions	- 0 -	9,754,223	- 0 -	129,536,079
Shares converted from Class C	150,589	457,621	1,378,797	5,929,202
Shares redeemed	(12,321,589)	(9,679,615)	(109,238,124)	(111,006,780)
<b>Net increase (decrease)</b>	<b>(10,381,840)</b>	<b>3,677,637</b>	<b>\$ (91,812,002)</b>	<b>\$ 59,663,270</b>
<b>Class C</b>				
Shares sold	198,347	421,186	\$ 622,888	\$ 1,882,850
Shares issued in reinvestment of distributions	- 0 -	1,948,449	- 0 -	9,216,164
Shares converted to Class A	(426,558)	(1,158,300)	(1,378,797)	(5,929,202)
Shares redeemed	(1,182,000)	(1,493,625)	(3,705,230)	(6,379,843)
<b>Net decrease</b>	<b>(1,410,211)</b>	<b>(282,290)</b>	<b>\$ (4,461,139)</b>	<b>\$ (1,210,031)</b>



## NOTES TO FINANCIAL STATEMENTS (continued)

	Shares		Amount	
	Year Ended July 31, 2023	Year Ended July 31, 2022	Year Ended July 31, 2023	Year Ended July 31, 2022
<b>Advisor Class</b>				
Shares sold	16,904,094	17,685,062	\$ 170,246,766	\$ 229,946,484
Shares issued in reinvestment of distributions	— 0 —	14,449,300	— 0 —	216,017,026
Shares redeemed	(22,346,447)	(26,711,716)	(225,539,506)	(347,374,872)
<b>Net increase (decrease)</b>	<b>(5,442,353)</b>	<b>5,422,646</b>	<b>\$ (55,292,740)</b>	<b>\$ 98,588,638</b>
<b>Class R</b>				
Shares sold	275,852	550,803	\$ 2,159,307	\$ 6,333,842
Shares issued in reinvestment of distributions	— 0 —	481,158	— 0 —	5,634,364
Shares redeemed	(849,906)	(1,004,437)	(6,597,319)	(10,695,417)
<b>Net increase (decrease)</b>	<b>(574,054)</b>	<b>27,524</b>	<b>\$ (4,438,012)</b>	<b>\$ 1,272,789</b>
<b>Class K</b>				
Shares sold	192,997	381,383	\$ 1,700,046	\$ 4,147,368
Shares issued in reinvestment of distributions	— 0 —	351,677	— 0 —	4,561,254
Shares redeemed	(582,462)	(1,130,756)	(5,151,517)	(12,380,179)
<b>Net decrease</b>	<b>(389,465)</b>	<b>(397,696)</b>	<b>\$ (3,451,471)</b>	<b>\$ (3,671,557)</b>
<b>Class I</b>				
Shares sold	3,220,541	4,923,793	\$ 31,922,946	\$ 57,177,911
Shares issued in reinvestment of distributions	— 0 —	5,601,564	— 0 —	82,286,978
Shares redeemed	(6,141,580)	(5,888,647)	(61,080,147)	(77,121,625)
<b>Net increase (decrease)</b>	<b>(2,921,039)</b>	<b>4,636,710</b>	<b>\$ (29,157,201)</b>	<b>\$ 62,343,264</b>
<b>Class Z</b>				
Shares sold	23,384,714	9,940,849	\$ 230,735,912	\$ 128,398,087
Shares issued in reinvestment of distributions	— 0 —	8,776,919	— 0 —	129,722,868
Shares redeemed	(18,986,231)	(11,745,102)	(187,916,884)	(156,238,828)
<b>Net increase</b>	<b>4,398,483</b>	<b>6,972,666</b>	<b>\$ 42,819,028</b>	<b>\$ 101,882,127</b>

**NOTE G****Risks Involved in Investing in the Fund**

**Market Risk**—The value of the Fund's assets will fluctuate as the stock or bond market fluctuates. The value of its investments may decline, sometimes rapidly and unpredictably, simply because of economic changes or other events, including public health crises (including the occurrence of a contagious disease or illness) and regional and global conflicts, that affect large portions of the market. It includes the risk that a particular style of investing, such as growth, may underperform the market generally.

**Sector Risk**—The Fund may have more risk because it may invest to a significant extent in one or more particular market sectors, such as the information technology sector. To the extent it does so, market or economic factors affecting the relevant sector(s) could have a major effect on the value of the Fund's investments.

**Capitalization Risk**—Investments in small- and mid-capitalization companies may be more volatile than investments in large-capitalization companies. Investments in small-capitalization companies may have additional risks because these companies have limited product lines, markets or financial resources.

**Foreign (Non-U.S.) Risk**—Investments in securities of non-U.S. issuers may involve more risk than those of U.S. issuers. These securities may fluctuate more widely in price and may be more difficult to trade due to adverse market, economic, political, regulatory or other factors.

**LIBOR Transition and Associated Risk**—The Fund may be exposed to debt securities, derivatives or other financial instruments that utilize the London Interbank Offered Rate, or "LIBOR," as a "benchmark" or "reference rate" for various interest rate calculations. In 2017, the United Kingdom Financial Conduct Authority ("FCA"), which regulates LIBOR, announced a desire to phase out the use of LIBOR by the end of 2021. As announced by the FCA and LIBOR's administrator, ICE Benchmark Administration, most LIBOR settings (which reflect LIBOR rates quoted in different currencies over various time periods) have not been published since the end of 2021, but the most widely used U.S. Dollar LIBOR settings are expected to continue to be published until June 30, 2023. However, banks were strongly encouraged to cease entering into agreements with counterparties referencing LIBOR by the end of 2021. It is possible that a subset of LIBOR settings will be published after these dates on a "synthetic" basis, but any such publications would be considered non-representative of the underlying market. Since 2018 the Federal Reserve Bank of New York has published the Secured Overnight Financing Rate (referred to as SOFR), which is intended to replace U.S. Dollar LIBOR. SOFR is a broad measure

of the cost of borrowing cash overnight collateralized by U.S. Treasury securities in the repurchase agreement (repo) market and has been used increasingly on a voluntary basis in new instruments and transactions. In addition, on March 15, 2022, the Adjustable Interest Rate Act was signed into law. This law provides a statutory fallback mechanism to replace LIBOR with a benchmark rate that is selected by the Federal Reserve Board and based on SOFR for certain contracts that reference LIBOR without adequate fallback provisions. On December 16, 2022, the Federal Reserve Board adopted regulations implementing the law by identifying benchmark rates based on SOFR that will replace LIBOR in different categories of financial contracts after June 30, 2023. The regulations include provisions that (i) provide a safe harbor for selection or use of a replacement benchmark rate selected by the Federal Reserve Board; (ii) clarify who may choose the replacement benchmark rate selected by the Federal Reserve Board; and (iii) ensure that contracts adopting a replacement benchmark rate selected by the Federal Reserve Board will not be interrupted or terminated following the replacement of LIBOR.

The elimination of LIBOR or changes to other reference rates or any other changes or reforms to the determination or supervision of reference rates could have an adverse impact on the market for, or value of, any securities or payments linked to those reference rates, which may adversely affect the Fund's performance and/or NAV. Uncertainty and risk also remain regarding the willingness and ability of issuers and lenders to include revised provisions in new and existing contracts or instruments. Consequently, the transition from LIBOR to other reference rates may lead to increased volatility and illiquidity in markets that are tied to LIBOR, fluctuations in values of LIBOR-related investments or investments in issuers that utilize LIBOR, increased difficulty in borrowing or refinancing and diminished effectiveness of hedging strategies, potentially adversely affecting the Fund's performance. Furthermore, the risks associated with the expected discontinuation of LIBOR and transition may be exacerbated if the work necessary to effect an orderly transition to an alternative reference rate is not completed in a timely manner. Neither the effect of the LIBOR transition process nor its ultimate success can yet be known.

**Indemnification Risk**—In the ordinary course of business, the Fund enters into contracts that contain a variety of indemnifications. The Fund's maximum exposure under these arrangements is unknown. However, the Fund has not had prior claims or losses pursuant to these indemnification provisions and expects the risk of loss thereunder to be remote. Therefore, the Fund has not accrued any liability in connection with these indemnification provisions.

## NOTES TO FINANCIAL STATEMENTS (continued)

**Management Risk**—The Fund is subject to management risk because it is an actively-managed investment fund. The Adviser will apply its investment techniques and risk analyses in making investment decisions for the Fund, but there is no guarantee that its techniques will produce the intended results. Some of these techniques may incorporate, or rely upon, quantitative models, but there is no guarantee that these models will generate accurate forecasts, reduce risk or otherwise perform as expected.

### NOTE H

#### Joint Credit Facility

A number of open-end mutual funds managed by the Adviser, including the Fund, participate in a \$325 million revolving credit facility (the “Facility”) intended to provide short-term financing related to redemptions and other short term liquidity requirements, subject to certain restrictions. Commitment fees related to the Facility are paid by the participating funds and are included in miscellaneous expenses in the statement of operations. The Fund did not utilize the Facility during the year ended July 31, 2023.

### NOTE I

#### Distributions to Shareholders

The tax character of distributions paid during the fiscal years ended July 31, 2023 and July 31, 2022 were as follows:

	2023	2022
Distributions paid from:		
Ordinary income .....	\$ - 0 -	\$ 77,812,862
Net long-term capital gains .....	- 0 -	538,399,160
Total taxable distributions paid .....	\$ - 0 -	\$ 616,212,022

As of July 31, 2023, the components of accumulated earnings (deficit) on a tax basis were as follows:

Accumulated capital losses .....	\$ (358,112,163) <sup>(a)</sup>
Other losses .....	(4,634,795) <sup>(b)</sup>
Unrealized appreciation (depreciation) .....	402,493,224 <sup>(c)</sup>
Total accumulated earnings (deficit) .....	\$ 39,746,266

(a) As of July 31, 2023, the Fund had a net capital loss carryforward of \$196,439,650. As of July 31, 2023, the Fund had a post-October short term capital loss deferral of \$86,966,950, and a post-October long term capital loss deferral of \$74,705,563.

(b) As of July 31, 2023, the Fund had a qualified late-year ordinary loss deferral of \$4,634,795.

(c) The difference between book-basis and tax-basis unrealized appreciation (depreciation) is attributable primarily to the tax deferral of losses on wash sales.

For tax purposes, net realized capital losses may be carried over to offset future capital gains, if any. Funds are permitted to carry forward capital losses for an indefinite period, and such losses will retain their character as

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## **NOTES TO FINANCIAL STATEMENTS** (continued)

either short-term or long-term capital losses. As of July 31, 2023, the Fund had a net short-term capital loss carryforward of \$196,439,650, which may be carried forward for an indefinite period.

During the current fiscal year, permanent differences primarily due to the disallowance of a net operating loss resulted in a net increase in distributable earnings and a net decrease in additional paid-in capital. These reclassifications had no effect on net assets.

### **NOTE J**

#### **Recent Accounting Pronouncements**

In December 2022, the Financial Accounting Standards Board issued an Accounting Standards Update, ASU 2022-06, "Reference Rate Reform (Topic 848) – Deferral of the Sunset Date of Topic 848". ASU 2022-06 is an amendment to ASU 2020-04, which provided optional guidance to ease the potential accounting burden due to the discontinuation of the LIBOR and other interbank-offered based reference rates and which was effective as of March 12, 2020 through December 31, 2022. ASU 2022-06 extends the effective period through December 31, 2024. Management is currently evaluating the impact, if any, of applying ASU 2022-06.

### **NOTE K**

#### **Subsequent Events**

Management has evaluated subsequent events for possible recognition or disclosure in the financial statements through the date the financial statements are issued. Management has determined that there are no material events that would require disclosure in the Fund's financial statements through this date.

## FINANCIAL HIGHLIGHTS

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class A				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 9.28	\$ 15.11	\$ 12.74	\$ 11.40	\$ 12.41
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.04)	(.06)	(.09)	(.06)	(.06)
Net realized and unrealized gain (loss) on investment transactions .....	.58	(3.45)	4.58	2.11	.82
Contributions from Affiliates .....	– 0 –	.00 <sup>(c)</sup>	– 0 –	– 0 –	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.54	(3.51)	4.49	2.05	.76
<b>Less: Distributions</b>					
Distributions from net realized gain on investment transactions ...	– 0 –	(2.32)	(2.12)	(.71)	(1.77)
Net asset value, end of period .....	<b>\$ 9.82</b>	<b>\$ 9.28</b>	<b>\$ 15.11</b>	<b>\$ 12.74</b>	<b>\$ 11.40</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	5.82%	(27.82)%	37.21%+	19.40%	9.54%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$600,349	\$663,173	\$1,024,438	\$795,559	\$726,621
Ratio to average net assets of:					
Expenses, net of waivers/ reimbursements .....	.93%	.91%	.91%	.96%	.95%
Expenses, before waivers/ reimbursements .....	.94%	.91%	.91%	.96%	.95%
Net investment loss <sup>(b)</sup> .....	(.43)%	(.52)%	(.65)%	(.56)%	(.53)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class C				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 3.29	\$ 6.85	\$ 6.76	\$ 6.44	\$ 7.93
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.04)	(.06)	(.10)	(.08)	(.09)
Net realized and unrealized gain (loss) on investment transactions .....	.21	(1.18)	2.31	1.11	.37
Contributions from Affiliates .....	– 0 –	.00 <sup>(c)</sup>	– 0 –	– 0 –	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.17	(1.24)	2.21	1.03	.28
<b>Less: Distributions</b>					
Distributions from net realized gain on investment transactions ..	– 0 –	(2.32)	(2.12)	(.71)	(1.77)
Net asset value, end of period.....	<b>\$ 3.46</b>	<b>\$ 3.29</b>	<b>\$ 6.85</b>	<b>\$ 6.76</b>	<b>\$ 6.44</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	5.17%	(28.44)%	36.23%	18.43%	8.72%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$10,873	\$14,986	\$33,132	\$34,650	\$43,545
Ratio to average net assets of:					
Expenses, net of waivers/reimbursements.....	1.71%	1.68%	1.68%	1.73%	1.72%
Expenses, before waivers/reimbursements.....	1.71%	1.68%	1.68%	1.73%	1.73%
Net investment loss <sup>(b)</sup> .....	(1.20)%	(1.30)%	(1.42)%	(1.33)%	(1.31)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Advisor Class				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 10.46	\$ 16.71	\$ 13.88	\$ 12.33	\$ 13.26
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.02)	(.04)	(.07)	(.04)	(.04)
Net realized and unrealized gain (loss) on investment transactions .....	.66	(3.89)	5.02	2.30	.90
Contributions from Affiliates .....	- 0 -	.00 <sup>(c)</sup>	- 0 -	- 0 -	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.64	(3.93)	4.95	2.26	.86
<b>Less: Dividends and Distributions</b>					
Dividends from net investment income .....	- 0 -	- 0 -	- 0 -	- 0 -	(.02)
Distributions from net realized gain on investment transactions ..	- 0 -	(2.32)	(2.12)	(.71)	(1.77)
Total dividends and distributions .....	- 0 -	(2.32)	(2.12)	(.71)	(1.79)
Net asset value, end of period .....	<b>\$ 11.10</b>	<b>\$ 10.46</b>	<b>\$ 16.71</b>	<b>\$ 13.88</b>	<b>\$ 12.33</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	6.12%	(27.70)%	37.49%	19.65%	9.75%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$1,138,015	\$1,129,007	\$1,713,283	\$1,253,607	\$1,215,645
Ratio to average net assets of:					
Expenses, net of waivers/reimbursements .....	.70%	.68%	.68%	.73%	.72%
Expenses, before waivers/reimbursements .....	.70%	.68%	.68%	.73%	.72%
Net investment loss <sup>(b)</sup> .....	(.20)%	(.28)%	(.42)%	(.33)%	(.30)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.



## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class R				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 8.15	\$ 13.61	\$ 11.69	\$ 10.56	\$ 11.69
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.07)	(.10)	(.14)	(.10)	(.10)
Net realized and unrealized gain (loss) on investment transactions .....	.52	(3.04)	4.18	1.94	.74
Contributions from Affiliates .....	– 0 –	.00 <sup>(c)</sup>	– 0 –	– 0 –	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.45	(3.14)	4.04	1.84	.64
<b>Less: Distributions</b>					
Distributions from net realized gain on investment transactions ..	– 0 –	(2.32)	(2.12)	(.71)	(1.77)
Net asset value, end of period.....	<b>\$ 8.60</b>	<b>\$ 8.15</b>	<b>\$ 13.61</b>	<b>\$ 11.69</b>	<b>\$ 10.56</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	5.52%	(28.21)%	36.65%+	18.93%	9.04%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$16,757	\$20,570	\$33,946	\$25,040	\$24,376
Ratio to average net assets of:					
Expenses, net of waivers/reimbursements .....	1.36%	1.36%	1.36%	1.38%	1.37%
Expenses, before waivers/reimbursements .....	1.36%	1.36%	1.36%	1.39%	1.37%
Net investment loss <sup>(b)</sup> .....	(.85)%	(.97)%	(1.10)%	(.99)%	(.95)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class K				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 9.05	\$ 14.82	\$ 12.55	\$ 11.25	\$ 12.29
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.05)	(.08)	(.11)	(.07)	(.07)
Net realized and unrealized gain (loss) on investment transactions .....	.57	(3.37)	4.50	2.08	.80
Contributions from Affiliates .....	– 0 –	.00 <sup>(c)</sup>	– 0 –	– 0 –	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.52	(3.45)	4.39	2.01	.73
<b>Less: Distributions</b>					
Distributions from net realized gain on investment transactions ..	– 0 –	(2.32)	(2.12)	(.71)	(1.77)
Net asset value, end of period.....	<b>\$ 9.57</b>	<b>\$ 9.05</b>	<b>\$ 14.82</b>	<b>\$ 12.55</b>	<b>\$ 11.25</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	5.75%	(27.97)%	36.96%+	19.30%	9.37%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$12,651	\$15,493	\$31,252	\$21,964	\$21,997
Ratio to average net assets of:					
Expenses, net of waivers/ reimbursements .....	1.11%	1.06%	1.07%	1.09%	1.08%
Expenses, before waivers/ reimbursements .....	1.11%	1.07%	1.07%	1.09%	1.09%
Net investment loss <sup>(b)</sup> .....	(.60)%	(.68)%	(.81)%	(.69)%	(.67)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class I				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 10.28	\$ 16.46	\$ 13.70	\$ 12.18	\$ 13.12
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.03)	(.04)	(.08)	(.04)	(.04)
Net realized and unrealized gain (loss) on investment transactions .....	.65	(3.82)	4.96	2.27	.89
Contributions from Affiliates .....	- 0 -	.00 <sup>(c)</sup>	- 0 -	- 0 -	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.62	(3.86)	4.88	2.23	.85
<b>Less: Dividends and Distributions</b>					
Dividends from net investment income .....	- 0 -	- 0 -	- 0 -	- 0 -	(.02)
Distributions from net realized gain on investment transactions ..	- 0 -	(2.32)	(2.12)	(.71)	(1.77)
Total dividends and distributions .....	- 0 -	(2.32)	(2.12)	(.71)	(1.79)
Net asset value, end of period .....	<b>\$ 10.90</b>	<b>\$ 10.28</b>	<b>\$ 16.46</b>	<b>\$ 13.70</b>	<b>\$ 12.18</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	6.03%	(27.69)%	37.47%	19.65%	9.75%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$419,056	\$425,004	\$604,487	\$103,821	\$115,079
Ratio to average net assets of:					
Expenses, net of waivers/ reimbursements .....	.76%	.71%	.74%	.75%	.75%
Expenses, before waivers/ reimbursements .....	.76%	.71%	.74%	.76%	.75%
Net investment loss <sup>(b)</sup> .....	(.26)%	(.31)%	(.53)%	(.35)%	(.33)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

	Class Z				
	Year Ended July 31,				
	2023	2022	2021	2020	2019
Net asset value, beginning of period .....	\$ 10.34	\$ 16.54	\$ 13.75	\$ 12.21	\$ 13.15
<b>Income From Investment Operations</b>					
Net investment loss <sup>(a)(b)</sup> .....	(.02)	(.03)	(.06)	(.03)	(.03)
Net realized and unrealized gain (loss) on investment transactions .....	.66	(3.85)	4.97	2.28	.89
Contributions from Affiliates .....	- 0 -	.00 <sup>(c)</sup>	- 0 -	- 0 -	.00 <sup>(c)</sup>
Net increase (decrease) in net asset value from operations .....	.64	(3.88)	4.91	2.25	.86
<b>Less: Dividends and Distributions</b>					
Dividends from net investment income .....	- 0 -	- 0 -	- 0 -	- 0 -	(.03)
Distributions from net realized gain on investment transactions ..	- 0 -	(2.32)	(2.12)	(.71)	(1.77)
Total dividends and distributions .....	- 0 -	(2.32)	(2.12)	(.71)	(1.80)
Net asset value, end of period .....	<b>\$ 10.98</b>	<b>\$ 10.34</b>	<b>\$ 16.54</b>	<b>\$ 13.75</b>	<b>\$ 12.21</b>
<b>Total Return</b>					
Total investment return based on net asset value <sup>(d)*</sup> .....	6.19%	(27.68)%	37.55%	19.76%	9.82%
<b>Ratios/Supplemental Data</b>					
Net assets, end of period (000's omitted) .....	\$749,982	\$660,787	\$941,592	\$551,672	\$594,902
Ratio to average net assets of:					
Expenses, net of waivers/ reimbursements .....	.66%	.64%	.64%	.66%	.66%
Expenses, before waivers/ reimbursements .....	.67%	.64%	.64%	.66%	.66%
Net investment loss <sup>(b)</sup> .....	(.16)%	(.24)%	(.39)%	(.26)%	(.24)%
Portfolio turnover rate .....	70%	64%	75%	80%	69%

See footnote summary on page 43.

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## FINANCIAL HIGHLIGHTS (continued)

### Selected Data For A Share Of Capital Stock Outstanding Throughout Each Period

- (a) Based on average shares outstanding.
  - (b) Net of expenses waived/reimbursed by the Adviser.
  - (c) Amount is less than \$.005.
  - (d) Total investment return is calculated assuming an initial investment made at the net asset value at the beginning of the period, reinvestment of all dividends and distributions at net asset value during the period, and redemption on the last day of the period. Initial sales charges or contingent deferred sales charges are not reflected in the calculation of total investment return. Total return does not reflect the deduction of taxes that a shareholder would pay on fund distributions or the redemption of fund shares. Total investment return calculated for a period of less than one year is not annualized.
- \* Includes the impact of proceeds received and credited to the Fund resulting from class action settlements, which enhanced the Fund's performance for the year ended July 31, 2019 by .01%.
  - + The net asset value and total return include adjustments in accordance with accounting principles generally accepted in the United States of America for financial reporting purposes. As such, the net asset value and total return for shareholder transactions may differ from financial statements.

See notes to financial statements.

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## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

**To the Shareholders and the Board of Directors of  
AB Discovery Growth Fund, Inc.**

### ***Opinion on the Financial Statements***

We have audited the accompanying statement of assets and liabilities of AB Discovery Growth Fund, Inc. (the "Fund"), including the portfolio of investments, as of July 31, 2023, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, the financial highlights for each of the five years in the period then ended and the related notes (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund at July 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended and its financial highlights for each of the five years in the period then ended, in conformity with U.S. generally accepted accounting principles.

### ***Basis for Opinion***

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Fund is not required to have, nor were we engaged to perform, an audit of the Fund's internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our procedures included confirmation

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**REPORT OF INDEPENDENT REGISTERED  
PUBLIC ACCOUNTING FIRM** (continued)

of securities owned as of July 31, 2023, by correspondence with the custodian, brokers and others; when replies were not received from brokers or others, we performed other auditing procedures. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

*Ernst & Young LLP*

We have served as the auditor of one or more of the AB investment companies since 1968.

New York, New York  
September 26, 2023

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## BOARD OF DIRECTORS

**Garry L. Moody**<sup>(1)</sup>,

Chairman

**Jorge A. Bermudez**<sup>(1)</sup>

**Michael J. Downey**<sup>(1)</sup>

**Onur Erzan**, President and Chief  
Executive Officer

**Nancy P. Jacklin**<sup>(1)</sup>

**Jeanette W. Loeb**<sup>(1)</sup>

**Carol C. McMullen**<sup>(1)</sup>

**Marshall C. Turner, Jr.**<sup>(1)</sup>

## OFFICERS

**Bruce K. Aronow**<sup>(2)\*</sup>, Vice

President

**Esteban Gomez**<sup>(2)</sup>, Vice President

**Samantha S. Lau**<sup>(2)</sup>, Vice

President

**Heather Pavlak**<sup>(2)</sup>, Vice President

**Wen-Tse Tseng**<sup>(2)</sup>, Vice President

**Nancy E. Hay**, Secretary

**Michael B. Reyes**, Senior Vice  
President

**Joseph J. Mantineo**, Treasurer  
and Chief Financial Officer

**Stephen M. Woetzel**, Controller

**Jennifer Friedland**, Chief  
Compliance Officer

## Custodian and Accounting Agent

State Street Bank and Trust

Company

One Congress Street

Suite 1

Boston, MA 02114.

## Independent Registered Public Accounting Firm

Ernst & Young LLP

One Manhattan West

New York, NY 10001

## Principal Underwriter

AllianceBernstein Investments, Inc.

501 Commerce Street

Nashville, TN 37203

## Legal Counsel

Seward & Kissel LLP

One Battery Park Plaza

New York, NY 10004

## Transfer Agent

AllianceBernstein Investor Services,  
Inc.

P.O. Box 786003

San Antonio, TX 78278

Toll-Free (800) 221-5672

1 Member of the Audit Committee, the Governance and Nominating Committee and the Independent Directors Committee.

2 The day-to-day management of, and investment decisions for, the Fund's portfolio are made by the Adviser's U.S. Small/Mid Cap Growth Investment Team. Ms. Lau and Ms. Pavlak and Messrs. Aronow, Gomez and Tseng are the investment professionals with the most significant responsibility for the day-to-day management of the Fund's portfolio.

\* Mr. Aronow is expected to retire from the Adviser effective December 31, 2023.



## MANAGEMENT OF THE FUND

### Board of Directors Information

The business and affairs of the Fund are managed under the direction of the Board of Directors. Certain information concerning the Fund's Directors is set forth below.

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INTERESTED DIRECTOR</b>			
Onur Erzan, <sup>#</sup> 1345 Avenue of the Americas New York, NY 10105 47 (2021)	Senior Vice President of AllianceBernstein L.P. (the "Adviser"), Head of Global Client Group and Head of Private Wealth. He oversees AB's entire private wealth management business and third-party institutional and retail franchise, where he is responsible for all client services, sales and marketing, as well as product strategy, management and development worldwide. Director, President and Chief Executive Officer of the AB Mutual Funds as of April 1, 2021. He is also a member of the Equitable Holdings Management Committee. Prior to joining the firm in January 2021, he spent over 19 years with McKinsey (management consulting firm), most recently as a senior partner and co-leader of its Wealth & Asset Management practice. In addition, he co-led McKinsey's Banking & Securities Solutions (a portfolio of data, analytics and digital assets and capabilities) globally.	76	None

MANAGEMENT OF THE FUND (continued)

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INDEPENDENT DIRECTORS</b>			
Garry L. Moody,## <i>Chairman of the Board</i> 71 (2008)	Private Investor since prior to 2018. Formerly, Partner, Deloitte & Touche LLP (1995-2008) where he held a number of senior positions, including Vice Chairman, and U.S. and Global Investment Management Practice Managing Partner; President, Fidelity Accounting and Custody Services Company (1993-1995), where he was responsible for accounting, pricing, custody and reporting for the Fidelity mutual funds; and Partner, Ernst & Young LLP (1975-1993), where he served as the National Director of Mutual Fund Tax Services and Managing Partner of its Chicago Office Tax department. He is a member of the Investment Company Institute's Board of Governors and the Independent Directors Council's Governing Council, where he serves as Chairman of the Governance Committee. He is Chairman of the AB Funds and Chairman of the Independent Directors Committees since January 2023; he has served as a director or trustee since 2008, and served as Chairman of the Audit Committee of such funds from 2008 to February 2023.	76	None

## MANAGEMENT OF THE FUND (continued)

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INDEPENDENT DIRECTORS</b> <b>(continued)</b>			
Jorge A. Bermudez,## 72 (2020)	Private Investor since prior to 2018. Formerly, Chief Risk Officer of Citigroup, Inc., a global financial services company, from November 2007 to March 2008; Chief Executive Officer of Citigroup's Commercial Business Group in North America and Citibank Texas from 2005 to 2007; and a variety of other executive and leadership roles at various businesses within Citigroup prior to then; Chairman (2018) of the Texas A&M Foundation Board of Trustees (Trustee since 2013) and Chairman of the Smart Grid Center Board at Texas A&M University since 2012; director of, among others, Citibank N.A. from 2005 to 2008, the Federal Reserve Bank of Dallas, Houston Branch from 2009 to 2011, the Federal Reserve Bank of Dallas from 2011 to 2017, and the Electric Reliability Council of Texas from 2010 to 2016; and Chair of the Audit Committee of the Board of Directors of Moody's Corporation since December 2022. He has served as director or trustee of the AB Funds since January 2020.	76	Moody's Corporation since April 2011
Michael J. Downey,## 79 (2005)	Private Investor since prior to 2018. Formerly, Chairman of The Asia Pacific Fund, Inc. (registered investment company) since prior to 2018 until January 2019. From 1987 until 1993, Chairman and CEO of Prudential Mutual Fund Management, director of the Prudential mutual funds, and member of the Executive Committee of Prudential Securities, Inc. He has served as a director or trustee of the AB Funds since 2005.	76	None

## MANAGEMENT OF THE FUND (continued)

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INDEPENDENT DIRECTORS</b> <b>(continued)</b>			
Nancy P. Jacklin, ## 75 (2006)	Private Investor since prior to 2018. Professorial Lecturer at the Johns Hopkins School of Advanced International Studies (2008-2015). U.S. Executive Director of the International Monetary Fund (which is responsible for ensuring the stability of the international monetary system), (December 2002-May 2006); Partner, Clifford Chance (1992-2002); Sector Counsel, International Banking and Finance, and Associate General Counsel, Citicorp (1985-1992); Assistant General Counsel (International), Federal Reserve Board of Governors (1982-1985); and Attorney Advisor, U.S. Department of the Treasury (1973-1982). Member of the Bar of the District of Columbia and of New York; and member of the Council on Foreign Relations. She has served as a director or trustee of the AB Funds since 2006 and served as Chair of the Governance and Nominating Committees of the AB Funds from 2014 to August 2023.	76	None
Jeanette W. Loeb, ## 71 (2020)	Private Investor since prior to 2018. Director of New York City Center since 2005. Formerly, Chief Executive Officer of PetCareRx (e-commerce pet pharmacy) from 2002 to 2011 and 2015 to April 2023. She was a director of Apollo Investment Corp. (business development company) from August 2011 to July 2023 and a director of AB Multi-Manager Alternative Fund (fund of hedge funds) from 2012 to 2018. Formerly, affiliated with Goldman Sachs Group, Inc. (financial services) from 1977 to 1994, including as a partner thereof from 1986 to 1994. She has served as director or trustee of the AB Funds since April 2020 and serves as Chair of the Governance and Nominating Committees of the AB Funds since August 2023.	76	None

## MANAGEMENT OF THE FUND (continued)

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INDEPENDENT DIRECTORS</b> (continued)			
Carol C. McMullen,## 68 (2016)	Private Investor and a member of the Advisory Board of Butcher Box (since 2018) and serves as Advisory Board Chair as of June 2023. Formerly, Managing Director of Slalom Consulting (consulting) from 2014 until July 2023; member, Mass General Brigham (formerly, Partners Healthcare) Investment Committee (2010-2019); Director of Norfolk & Dedham Group (mutual property and casualty insurance) from 2011 until November 2016; Director of Partners Community Physicians Organization (healthcare) from 2014 until December 2016; and Managing Director of The Crossland Group (consulting) from 2012 until 2013. She has held a number of senior positions in the asset and wealth management industries, including at Eastern Bank (where her roles included President of Eastern Wealth Management), Thomson Financial (Global Head of Sales for Investment Management), and Putnam Investments (where her roles included Chief Investment Officer, Core and Growth and Head of Global Investment Research). She has served on a number of private company and non-profit boards, and as a director or trustee of the AB Funds since June 2016 and serves as Chair of the Audit Committees of such funds since February 2023.	76	None

## MANAGEMENT OF THE FUND (continued)

NAME, ADDRESS*, AGE AND (YEAR FIRST ELECTED**)	PRINCIPAL OCCUPATION(S), DURING PAST FIVE YEARS AND OTHER INFORMATION***	PORTFOLIOS IN AB FUND COMPLEX OVERSEEN BY DIRECTOR	OTHER PUBLIC COMPANY DIRECTORSHIPS CURRENTLY HELD BY DIRECTOR
<b>INDEPENDENT DIRECTORS</b> <b>(continued)</b>			
Marshall C. Turner, Jr.,## 81 (2005)	Private Investor since prior to 2018. Former Chairman and CEO of Dupont Photomasks, Inc. (semi-conductor manufacturing equipment). He was a Director of Xilinx, Inc. (programmable logic semi-conductors and adaptable, intelligent computing) from 2007 through August 2020, and is a former director of 33 other companies and organizations. He has extensive operating leadership and venture capital investing experience, including five interim or full-time CEO roles, and prior service as general partner of institutional venture capital partnerships. He also has extensive non-profit board leadership experience, and currently serves on the board of the George Lucas Educational Foundation. He has served as a director of one AB Fund since 1992, and director or trustee of all AB Funds since 2005. He has served as both Chairman of the AB Funds and Chairman of the Independent Directors Committees from 2014 through December 2022.	76	None

\* The address for each of the Fund's disinterested Directors is c/o AllianceBernstein L.P., Attention: Legal and Compliance Department—Mutual Fund Legal, 1345 Avenue of the Americas, New York, NY 10105.

\*\* There is no stated term of office for the Fund's Directors.

\*\*\* The information above includes each Director's principal occupation during the last five years and other information relating to the experience, attributes, and skills relevant to each Director's qualifications to serve as a Director, which led to the conclusion that each Director should serve as a Director for the Fund.

# Mr. Erzan is an "interested person" of the Fund, as defined in the 1940 Act, due to his position as a Senior Vice President of the Adviser.

## Member of the Audit Committee, the Governance and Nominating Committee and the Independent Directors Committee.

## MANAGEMENT OF THE FUND (continued)

### Officer Information

Certain information concerning the Fund's Officers is listed below.

NAME, ADDRESS* AND AGE	POSITION(S) HELD WITH FUND	PRINCIPAL OCCUPATION DURING PAST FIVE YEARS
Onur Erzan 47	President and Chief Executive Officer	See biography above.
Bruce K. Aronow* 57	Vice President	Senior Vice President of the Adviser**, with which he has been associated since prior to 2018. He is also Co-Chief Investment Officer of Small and SMID Cap Growth Equities.
Esteban Gomez 40	Vice President	Senior Vice President of the Adviser**, with which he has been associated since 2018.
Samantha S. Lau 50	Vice President	Senior Vice President of the Adviser**, with which she has been associated since prior to 2018. She is also Co-Chief Investment Officer of Small and SMID Cap Growth Equities.
Heather Pavlak 39	Vice President	Senior Vice President of the Adviser**, with which she has been associated since 2018. Before joining the Adviser in 2018, she spent four years at Schroders Investment Management as an equity research analyst.
Wen-Tse Tseng 57	Vice President	Senior Vice President of the Adviser**, with which he has been associated since prior to 2018.
Nancy E. Hay 51	Secretary	Senior Vice President and Counsel of the Adviser**, with which she has been associated since prior to 2018 and Assistant Secretary of ABI**.
Michael B. Reyes 47	Senior Vice President	Vice President of the Adviser**, with which he has been associated since prior to 2018.
Joseph J. Mantineo 64	Treasurer and Chief Financial Officer	Senior Vice President of AllianceBernstein Investor Services, Inc. ("ABIS")**, with which he has been associated since prior to 2018.
Stephen M. Woetzel 51	Controller	Senior Vice President of ABIS**, with which he has been associated since prior to 2018.
Jennifer Friedland 49	Chief Compliance Officer	Vice President of the Adviser** since 2020 and Mutual Fund Chief Compliance Officer (of all Funds since January 2023 and of the ETF Funds since 2022). Before joining the Adviser in 2020, she was Chief Compliance Officer at WestEnd Advisors, LLC from prior to 2018 until 2019.

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## MANAGEMENT OF THE FUND (continued)

\* The address for each of the Fund's Officers is 1345 Avenue of the Americas, New York, NY 10105.

\*\* The Adviser, ABI and ABIS are affiliates of the Fund.

^ Mr. Aronow is expected to retire from the Adviser effective December 31, 2023.

The Fund's Statement of Additional Information (SAI) has additional information about the Fund's Directors and Officers and is available without charge upon request. Contact your financial representative or AB at (800) 227-4618, or visit [www.abfunds.com](http://www.abfunds.com), for a free prospectus or SAI.



## **Operation and Effectiveness of the Fund's Liquidity Risk Management Program:**

In October 2016, the Securities and Exchange Commission ("SEC") adopted the open-end fund liquidity rule (the "Liquidity Rule"). In June 2018 the SEC adopted a requirement that funds disclose information about the operation and effectiveness of their Liquidity Risk Management Program ("LRMP") in their reports to shareholders.

One of the requirements of the Liquidity Rule is for the Fund to designate an Administrator of the Fund's Liquidity Risk Management Program. The Administrator of the Fund's LRMP is AllianceBernstein L.P., the Fund's investment adviser (the "Adviser"). The Adviser has delegated the responsibility to its Liquidity Risk Management Committee (the "Committee").

Another requirement of the Liquidity Rule is for the Fund's Board of Directors (the "Fund Board") to receive an annual written report from the Administrator of the LRMP, which addresses the operation of the Fund's LRMP and assesses its adequacy and effectiveness. The Adviser provided the Fund Board with such annual report during the first quarter of 2023, which covered the period January 1, 2022 through December 31, 2022 (the "Program Reporting Period").

The LRMP's principal objectives include supporting the Fund's compliance with limits on investments in illiquid assets and mitigating the risk that the Fund will be unable to meet its redemption obligations in a timely manner.

Pursuant to the LRMP, the Fund classifies the liquidity of its portfolio investments into one of the four categories defined by the SEC: Highly Liquid, Moderately Liquid, Less Liquid, and Illiquid. These classifications are reported to the SEC on Form N-PORT.

During the Program Reporting Period, the Committee reviewed whether the Fund's strategy is appropriate for an open-end structure, incorporating any holdings of less liquid and illiquid assets. If the Fund participated in derivative transactions, the exposure from such transactions were considered in the LRMP.

The Committee also performed an analysis to determine whether the Fund is required to maintain a Highly Liquid Investment Minimum ("HLIM"). The Committee also incorporated the following information when determining the Fund's reasonably anticipated trading size for purposes of liquidity monitoring: historical net redemption activity, a Fund's concentration in an issuer, shareholder concentration, investment performance, total net assets, and distribution channels.

The Adviser informed the Fund Board that the Committee believes the Fund's LRMP is adequately designed, has been implemented as intended,

and has operated effectively since its inception. No material exceptions have been noted since the implementation of the LRMP. During the Program Reporting Period, liquidity in all markets was challenged due to rising rates and economic uncertainty. However, markets also remained orderly during the Program Reporting Period. There were no liquidity events that impacted the Fund or its ability to timely meet redemptions during the Program Reporting Period.

## **Information Regarding the Review and Approval of the Fund's Advisory Agreement**

The disinterested directors (the “directors”) of AB Discovery Growth Fund, Inc. (the “Fund”) unanimously approved the continuance of the Fund's Advisory Agreement with the Adviser at a meeting held in-person on May 2-4, 2023 (the “Meeting”).

Prior to approval of the continuance of the Advisory Agreement, the directors had requested from the Adviser, and received and evaluated, extensive materials. They reviewed the proposed continuance of the Advisory Agreement with the Adviser and with experienced counsel who are independent of the Adviser, who advised on the relevant legal standards. The directors also reviewed additional materials, including comparative analytical data prepared by the Senior Vice President of the Fund. The directors also discussed the proposed continuance in private sessions with counsel.

The directors considered their knowledge of the nature and quality of the services provided by the Adviser to the Fund gained from their experience as directors or trustees of most of the registered investment companies advised by the Adviser, their overall confidence in the Adviser's integrity and competence they have gained from that experience, the Adviser's initiative in identifying and raising potential issues with the directors and its responsiveness, frankness and attention to concerns raised by the directors in the past, including the Adviser's willingness to consider and implement organizational and operational changes designed to improve investment results and the services provided to the AB Funds. The directors noted that they have four regular meetings each year, at each of which they review extensive materials and information from the Adviser, including information on the investment performance of the Fund and the money market fund advised by the Adviser in which the Fund invests a portion of its assets.

The directors also considered all factors they believed relevant, including the specific matters discussed below. During the course of their deliberations, the directors evaluated, among other things, the reasonableness of the advisory fee. The directors did not identify any particular information that was all-important or controlling, and different directors may have attributed different weights to the various factors. The directors determined that the selection of the Adviser to manage the Fund and the overall arrangements between the Fund and the Adviser, as provided in the Advisory Agreement, including the advisory fee, were fair and reasonable in light of the services performed, expenses incurred and such other matters as the directors considered relevant in the exercise of their business

judgment. The material factors and conclusions that formed the basis for the directors' determinations included the following:

### **Nature, Extent and Quality of Services Provided**

The directors considered the scope and quality of services provided by the Adviser under the Advisory Agreement, including the quality of the investment research capabilities of the Adviser and the other resources it has dedicated to performing services for the Fund. The directors noted that the Adviser from time to time reviews the Fund's investment strategies and from time to time proposes changes intended to improve the Fund's relative or absolute performance for the directors' consideration. They also noted the professional experience and qualifications of the Fund's portfolio management team and other senior personnel of the Adviser. The directors also considered that the Advisory Agreement provides that the Fund will reimburse the Adviser for the cost to it of providing certain clerical, accounting, administrative and other services to the Fund by employees of the Adviser or its affiliates. Requests for these reimbursements are made on a quarterly basis and subject to approval by the directors. Reimbursements, to the extent requested and paid, result in a higher rate of total compensation from the Fund to the Adviser than the fee rate stated in the Advisory Agreement. The directors noted that the methodology used to determine the reimbursement amounts had been reviewed by an independent consultant at the request of the directors. The quality of administrative and other services, including the Adviser's role in coordinating the activities of the Fund's other service providers, also was considered. The directors concluded that, overall, they were satisfied with the nature, extent and quality of services provided to the Fund under the Advisory Agreement.

### **Costs of Services Provided and Profitability**

The directors reviewed a schedule of the revenues and expenses and related notes indicating the profitability of the Fund to the Adviser for calendar years 2021 and 2022 that had been prepared with an expense allocation methodology arrived at in consultation with an independent consultant at the request of the directors. The directors noted the assumptions and methods of allocation used by the Adviser in preparing fund-specific profitability data and understood that there are a number of potentially acceptable allocation methodologies for information of this type. The directors noted that the profitability information reflected all revenues and expenses of the Adviser's relationship with the Fund, including those relating to its subsidiaries that provide transfer agency, distribution and brokerage services to the Fund. The directors recognized that it is difficult to make comparisons of the profitability of the Advisory Agreement with the profitability of fund advisory contracts for unaffiliated funds because comparative information is not generally publicly available and is affected by numerous factors. The directors focused on the profitability of the Adviser's relationship with the Fund before taxes and distribution

expenses. The directors concluded that the Adviser's level of profitability from its relationship with the Fund was not unreasonable.

### **Fall-Out Benefits**

The directors considered the other benefits to the Adviser and its affiliates from their relationships with the Fund and the money market fund advised by the Adviser in which the Fund invests, including, but not limited to, benefits relating to soft dollar arrangements (whereby investment advisers receive brokerage and research services from brokers that execute agency transactions for their clients); 12b-1 fees and sales charges received by the Fund's principal underwriter (which is a wholly owned subsidiary of the Adviser) in respect of certain classes of the Fund's shares; brokerage commissions paid by the Fund to brokers affiliated with the Adviser; and transfer agency fees paid by the Fund to a wholly owned subsidiary of the Adviser. The directors recognized that the Adviser's profitability would be somewhat lower without these benefits. The directors understood that the Adviser also might derive reputational and other benefits from its association with the Fund.

### **Investment Results**

In addition to the information reviewed by the directors in connection with the Meeting, the directors receive detailed performance information for the Fund at each regular Board meeting during the year.

At the Meeting, the directors reviewed performance information prepared by an independent service provider (the "15(c) service provider"), showing the performance of the Advisor Class shares of the Fund against a group of similar funds ("peer group") and a larger group of similar funds ("peer universe"), each selected by the 15(c) service provider, and information prepared by the Adviser showing performance of the Advisor Class shares against a broad-based securities market index, in each case for the 1-, 3-, 5- and 10-year periods ended February 28, 2023. Based on their review, the directors concluded that the Fund's investment performance was acceptable.

### **Advisory Fees and Other Expenses**

The directors considered the advisory fee rate payable by the Fund to the Adviser and information prepared by the 15(c) service provider concerning advisory fee rates payable by other funds in the same category as the Fund. The directors recognized that it is difficult to make comparisons of advisory fees because there are variations in the services that are included in the fees paid by other funds. The directors compared the Fund's contractual effective advisory fee rate with a peer group median and took into account the impact on the advisory fee rate of the administrative expense reimbursement paid to the Adviser in the latest fiscal year.

The directors also considered the Adviser's fee schedule for other clients utilizing investment strategies similar to those of the Fund. For this purpose, they reviewed the relevant advisory fee information from the Adviser's Form ADV and in a report from the Fund's Senior Vice President and noted the differences between the Fund's fee schedule, on the one hand, and the Adviser's institutional fee schedule and the schedule of fees charged by the Adviser to any offshore funds and for services to any sub-advised funds utilizing investment strategies similar to those of the Fund, on the other. The directors noted that the Adviser may, in some cases, agree to fee rates with large institutional clients that are lower than those reviewed by the directors and that they had previously discussed with the Adviser its policies in respect of such arrangements.

The Adviser reviewed with the directors the significantly greater scope of the services it provides to the Fund relative to institutional, offshore fund and sub-advised fund clients. In this regard, the Adviser noted, among other things, that, compared to institutional and offshore or sub-advisory accounts, the Fund (i) demands considerably more portfolio management, research and trading resources due to significantly higher daily cash flows; (ii) has more tax and regulatory restrictions and compliance obligations; (iii) must prepare and file or distribute regulatory and other communications about fund operations; and (iv) must provide shareholder servicing to retail investors. The Adviser also reviewed the greater legal risks presented by the large and changing population of Fund shareholders who may assert claims against the Adviser in individual or class actions, and the greater entrepreneurial risk in offering new fund products, which require substantial investment to launch, may not succeed, and generally must be priced to compete with larger, more established funds resulting in lack of profitability to the Adviser until a new fund achieves scale. In light of the substantial differences in services rendered by the Adviser to institutional, offshore fund and sub-advised fund clients as compared to the Fund, and the different risk profile, the directors considered these fee comparisons inapt and did not place significant weight on them in their deliberations.

In connection with their review of the Fund's advisory fee, the directors also considered the total expense ratio of the Advisor Class shares of the Fund in comparison to the medians for a peer group and a peer universe selected by the 15(c) service provider. The Advisor Class expense ratio of the Fund was based on the Fund's latest fiscal year. The directors noted that it was likely that the expense ratios of some of the other funds in the Fund's category were lowered by waivers or reimbursements by those funds' investment advisers, which in some cases might be voluntary or temporary. The directors view expense ratio information as relevant to their evaluation of the Adviser's services because the Adviser is responsible for coordinating services provided to the Fund by others. Based on their review, the directors concluded that the Fund's expense ratio was acceptable.

## **Economies of Scale**

The directors noted that the advisory fee schedule for the Fund contains breakpoints and that the Fund's net assets were higher than the breakpoint levels. Accordingly, the Fund's current effective advisory fee rate reflected a reduction due to the breakpoints and would be further reduced to the extent the net assets of the Fund increase. The directors took into consideration prior presentations by an independent consultant on economies of scale in the mutual fund industry and for the AB Funds, and presentations from time to time by the Adviser concerning certain of its views on economies of scale. The directors also had requested and received from the Adviser certain updates on economies of scale in advance of the Meeting. The directors believe that economies of scale may be realized (if at all) by the Adviser across a variety of products and services, and not only in respect of a single fund. The directors noted that there is no established methodology for setting breakpoints that give effect to the fund-specific services provided by a fund's adviser and to the economies of scale that an adviser may realize in its overall mutual fund business or those components of it which directly or indirectly affect a fund's operations. The directors observed that in the mutual fund industry as a whole, as well as among funds similar to the Fund, there is no uniformity or pattern in the fees and asset levels at which breakpoints (if any) apply. The directors also noted that the advisory agreements for many funds do not have breakpoints at all. Having taken these factors into account, the directors concluded that the Fund's breakpoint arrangements were acceptable and provide a means for sharing of any economies of scale.

## AB FAMILY OF FUNDS

### US EQUITY

#### CORE

Core Opportunities Fund  
Select US Equity Portfolio  
Sustainable US Thematic Portfolio

#### GROWTH

Concentrated Growth Fund  
Discovery Growth Fund  
Growth Fund  
Large Cap Growth Fund  
Small Cap Growth Portfolio

#### VALUE

Discovery Value Fund  
Equity Income Fund  
Relative Value Fund  
Small Cap Value Portfolio  
Value Fund

### INTERNATIONAL/ GLOBAL EQUITY

#### CORE

Global Core Equity Portfolio  
International Low Volatility Equity Portfolio<sup>1</sup>  
Sustainable Global Thematic Fund  
Sustainable International Thematic Fund  
Tax-Managed Wealth Appreciation Strategy  
Wealth Appreciation Strategy

#### GROWTH

Concentrated International Growth Portfolio

#### VALUE

All China Equity Portfolio  
International Value Fund

### FIXED INCOME

#### MUNICIPAL

High Income Municipal Portfolio  
Intermediate California Municipal Portfolio  
Intermediate Diversified Municipal Portfolio  
Intermediate New York Municipal Portfolio  
Municipal Bond Inflation Strategy  
Tax-Aware Fixed Income Opportunities Portfolio  
National Portfolio  
Arizona Portfolio  
California Portfolio  
Massachusetts Portfolio  
Minnesota Portfolio  
New Jersey Portfolio  
New York Portfolio  
Ohio Portfolio  
Pennsylvania Portfolio  
Virginia Portfolio

#### TAXABLE

Bond Inflation Strategy  
Global Bond Fund  
High Income Fund  
Income Fund  
Intermediate Duration Portfolio  
Short Duration High Yield Portfolio<sup>1</sup>  
Short Duration Income Portfolio  
Short Duration Portfolio  
Sustainable Thematic Credit Portfolio  
Total Return Bond Portfolio

### ALTERNATIVES

All Market Real Return Portfolio  
Global Real Estate Investment Fund  
Select US Long/Short Portfolio

### MULTI-ASSET

All Market Total Return Portfolio  
Emerging Markets Multi-Asset Portfolio  
Global Risk Allocation Fund  
Sustainable Thematic Balanced Portfolio

### CLOSED-END FUNDS

AllianceBernstein Global High Income Fund  
AllianceBernstein National Municipal Income Fund

### EXCHANGE-TRADED FUNDS

Disruptors ETF  
High Yield ETF  
Tax-Aware Short Duration Municipal ETF  
Ultra Short Income ETF  
US High Dividend ETF  
US Low Volatility Equity ETF

**We also offer Government Money Market Portfolio, which serves as the money market fund exchange vehicle for the AB mutual funds. You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.**

**Investors should consider the investment objectives, risks, charges and expenses of the Fund carefully before investing. For copies of our prospectus or summary prospectus, which contain this and other information, visit us online at [www.abfunds.com](http://www.abfunds.com) or contact your AB representative. Please read the prospectus and/or summary prospectus carefully before investing.**

<sup>1</sup> Prior to July 5, 2023, International Low Volatility Equity Portfolio was named International Strategic Core Portfolio and Short Duration High Yield Portfolio was named Limited Duration High Income Portfolio.



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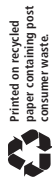
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AB DISCOVERY GROWTH FUND  
1345 Avenue of the Americas  
New York, NY 10105  
800 221 5672

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