

# WILSHIRE ASSOCIATES

## Wilshire Private Markets

## Kentucky Retirement Systems - Insurance Trust Fund

## QUARTERLY REPORT

March 31, 2020

Important

Please note, the ending balances on this report are based on market values as of December 31, 2019, which are adjusted for current quarter capital calls and distributions. Furthermore, the balances do not include potential impacts from COVID-19 pandemic.

#### Confidential

Please note that the enclosed material contains confidential information and, accordingly, may not be used for any purpose other than tracking the performance of your investment(s).



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## PORTFOLIO SUMMARY

PARTNERSHIP LIST									
Partnership	Commitment Date	Vintage Year	Private Markets Sector	Capital Commitments	% of Committe				
JW Childs Equity Partners III, L.P.	Aug 2002	2002	Buyout	\$ 4,000,000	0.449				
Green Equity Investors IV, L.P.	Apr 2003	2003	Buyout	\$ 7,500,000	0.82				
MatlinPatterson Global Opportunities Partners	Sep 2003	2003	Private Credit	\$ 5,000,000	0.55				
VantagePoint Venture Partners IV, L.P.	May 2003	2003	Venture Capital	\$ 4,000,000	0.44				
MatlinPatterson Global Opportunities Partners II	Dec 2003	2004	Private Credit	\$ 5,000,000	0.55				
Columbia Capital Equity Partners IV (QP), L.P.	Dec 2005	2005	Venture Capital	\$ 3,000,000	0.33				
H.I.G. Venture Partners II, L.P.	Oct 2004	2005	Venture Capital	\$ 2,000,000	0.22				
Institutional Venture Partners XI, L.P.	Jan 2005	2005	Growth Equity	\$ 1,500,000	0.16				
Merit Mezzanine Fund IV, L.P.	Jan 2005	2005	Private Credit	\$ 3,000,000	0.33				
New Mountain Partners II, L.P.	Jan 2005	2005	Buyout	\$ 5,000,000	0.55				
Oak Hill Capital Partners II, L.P.	Apr 2005	2005	Buyout	\$ 7,500,000	0.82				
Sun Capital Partners IV, L.P.	Apr 2005	2005	Private Credit	\$ 2,000,000	0.22				
Warburg Pincus Private Equity IX, L.P.	Apr 2005	2005	Buyout	\$ 10,000,000	1.10				
Wayzata Opportunities Fund, L.P.	Oct 2005	2005	Private Credit	\$ 7,500,000	0.82				
Arbor Capital II, L.P.	Mar 2006	2006	Buyout	\$ 2,500,000	0.27				
Blackstone Capital Partners V, L.P.	Jul 2005	2006	Buyout	\$ 12,500,000	1.37				
DAG Ventures II-QP, L.P.	Mar 2006	2006	Venture Capital	\$ 3,000,000	0.33				
Golder Thoma Cressey Rauner IX-A, L.P.	Jun 2006	2006	Buyout	\$ 7,000,000	0.77				
MHR Institutional Partners III LP	Dec 2005	2006	Private Credit	\$ 4,000,000	0.44				
TCV VI, L.P.	Oct 2005	2006	Venture Capital	\$ 2,500,000	0.27				
VantagePoint Venture Partners 2006, L.P.	Jul 2005	2006	Venture Capital	\$ 3,000,000	0.33				
Avenue Special Situations Fund V, L.P.	May 2007	2007	Private Credit	\$ 7,514,322	0.82				
Bay Hills Emerging Partners I, L.P.	Jan 2007	2007	Fund of Funds	\$ 7,500,000	0.82				
DAG Ventures III-QP, L.P.	Apr 2007	2007	Venture Capital	\$ 3,000,000	0.33				
Green Equity Investors V, L.P.	Dec 2006	2007	Buyout	\$ 10,000,000	1.10				
Harvest Partners V, L.P.	Jan 2006	2007	Buyout	\$ 4,000,000	0.44				
Hellman and Friedman Capital Partners VI, L.P.	Jun 2007	2007	Buyout	\$ 7,500,000	0.82				
Institutional Venture Partners XII, L.P.	Apr 2007	2007	Growth Equity	\$ 3,000,000	0.33				
MatlinPatterson Global Opportunities Partners	May 2007	2007	Private Credit	\$ 5,000,000	0.55				

## PARTNERSHIP LIST

Partnership	Commitment Date	Vintage Year	Private Markets Sector	Capital Commitments	% of Committee
New Mountain Partners III, L.P.	May 2007	2007	Buyout	\$ 7,500,000	0.82%
Oak Hill Capital Partners III, L.P.	Oct 2007	2007	Buyout	\$ 12,500,000	1.37%
Warburg Pincus Private Equity X, L.P.	Oct 2007	2007	Buyout	\$ 7,500,000	0.82%
Wayzata Opportunities Fund II, L.P.	Nov 2007	2007	Private Credit	\$ 7,500,000	0.82%
Crestview Partners II, L.P.	Aug 2008	2008	Buyout	\$ 7,500,000	0.82%
DAG Ventures IV-QP, L.P.	Aug 2008	2008	Venture Capital	\$ 10,000,000	1.10%
Essex Woodlands Health Ventures Fund VIII, L.P.	Mar 2008	2008	Growth Equity	\$ 5,000,000	0.55%
Mill Road Capital I, L.P.	Feb 2008	2008	Buyout	\$ 3,000,000	0.33%
OCM Opportunities Fund VII-B, L.P.	Apr 2007	2008	Private Credit	\$ 7,500,000	0.82%
Tenaska Power Fund II, L.P.	Jun 2008	2008	Real Assets	\$ 3,000,000	0.33%
Vista Equity Partners III, L.P.	May 2008	2008	Buyout	\$ 5,000,000	0.55%
Bay Hills Emerging Partners II, L.P.	Jan 2009	2009	Fund of Funds	\$ 10,000,000	1.10%
Horsley Bridge International Fund V, L.P.	Jan 2009	2009	Fund of Funds	\$ 5,000,000	0.55%
Arcano KRS Fund I, L.P.	Jan 2010	2010	Fund of Funds	\$ 4,000,000	0.44%
CM Growth Capital Partners, L.P.	May 2009	2010	Special Situations	\$ 2,600,000	0.28%
DCM VI, L.P.	Sep 2009	2010	Venture Capital	\$ 1,500,000	0.16%
Keyhaven Capital Partners Fund III, L.P.	Nov 2009	2010	Fund of Funds	\$ 3,351,369	0.37%
Blackstone Capital Partners VI, L.P.	Jun 2008	2011	Buyout	\$ 40,000,000	4.38%
DAG Ventures V-QP, L.P.	Aug 2011	2011	Venture Capital	\$ 7,000,000	0.77%
H.I.G. BioVentures II, L.P.	Feb 2011	2011	Venture Capital	\$ 11,500,000	1.26%
Vista Equity Partners IV, L.P.	Aug 2011	2011	Buyout	\$ 23,000,000	2.52%
Green Equity Investors VI, L.P.	Nov 2011	2012	Buyout	\$ 28,000,000	3.07%
Harvest Partners VI, L.P.	May 2012	2012	Buyout	\$ 11,600,000	1.27%
Bay Hills Emerging Partners III, L.P.	Jan 2013	2013	Fund of Funds	\$ 69,100,000	7.57%
H.I.G. Capital Partners V, L.P.	Mar 2013	2013	Buyout	\$ 6,900,000	0.76%
Levine Leichtman Capital Partners V, L.P.	Dec 2013	2013	Buyout	\$ 24,000,000	2.63%
Riverside Capital Appreciation Fund VI, L.P.	Dec 2012	2013	Buyout	\$ 18,712,500	2.05%
Triton Fund IV, L.P.	Apr 2013	2013	Buyout	\$ 15,597,196	1.719
Wayzata Opportunities Fund III, L.P.	Jun 2012	2013	Private Credit	\$ 18,712,500	2.059
CVC European Equity Partners VI, L.P.	Feb 2014	2014	Buyout	\$ 13,895,929	1.52%
New Mountain Partners IV, L.P.	Jan 2014	2014	Buyout	\$ 17,200,000	1.88%

### PARTNERSHIP LIST

Partnership	Commitment Date	Vintage Year	Private Markets Sector	Capital Commitments	% of Committed
Secondary Opportunities Fund III, L.P.	Oct 2014	2014	Fund of Funds	\$ 75,000,000	8.21%
Ares Special Situations Fund IV, L.P.	Feb 2015	2015	Special Situations	\$ 13,808,000	1.51%
BDCM Opportunity Fund IV, L.P.	Feb 2015	2015	Private Credit	\$ 24,420,000	2.67%
Crestview Partners III, L.P.	Jan 2015	2015	Buyout	\$ 21,000,000	2.30%
Harvest Partners VII, L.P.	Jan 2016	2016	Buyout	\$ 20,000,000	2.19%
Kayne Anderson Energy Fund VII, L.P.	Jan 2015	2016	Real Assets	\$ 50,000,000	5.48%
KCP IV Co-Invest L.P.	Jan 2016	2016	Fund of Funds	\$ 9,104,888	1.00%
Keyhaven Capital Partners Fund IV, L.P.	Apr 2016	2016	Fund of Funds	\$ 9,014,807	0.99%
Vista Equity Partners VI, L.P.	Mar 2016	2016	Buyout	\$ 25,000,000	2.74%
Green Equity Investors VII, L.P.	Jan 2016	2017	Buyout	\$ 25,000,000	2.74%
Levine Leichtman Capital Partners VI, L.P.	Jan 2017	2017	Buyout	\$ 37,500,000	4.11%
Strategic Value Special Situations Feeder Fund IV, L.P.	Mar 2018	2017	Private Credit	\$ 21,700,000	2.38%
MiddleGround Partner I, L.P.	May 2019	2019	Buyout	\$ 25,000,000	2.74%
Total Capital Committed				\$ 913,231,512	100.00%

#### Notes:

1. The Vintage Year is the year in which the first cash flow is provided to the partnership, therefore if there is no cash flow the Vintage Year is designated as "No Date".

2. Foreign currency commitments may change between quarters based on foreign currency movements.

Partnership	Vintage Year	Contributions	Distributions	Net Cashflow
JW Childs Equity Partners III, L.P.	2002	\$ 0	\$ 0	\$
Green Equity Investors IV, L.P.	2003	\$ 0	\$ 0	\$
MatlinPatterson Global Opportunities Partners	2003	\$ 0	\$ 0	\$
VantagePoint Venture Partners IV, L.P.	2003	\$ 0	\$ 0	\$
MatlinPatterson Global Opportunities Partners II	2004	\$ 0	\$ 0	\$
Columbia Capital Equity Partners IV (QP), L.P.	2005	\$ 0	\$ 0	\$
H.I.G. Venture Partners II, L.P.	2005	\$ 0	\$ 0	\$
Institutional Venture Partners XI, L.P.	2005	\$ 0	\$ 0	\$
Merit Mezzanine Fund IV, L.P.	2005	\$ 0	\$ 0	\$
New Mountain Partners II, L.P.	2005	\$ 0	\$ 0	\$
Oak Hill Capital Partners II, L.P.	2005	\$ 0	\$ 0	\$
Sun Capital Partners IV, L.P.	2005	\$ 0	\$ 0	\$
Warburg Pincus Private Equity IX, L.P.	2005	\$ 0	\$ 0	\$
Nayzata Opportunities Fund, L.P.	2005	\$ 0	\$ 0	\$
Arbor Capital II, L.P.	2006	\$ 0	\$ 0	\$
Blackstone Capital Partners V, L.P.	2006	(\$ 78)	\$ 78	\$
DAG Ventures II-QP, L.P.	2006	\$ 0	\$ 0	Ş
Golder Thoma Cressey Rauner IX-A, L.P.	2006	\$ 0	\$ 23,514	\$ 23,5
MHR Institutional Partners III LP	2006	\$ 0	\$ 8,979	\$ 8,9
TCV VI, L.P.	2006	\$ 0	\$ 88,584	\$ 88,5
VantagePoint Venture Partners 2006, L.P.	2006	\$ 0	\$ 100,306	\$ 100,3
Avenue Special Situations Fund V, L.P.	2007	\$ 0	\$ 0	\$
Bay Hills Emerging Partners I, L.P.	2007	\$ 0	\$ 0	Ş
DAG Ventures III-QP, L.P.	2007	\$ 0	\$ 0	Ş
Green Equity Investors V, L.P.	2007	\$ 0	\$ 0	Ş
Harvest Partners V, L.P.	2007	\$ 0	\$ 0	\$
Hellman and Friedman Capital Partners VI, L.P.	2007	\$ 0	\$ 0	\$
Institutional Venture Partners XII, L.P.	2007	\$ 0	\$ 0	\$
MatlinPatterson Global Opportunities	2007	\$ 0	\$0	\$

## Wilshire

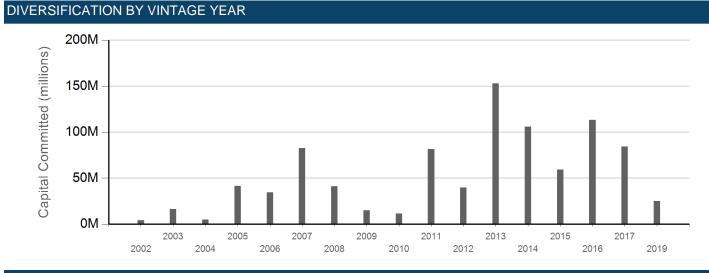
## PORTFOLIO CASH FLOWS FOR THE QUARTER

Partnership	Vintage Year	Contributions	Distributions	Net Cashflow
New Mountain Partners III, L.P.	2007	\$ 0	\$ 0	\$ (
Oak Hill Capital Partners III, L.P.	2007	\$ 0	\$ 0	\$ (
Warburg Pincus Private Equity X, L.P.	2007	\$ 0	\$ 338,263	\$ 338,263
Wayzata Opportunities Fund II, L.P.	2007	\$ 0	\$ 0	\$ (
Crestview Partners II, L.P.	2008	\$ 0	\$ 0	\$ (
DAG Ventures IV-QP, L.P.	2008	\$ 0	\$ 0	\$ (
Essex Woodlands Health Ventures Fund VIII, L.P.	2008	\$ 0	\$ 0	\$ (
Mill Road Capital I, L.P.	2008	\$ 0	\$ 0	\$ (
OCM Opportunities Fund VII-B, L.P.	2008	\$ 0	\$ 0	\$ (
Tenaska Power Fund II, L.P.	2008	\$ 0	\$ 0	\$ (
Vista Equity Partners III, L.P.	2008	(\$ 2,489)	\$ 0	(\$ 2,489
Bay Hills Emerging Partners II, L.P.	2009	(\$ 77,600)	\$ 488,500	\$ 410,900
Horsley Bridge International Fund V, L.P.	2009	(\$ 19,500)	\$ 243,991	\$ 224,49
Arcano KRS Fund I, L.P.	2010	\$ 0	\$ 0	\$ (
CM Growth Capital Partners, L.P.	2010	\$ O	\$ 0	\$ (
DCM VI, L.P.	2010	\$ 0	\$ 0	\$ (
Keyhaven Capital Partners Fund III, L.P.	2010	(\$ 24,890)	\$ 138,873	\$ 113,982
Blackstone Capital Partners VI, L.P.	2011	(\$ 24,354)	\$ 1,167,050	\$ 1,142,690
DAG Ventures V-QP, L.P.	2011	\$ 0	\$ 0	\$ (
H.I.G. BioVentures II, L.P.	2011	(\$ 314,281)	\$ 0	(\$ 314,281
Vista Equity Partners IV, L.P.	2011	(\$ 82,032)	\$ 0	(\$ 82,032
Green Equity Investors VI, L.P.	2012	(\$ 16,754)	\$ 290,420	\$ 273,660
Harvest Partners VI, L.P.	2012	(\$ 529,982)	\$ 0	(\$ 529,982
Bay Hills Emerging Partners III, L.P.	2013	(\$ 1,607,704)	\$ 2,888,380	\$ 1,280,67
H.I.G. Capital Partners V, L.P.	2013	\$ 0	\$ 0	\$ (
Levine Leichtman Capital Partners V, L.P.	2013	(\$ 305,221)	\$ 642,517	\$ 337,29
Riverside Capital Appreciation Fund VI, L.P.	2013	\$ 0	\$ 0	\$ (
Triton Fund IV, L.P.	2013	(\$ 488,975)	\$ 0	(\$ 488,975
Wayzata Opportunities Fund III, L.P.	2013	\$ 0	\$ 182,507	\$ 182,50
CVC European Equity Partners VI, L.P.	2014	\$ 0	\$ 47,845	\$ 47,84
New Mountain Partners IV, L.P.	2014	\$ 0	\$ 73,691	\$ 73,69 <sup>2</sup>

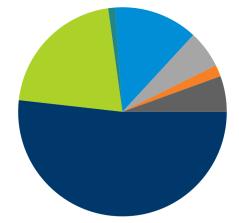
## PORTFOLIO CASH FLOWS FOR THE QUARTER

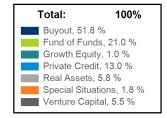
Partnership	Vintage Year	Contributions	Distributions	Net Cashflow
	Vintage Tear	Continuations		
Secondary Opportunities Fund III, L.P.	2014	\$ 0	\$ 0	\$ 0
Ares Special Situations Fund IV, L.P.	2015	\$ O	\$ 0	\$ 0
BDCM Opportunity Fund IV, L.P.	2015	(\$ 945,292)	\$ 336,363	(\$ 608,929)
Crestview Partners III, L.P.	2015	\$ 0	\$ 0	\$ 0
Harvest Partners VII, L.P.	2016	(\$ 2,555,033)	\$ 0	(\$ 2,555,033)
Kayne Anderson Energy Fund VII, L.P.	2016	\$ 0	\$ 0	\$ 0
KCP IV Co-Invest L.P.	2016	\$ 0	\$ 0	\$ 0
Keyhaven Capital Partners Fund IV, L.P.	2016	(\$ 256,888)	\$ 0	(\$ 256,888)
Vista Equity Partners VI, L.P.	2016	(\$ 128,586)	\$ 0	(\$ 128,586)
Green Equity Investors VII, L.P.	2017	(\$ 1,958,139)	\$ 0	(\$ 1,958,139)
Levine Leichtman Capital Partners VI, L.P.	2017	(\$ 328,125)	\$ 71,010	(\$ 257,115)
Strategic Value Special Situations Feeder Fund IV, L.P.	2017	\$ 0	\$ 10,850	\$ 10,850
MiddleGround Partner I, L.P.	2019	(\$ 2,995,332)	\$ 0	(\$ 2,995,332)
Total Cash Flow		(\$ 12,661,255)	\$ 7,141,719	(\$ 5,519,536)

### PORTFOLIO CHARACTERISTICS



### DIVERSIFICATION BY PRIVATE MARKETS SECTOR (as a % of committed)





DIVERSIFICATION BY PARTNERSHIP - TOP 5								
Partnership	Private Markets Sector	Capital Commitments	% of Total Commitments					
Secondary Opportunities Fund III, L.P.	Fund of Funds	\$ 75,000,000	8.21%					
Bay Hills Emerging Partners III, L.P.	Fund of Funds	\$ 69,100,000	7.57%					
Kayne Anderson Energy Fund VII, L.P.	Real Assets	\$ 50,000,000	5.48%					
Blackstone Capital Partners VI, L.P.	Buyout	\$ 40,000,000	4.38%					
Levine Leichtman Capital Partners VI, L.P.	Buyout	\$ 37,500,000	4.11%					
Total Top Five		\$ 271,600,000	29.74%					

Note: The top five partnerships are listed in order by committed capital.



WPMG uses the Standard & Poor's and Morgan Stanley Capital International Global Industry Classification Standard ("GICS") to classify companies in order to analyse portfolio company exposure (based on ownership of portfolio companies). Please note that the company values are one quarter lagged.

		Portfolio Company	Exposure
Economic Sector	Industry Group	Value (in millions)	(% of Total Value)
1. Financials	Banks	\$2.65	0.42%
	Diversified Financials	\$158.54	24.98%
	Insurance	\$6.24	0.98%
	Other	\$0.24	0.04%
Total Financials		\$167.67	26.41%
2. Industrials	Capital Goods	\$42.66	6.72%
	Commercial & Professional Services	\$47.22	7.44%
	Other	\$0.52	0.08%
	Transportation	\$12.12	1.91%
Total Industrials		\$102.51	16.15%
3. Health Care	Health Care Equipment & Services	\$76.14	12.00%
	Other	\$0.06	0.01%
	Pharmaceuticals, Biotechnology & Life Sciences	\$13.49	2.13%
Total Health Care		\$89.69	14.13%
4. Information Technology	Other	\$0.00	0.00%
	Semiconductors & Semiconductor Equipment	\$0.57	0.09%
	Software & Services	\$68.78	10.84%
	Technology Hardware & Equipment	\$6.09	0.96%
Total Information Technology		\$75.45	11.89%
5. Consumer Discretionary	Automobiles & Components	\$7.60	1.20%
	Consumer Durables & Apparel	\$13.95	2.20%
	Consumer Services	\$37.14	5.85%
	Other	\$0.00	0.00%
	Retailing	\$15.34	2.42%
Total Consumer Discretionary		\$74.03	11.66%
6. Energy	Energy	\$49.59	7.81%
Total Energy		\$49.59	7.81%
7. Materials	Materials	\$31.11	4.90%
Total Materials		\$31.11	4.90%
3. Telecommunication Services	Media & Entertainment	\$10.50	1.65%
	Telecommunication Services	\$6.87	1.08%
Total Telecommunication Services		\$17.37	2.74%
9. Consumer Staples	Food & Staples Retailing	\$4.22	0.66%
	Food, Beverage & Tobacco	\$4.65	0.73%
	Household & Personal Products	\$4.44	0.70%
Total Consumer Staples		\$13.31	2.10%
10. Utilities	Utilities	\$8.51	1.34%
Total Utilities		\$8.51	1.34%

#### Kentucky Retirement Systems - Insurance Trust Fund March 31, 2020

## W Wilshire

11. Real Estate	Real Estate	\$1.86	0.29%
Total Real Estate		\$1.86	0.29%
12. Other	Other	\$1.82	0.29%
Total Other		\$1.82	0.29%
13. Miscellaneous	Miscellaneous	\$1.56	0.25%
Total Miscellaneous		\$1.56	0.25%
14. Net Other Assets	Other	\$0.29	0.05%
Total Net Other Assets		\$0.29	0.05%
Total		\$634.74	100.00%

## PERFORMANCE

This section presents the performance of the Fund. Returns have been calculated using the since inception Internal Rate of Return ("IRR") per annum method.

### PERFORMANCE BY VINTAGE YEAR

			P	erformar	nce Ratio	os	Since Inception		Excess/
l∕intage Year	ear Partnership C	Commitment -	PIC	DPI	RVPI	TVPI	IRR pa	Benchmark IRR	(Deficit)
2002	1	\$4,000,000	0.97	1.99	0.00	1.99	15.77%	5.52%	10.25%
2003	3	\$16,500,000	0.94	1.76	0.01	1.78	13.40%	4.81%	8.59%
2004	1	\$5,000,000	1.48	0.56	0.02	0.58	(18.70%)	9.58%	(28.28%)
2005	9	\$41,500,000	1.08	1.61	0.04	1.65	9.40%	3.39%	6.01%
2006	7	\$34,500,000	0.98	1.40	0.09	1.49	7.08%	6.60%	0.47%
2007	12	\$82,514,322	1.03	1.61	0.23	1.84	13.06%	8.52%	4.53%
2008	7	\$41,000,000	0.99	1.21	0.33	1.54	9.72%	10.67%	(0.95%)
2009	2	\$15,000,000	0.94	0.81	1.65	2.46	19.44%	6.29%	13.15%
2010	4	\$11,451,369	0.90	0.47	0.65	1.12	2.01%	8.82%	(6.81%)
2011	4	\$81,500,000	1.03	1.02	0.75	1.77	14.64%	7.89%	6.76%
2012	2	\$39,600,000	1.08	0.94	0.87	1.81	17.49%	6.86%	10.63%
2013	6	\$153,022,196	0.83	0.63	0.79	1.42	12.92%	4.48%	8.44%
2014	3	\$106,095,929	0.89	0.60	0.87	1.47	16.82%	3.35%	13.47%
2015	3	\$59,228,000	0.94	0.31	0.86	1.17	6.75%	2.19%	4.56%
2016	5	\$113,119,695	0.95	0.33	0.83	1.17	8.27%	2.33%	5.94%
2017	3	\$84,200,000	0.58	0.21	0.93	1.15	10.68%	(4.64%)	15.32%
2019	1	\$25,000,000	0.32	0.00	1.02	1.02	5.30%	NM	NM
Гotal	73	\$913,231,512	0.90	0.84	0.66	1.49	11.58%	6.14%	5.44%

### PERFORMANCE BY SECTOR

			Performance Ratios				Since Inception	Benchmark	Excess/
Sector	Partnerships Commitment	Commitment -	PIC	DPI	RVPI	TVPI	IRR pa	IRR pa	(Deficit)
Buyout	33	\$472,905,626	0.95	0.93	0.65	1.58	12.96%	6.16%	6.79%
Fund of Funds	9	\$192,071,064	0.76	0.63	0.94	1.58	16.15%	4.79%	11.36%
Growth Equity	3	\$9,500,000	1.00	1.23	0.30	1.53	9.35%	9.04%	0.31%
Private Credit	13	\$118,846,822	0.90	0.94	0.38	1.32	9.13%	5.50%	3.63%
Real Assets	2	\$53,000,000	0.95	0.43	0.61	1.04	2.09%	5.81%	(3.72%)
Special Situations	2	\$16,408,000	1.01	0.06	0.83	0.89	(3.40%)	3.67%	(7.07%)
Venture Capital	11	\$50,500,000	0.97	0.94	0.59	1.53	7.13%	7.43%	(0.29%)
Total	73	\$913,231,512	0.90	0.84	0.66	1.49	11.58%	6.14%	5.44%

#### **Guide to Performance Ratios**

- Contribution Ratio or PIC (paid-in to commitments) = Contributions / Commitment
- Realization Ratio or DPI (distributions to paid-in) = Distributions / Contributions
- Residual Ratio or RVPI (residual value to paid-in) = Market Value / Contributions
- Investment Ratio or TVPI (total value to paid-in) = (Market Value + Distributions) / Contributions

#### Notes on Performance:

1. Individual partnership and vintage year returns are calculated after all general partner fees, costs and expenses.

2. Returns are not shown when the partnership is marked as Too Early in the Performance vs. Expectations table. (Denoted "NM" - Not Meaningful). 3. Benchmark = Russell 3000

4. The benchmark IRR pa is calculated using the actual cashflows of the respective underlying partnerships invested in the benchmark index, assuming a quarter lag.

5. The Vintage Year is the year in which the first cash flow is provided to the partnership, therefore if there is no cash flow the Vintage Year is designated as "No Date".

6. Please note that the ending capital balance on this report is based on market values that are one quarter lagged and are adjusted for current quarter cpaital calls and distributions. This standard produces market value estimates during the year.

7. Paid-in amounts provided to Wilshire include recallable distributions.

### PERFORMANCE BY PARTNERSHIP - SINCE INCEPTION (BY VINTAGE YEAR)

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
2002						
JW Childs Equity Partners III, L.P.	\$ 4,000,000	\$ 3,897,208	0.97	\$ 7,745,403	1.99	\$ 2,303
Total 2002	\$ 4,000,000	\$ 3,897,208	0.97	\$ 7,745,403	1.99	\$ 2,303
2003						
Green Equity Investors IV, L.P.	\$ 7,500,000	\$ 7,186,947	0.96	\$ 14,550,165	2.02	\$ (
MatlinPatterson Global Opportunities Partners	\$ 5,000,000	\$ 5,202,608	1.04	\$ 9,146,247	1.76	\$ (
VantagePoint Venture Partners IV, L.P.	\$ 4,000,000	\$ 3,040,000	0.76	\$ 3,510,065	1.15	\$ 223,715
Total 2003	\$ 16,500,000	\$ 15,429,555	0.94	\$ 27,206,477	1.76	\$ 223,715
2004						
MatlinPatterson Global Opportunities Partners II	\$ 5,000,000	\$ 7,406,690	1.48	\$ 4,155,762	0.56	\$ 146,895
Total 2004	\$ 5,000,000	\$ 7,406,690	1.48	\$ 4,155,762	0.56	\$ 146,895
2005						
Columbia Capital Equity Partners IV (QP), L.P.	\$ 3,000,000	\$ 2,953,808	0.98	\$ 6,069,269	2.05	\$ 379,453
H.I.G. Venture Partners II, L.P.	\$ 2,000,000	\$ 1,946,667	0.97	\$ 2,139,999	1.10	\$ 641,919
Institutional Venture Partners XI, L.P.	\$ 1,500,000	\$ 1,500,000	1.00	\$ 1,606,062	1.07	\$ (
Merit Mezzanine Fund IV, L.P.	\$ 3,000,000	\$ 2,807,143	0.94	\$ 5,544,742	1.98	\$ 21,79
New Mountain Partners II, L.P.	\$ 5,000,000	\$ 4,624,236	0.92	\$ 8,819,376	1.91	\$ 53,646
Oak Hill Capital Partners II, L.P.	\$ 7,500,000	\$ 7,490,330	1.00	\$ 12,413,044	1.66	\$ 95,129
Sun Capital Partners IV, L.P.	\$ 2,000,000	\$ 2,531,659	1.27	\$ 2,859,018	1.13	\$ 257,770
Warburg Pincus Private Equity IX, L.P.	\$ 10,000,000	\$ 10,000,000	1.00	\$ 16,909,051	1.69	\$ 461,39
Wayzata Opportunities Fund, L.P.	\$ 7,500,000	\$ 11,036,189	1.47	\$ 15,807,579	1.43	\$ (
Total 2005	\$ 41,500,000	\$ 44,890,031	1.08	\$ 72,168,140	1.61	\$ 1,911,109
2006						
Arbor Capital II, L.P.	\$ 2,500,000	\$ 2,101,825	0.84	\$ 5,169,227	2.46	\$ 7,788
Blackstone Capital Partners V, L.P.	\$ 12,500,000	\$ 12,320,078	0.99	\$ 20,628,778	1.67	\$ 566,862
DAG Ventures II-QP, L.P.	\$ 3,000,000	\$ 3,067,243	1.02	\$ 1,227,107	0.40	\$ 309,756
Golder Thoma Cressey Rauner IX-A, L.P.	\$ 7,000,000	\$ 6,665,394	0.95	\$ 12,041,833	1.81	\$ (
MHR Institutional Partners III LP	\$ 4,000,000	\$ 4,164,702	1.04	\$ 4,246,632	1.02	\$ 1,214,546
TCV VI, L.P.	\$ 2,500,000	\$ 2,488,250	1.00	\$ 3,641,409	1.46	\$ 337,726
VantagePoint Venture Partners 2006, L.P.	\$ 3,000,000	\$ 3,000,000	1.00	\$ 425,395	0.14	\$ 704,383
Total 2006	\$ 34,500,000	\$ 33,807,493	0.98	\$ 47,380,382	1.40	\$ 3,141,061
2007						
Avenue Special Situations Fund V, L.P.	\$ 7,514,322	\$ 7,514,641	1.00	\$ 9,945,345	1.32	\$ (
Bay Hills Emerging Partners I, L.P.	\$ 7,500,000	\$ 5,163,953	0.69	\$ 10,775,677	2.09	\$ 911,169
DAG Ventures III-QP, L.P.	\$ 3,000,000	\$ 2,997,844	1.00	\$ 4,792,572	1.60	\$ 346,22

#### Kentucky Retirement Systems - Insurance Trust Fund March 31, 2020

## W Wilshire

## MARKET VALUE

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
Green Equity Investors V, L.P.	\$ 10,000,000	\$ 10,202,994	1.02	\$ 19,838,482	1.94	\$ 3,887,95
Harvest Partners V, L.P.	\$ 4,000,000	\$ 3,685,676	0.92	\$ 6,918,943	1.88	\$ 14,71
Hellman and Friedman Capital Partners VI, L.P.	\$ 7,500,000	\$ 7,302,820	0.97	\$ 11,990,481	1.64	\$ 2,776,98
Institutional Venture Partners XII, L.P.	\$ 3,000,000	\$ 3,000,000	1.00	\$ 7,440,884	2.48	\$ 617,98
MatlinPatterson Global Opportunities Partners III	\$ 5,000,000	\$ 6,216,290	1.24	\$ 6,711,942	1.08	\$ 1,284,65
New Mountain Partners III, L.P.	\$ 7,500,000	\$ 8,486,126	1.13	\$ 10,749,974	1.27	\$ 5,865,93
Oak Hill Capital Partners III, L.P.	\$ 12,500,000	\$ 14,634,581	1.17	\$ 20,955,715	1.43	\$ 1,994,49
Warburg Pincus Private Equity X, L.P.	\$ 7,500,000	\$ 7,441,208	0.99	\$ 10,880,276	1.46	\$ 1,821,25
Wayzata Opportunities Fund II, L.P.	\$ 7,500,000	\$ 8,737,500	1.17	\$ 16,355,748	1.87	\$ 113,78
Total 2007	\$ 82,514,322	\$ 85,383,632	1.03	\$ 137,356,039	1.61	\$ 19,635,15
2008						
Crestview Partners II, L.P.	\$ 7,500,000	\$ 8,406,658	1.12	\$ 10,910,248	1.30	\$ 3,860,25
DAG Ventures IV-QP, L.P.	\$ 10,000,000	\$ 10,000,000	1.00	\$ 5,613,021	0.56	\$ 5,889,94
Essex Woodlands Health Ventures Fund VIII, L.P.	\$ 5,000,000	\$ 5,000,000	1.00	\$ 2,618,125	0.52	\$ 2,229,52
Mill Road Capital I, L.P.	\$ 3,000,000	\$ 2,663,555	0.89	\$ 3,408,166	1.28	\$ 733,22
OCM Opportunities Fund VII-B, L.P.	\$ 7,500,000	\$ 6,750,000	0.90	\$ 11,537,677	1.71	\$ 136,07
Tenaska Power Fund II, L.P.	\$ 3,000,000	\$ 2,629,247	0.88	\$ 2,367,469	0.90	\$ 86,20
Vista Equity Partners III, L.P.	\$ 5,000,000	\$ 5,215,528	1.04	\$ 12,741,723	2.44	\$ 472,56
Total 2008	\$ 41,000,000	\$ 40,664,988	0.99	\$ 49,196,429	1.21	\$ 13,407,78
2009						
Bay Hills Emerging Partners II, L.P.	\$ 10,000,000	\$ 9,013,962	0.90	\$ 8,503,155	0.94	\$ 14,311,30
Horsley Bridge International Fund V, L.P.	\$ 5,000,000	\$ 5,044,815	1.01	\$ 2,874,971	0.57	\$ 8,891,74
Total 2009	\$ 15,000,000	\$ 14,058,777	0.94	\$ 11,378,126	0.81	\$ 23,203,05
2010						
Arcano KRS Fund I, L.P.	\$ 4,000,000	\$ 3,140,000	0.79	\$ 1,884,467	0.60	\$ 2,720,08
CM Growth Capital Partners, L.P.	\$ 2,600,000	\$ 2,596,747	1.00	\$ 59,916	0.02	\$ 899,78
DCM VI, L.P.	\$ 1,500,000	\$ 1,402,500	0.94	\$ 480,000	0.34	\$ 1,221,10
Keyhaven Capital Partners Fund III, L.P.	\$ 3,351,369	\$ 3,176,137	0.95	\$ 2,427,326	0.76	\$ 1,895,71
Total 2010	\$ 11,451,369	\$ 10,315,384	0.90	\$ 4,851,708	0.47	\$ 6,736,68
2011						
Blackstone Capital Partners VI, L.P.	\$ 40,000,000	\$ 42,178,644	1.05	\$ 37,342,443	0.89	\$ 29,013,41
DAG Ventures V-QP, L.P.	\$ 7,000,000	\$ 7,227,500	1.03	\$ 13,145,507	1.82	
H.I.G. BioVentures II, L.P.	\$ 11,500,000	\$ 10,789,404	0.94	\$ 4,976,259	0.46	\$ 12,207,98
Vista Equity Partners IV, L.P.	\$ 23,000,000	\$ 23,538,282	1.02	\$ 29,987,737	1.27	\$ 15,248,89
Total 2011	\$ 81,500,000	\$ 83,733,831	1.03	\$ 85,451,946	1.02	\$ 63,112,21
2012						
Green Equity Investors VI, L.P.	\$ 28,000,000	\$ 30,177,333	1.08	\$ 21,624,287	0.72	\$ 31,546,92

## MARKET VALUE

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
Harvest Partners VI, L.P.	\$ 11,600,000	\$ 12,620,586	1.09	\$ 18,634,039	1.48	\$ 5,859,097
Total 2012	\$ 39,600,000	\$ 42,797,919	1.08	\$ 40,258,326	0.94	\$ 37,406,020
2013						
Bay Hills Emerging Partners III, L.P.	\$ 69,100,000	\$ 46,753,857	0.68	\$ 25,313,103	0.54	\$ 47,651,253
H.I.G. Capital Partners V, L.P.	\$ 6,900,000	\$ 5,539,153	0.80	\$ 1,816,204	0.33	\$ 7,620,196
Levine Leichtman Capital Partners V, L.P.	\$ 24,000,000	\$ 31,103,977	1.30	\$ 21,384,471	0.69	\$ 21,969,534
Riverside Capital Appreciation Fund VI, L.P.	\$ 18,712,500	\$ 18,656,267	1.00	\$ 15,052,893	0.81	\$ 11,589,563
Triton Fund IV, L.P.	\$ 15,597,196	\$ 15,936,741	1.02	\$ 11,568,972	0.73	\$ 7,954,803
Wayzata Opportunities Fund III, L.P.	\$ 18,712,500	\$ 9,163,277	0.49	\$ 5,502,334	0.60	\$ 3,090,919
Total 2013	\$ 153,022,196	\$ 127,153,273	0.83	\$ 80,637,977	0.63	\$ 99,876,268
2014						
CVC European Equity Partners VI, L.P.	\$ 13,895,929	\$ 15,367,172	1.11	\$ 8,121,453	0.53	\$ 14,268,878
New Mountain Partners IV, L.P.	\$ 17,200,000	\$ 15,401,198	0.90	\$ 15,084,634	0.98	\$ 13,200,222
Secondary Opportunities Fund III, L.P.	\$ 75,000,000	\$ 63,351,283	0.84	\$ 33,490,298	0.53	\$ 54,352,447
Total 2014	\$ 106,095,929	\$ 94,119,653	0.89	\$ 56,696,384	0.60	\$ 81,821,547
2015						
Ares Special Situations Fund IV, L.P.	\$ 13,808,000	\$ 14,045,265	1.02	\$ 902,249	0.06	\$ 12,875,036
BDCM Opportunity Fund IV, L.P.	\$ 24,420,000	\$ 27,290,012	1.12	\$ 7,787,029	0.29	\$ 25,005,38
Crestview Partners III, L.P.	\$ 21,000,000	\$ 14,564,144	0.69	\$ 8,630,700	0.59	\$ 10,345,047
Total 2015	\$ 59,228,000	\$ 55,899,421	0.94	\$ 17,319,978	0.31	\$ 48,225,458
2016						
Harvest Partners VII, L.P.	\$ 20,000,000	\$ 20,722,043	1.04	\$ 1,100,233	0.05	\$ 21,642,875
Kayne Anderson Energy Fund VII, L.P.	\$ 50,000,000	\$ 47,763,546	0.96	\$ 19,321,242	0.40	\$ 30,817,676
KCP IV Co-Invest L.P.	\$ 9,104,888	\$ 4,547,350	0.50	\$ 1,610,920	0.35	\$ 3,425,66
Keyhaven Capital Partners Fund IV, L.P.	\$ 9,014,807	\$ 5,163,214	0.57	\$ 5,076,742	0.98	\$ 3,087,43
Vista Equity Partners VI, L.P.	\$ 25,000,000	\$ 29,661,923	1.19	\$ 8,871,416	0.30	\$ 30,953,806
Total 2016	\$ 113,119,695	\$ 107,858,076	0.95	\$ 35,980,552	0.33	\$ 89,927,449
2017						
Green Equity Investors VII, L.P.	\$ 25,000,000	\$ 19,461,498	0.78	\$ 349,455	0.02	\$ 22,981,298
Levine Leichtman Capital Partners VI, L.P.	\$ 37,500,000	\$ 21,713,802	0.58	\$ 10,022,661	0.46	\$ 13,356,439
Strategic Value Special Situations Feeder Fund IV, L.P.	\$ 21,700,000	\$ 7,595,000	0.35	\$ 104,683	0.01	\$ 9,223,138
Total 2017	\$ 84,200,000	\$ 48,770,300	0.58	\$ 10,476,799	0.21	\$ 45,560,875
2019						
MiddleGround Partner I, L.P.	\$ 25,000,000	\$ 7,994,379	0.32	\$ 0	0.00	\$ 8,172,453
Total 2019	\$ 25,000,000	\$ 7,994,379	0.32	\$ O	0.00	\$ 8,172,453
Total		\$ 824,180,610		\$ 688,260,429		\$ 542,510,041



		Returns S	Since Inception		Pe	formance vs	. Expectation	ons
Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
2002								
JW Childs Equity Partners III, L.P.	0.00	1.99	15.77%	5.52%				Х
Total 2002 Vintage Year Funds	0.00	1.99	15.77%	5.52%	0.0%	0.0%	0.0%	0.4%
2003								
Green Equity Investors IV, L.P.	0.00	2.02	10.98%	3.90%				Х
MatlinPatterson Global Opportunities Partners	0.00	1.76	29.80%	8.18%				Х
VantagePoint Venture Partners IV, L.P.	0.07	1.23	3.52%	4.61%		Х		
Total 2003 Vintage Year Funds	0.01	1.78	13.40%	4.81%	0.0%	0.4%	0.0%	1.4%
2004								
MatlinPatterson Global Opportunities Partners II	0.02	0.58	(18.70%)	9.58%		Х		
Total 2004 Vintage Year Funds	0.02	0.58	(18.70%)	9.58%	0.0%	0.5%	0.0%	0.0%
2005								
Columbia Capital Equity Partners IV (QP), L.P.	0.13	2.18	11.69%	5.05%				X
H.I.G. Venture Partners II, L.P.	0.33	1.43	4.93%	6.28%		Х		
Institutional Venture Partners XI, L.P.	0.00	1.07	1.16%	3.91%		Х		
Merit Mezzanine Fund IV, L.P.	0.01	1.98	11.52%	5.10%				X
New Mountain Partners II, L.P.	0.01	1.92	13.61%	2.47%				X
Oak Hill Capital Partners II, L.P.	0.01	1.67	9.80%	3.05%				Х
Sun Capital Partners IV, L.P.	0.10	1.23	3.74%	4.84%		X		
Warburg Pincus Private Equity IX, L.P.	0.05	1.74	9.72%	2.71%				X
Wayzata Opportunities Fund, L.P.	0.00	1.43	8.42%	2.42%				Х
Total 2005 Vintage Year Funds	0.04	1.65	9.40%	3.39%	0.0%	0.6%	0.0%	3.9%
2006								
Arbor Capital II, L.P.	0.00	2.46	19.44%	8.15%				Х
Blackstone Capital Partners V, L.P.	0.05	1.72	8.11%	6.07%			X	
DAG Ventures II-QP, L.P.	0.10	0.50	(7.72%)	4.85%		X		
Golder Thoma Cressey Rauner IX-A, L.P.	0.00	1.81	13.77%	9.87%			X	
MHR Institutional Partners III LP	0.29	1.31	4.99%	5.99%		х		
TCV VI, L.P.	0.14	1.60	12.65%	3.50%				X
VantagePoint Venture Partners 2006, L.P.	0.23	0.38	(11.50%)	7.30%		X		
Total 2006 Vintage Year Funds	0.09	1.49	7.08%	6.60%	0.0%	1.1%	2.1%	0.5%
2007								
Avenue Special Situations Fund V, L.P.	0.00	1.32	11.10%	5.26%				X
Bay Hills Emerging Partners I, L.P.	0.18	2.26	14.54%	10.73%			×	
DAG Ventures III-QP, L.P.	0.10	1.71	9.36%	6.49%			X	



### RETURNS AND PERFORMANCE

		Returns S	ince Inceptio		Performance vs. Expectations			
Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
Green Equity Investors V, L.P.	0.38	2.33	18.36%	9.67%				Х
Harvest Partners V, L.P.	0.00	1.88	17.80%	11.11%				Х
Hellman and Friedman Capital Partners VI, L.P.	0.38	2.02	13.49%	5.43%				Х
Institutional Venture Partners XII, L.P.	0.21	2.69	25.90%	9.51%				Х
MatlinPatterson Global Opportunities Partners III	0.21	1.29	5.00%	7.65%		Х		
New Mountain Partners III, L.P.	0.69	1.96	12.94%	8.93%			Х	
Oak Hill Capital Partners III, L.P.	0.14	1.57	9.41%	8.78%			Х	
Warburg Pincus Private Equity X, L.P.	0.24	1.71	9.00%	9.72%		Х		
Wayzata Opportunities Fund II, L.P.	0.01	1.88	16.49%	8.97%				Х
Total 2007 Vintage Year Funds	0.23	1.84	13.06%	8.52%	0.0%	1.4%	3.3%	4.3%
2008				1				
Crestview Partners II, L.P.	0.46	1.76	13.22%	10.74%			Х	
DAG Ventures IV-QP, L.P.	0.59	1.15	1.85%	11.09%		Х		
Essex Woodlands Health Ventures Fund VIII, L.P.	0.45	0.97	(0.55%)	11.85%		Х		
Mill Road Capital I, L.P.	0.28	1.55	8.40%	10.75%		Х		
OCM Opportunities Fund VII-B, L.P.	0.02	1.73	16.52%	10.91%		Х		
Tenaska Power Fund II, L.P.	0.03	0.93	(1.61%)	12.38%		Х		
Vista Equity Partners III, L.P.	0.09	2.53	28.53%	8.23%				X
Total 2008 Vintage Year Funds	0.33	1.54	9.72%	10.67%	0.0%	3.1%	0.8%	0.5%
2009				1				
Bay Hills Emerging Partners II, L.P.	1.59	2.53	20.62%	6.52%				X
Horsley Bridge International Fund V, L.P.	1.76	2.33	17.37%	5.71%				Х
Total 2009 Vintage Year Funds	1.65	2.46	19.44%	6.29%	0.0%	0.0%	0.0%	1.6%
2010				1				
Arcano KRS Fund I, L.P.	0.87	1.47	7.06%	8.38%			Х	
CM Growth Capital Partners, L.P.	0.35	0.37	(10.71%)	7.46%		Х		
DCM VI, L.P.	0.87	1.21	3.00%	8.68%		Х		
Keyhaven Capital Partners Fund III, L.P.	0.60	1.36	8.30%	7.70%			Х	
Total 2010 Vintage Year Funds	0.65	1.12	2.01%	8.82%	0.0%	0.4%	0.8%	0.0%
2011				1				
Blackstone Capital Partners VI, L.P.	0.69	1.57	11.67%	7.46%			Х	
DAG Ventures V-QP, L.P.	0.92	2.74	20.72%	8.78%				Х
H.I.G. BioVentures II, L.P.	1.13	1.59	14.90%	4.34%			Х	
Vista Equity Partners IV, L.P.	0.65	1.92	16.12%	9.06%				Х
Total 2011 Vintage Year Funds	0.75	1.77	14.64%	7.89%	0.0%	0.0%	5.6%	3.3%



		Returns S	ince Inceptio		Pe	rformance vs	. Expectatio	ons
- Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
2012				1				
Green Equity Investors VI, L.P.	1.05	1.76	15.55%	6.00%				Х
Harvest Partners VI, L.P.	0.46	1.94	21.92%	9.32%				Х
Fotal 2012 Vintage Year Funds	0.87	1.81	17.49%	6.86%	0.0%	0.0%	0.0%	4.3%
2013				1				
Bay Hills Emerging Partners III, L.P.	1.02	1.56	18.13%	2.33%				Х
H.I.G. Capital Partners V, L.P.	1.38	1.70	22.82%	0.46%				Х
evine Leichtman Capital Partners V, L.P.	0.71	1.39	12.16%	5.26%			Х	
Riverside Capital Appreciation Fund VI, L.P.	0.62	1.43	11.92%	5.66%			Х	
Friton Fund IV, L.P.	0.50	1.23	7.87%	5.30%			Х	
Nayzata Opportunities Fund III, L.P.	0.34	0.94	(2.00%)	7.43%		Х		
Fotal 2013 Vintage Year Funds	0.79	1.42	12.92%	4.48%	0.0%	2.0%	6.4%	8.3%
2014								
CVC European Equity Partners VI, L.P.	0.93	1.46	15.31%	3.04%			Х	
New Mountain Partners IV, L.P.	0.86	1.84	22.09%	4.44%				X
Secondary Opportunities Fund III, L.P.	0.86	1.39	15.25%	3.03%				X
Fotal 2014 Vintage Year Funds	0.87	1.47	16.82%	3.35%	0.0%	0.0%	1.5%	10.19
2015				1				
Ares Special Situations Fund IV, L.P.	0.92	0.98	(0.72%)	0.38%		X		
BDCM Opportunity Fund IV, L.P.	0.92	1.20	8.57%	1.85%			Х	
Crestview Partners III, L.P.	0.71	1.30	10.64%	4.34%			Х	
Fotal 2015 Vintage Year Funds	0.86	1.17	6.75%	2.19%	0.0%	1.5%	5.0%	0.0%
2016								
Harvest Partners VII, L.P.	1.04	1.10	6.08%	(1.96%)			Х	
Kayne Anderson Energy Fund VII, L.P.	0.65	1.05	2.58%	4.05%				X
(CP IV Co-Invest L.P.	0.75	1.11	4.09%	4.00%			X	
Keyhaven Capital Partners Fund IV, L.P.	0.60	1.58	25.16%	4.52%				X
/ista Equity Partners VI, L.P.	1.04	1.34	14.79%	1.45%			Х	
otal 2016 Vintage Year Funds	0.83	1.17	8.27%	2.33%	0.0%	0.0%	5.9%	6.5%
017				1				
Green Equity Investors VII, L.P.	1.18	1.20	11.56%	(4.83%)			X	
evine Leichtman Capital Partners VI, L.P.	0.62	1.08	6.84%	(3.22%)			X	
Strategic Value Special Situations Feeder Fund IV,	1.21	1.23	17.30%	(7.75%)			Х	
P. Fotal 2017 Vintage Year Funds	0.93	1.15	10.68%	(4.64%)	0.0%	0.0%	9.2%	0.0%
rotar zorn vintage rear runus	0.00	1.15	10.00 %	(+.0470)	0.070	0.070	5.270	0.0



RETURNS AND PERFORMANCE								·
	Returns Since Inception				Performance vs. Expectations			
Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
2019					1			
MiddleGround Partner I, L.P.	1.02	1.02	5.30%	NM	r ·		Х	
Total 2019 Vintage Year Funds	1.02	1.02	5.30%	NM	0.0%	0.0%	2.7%	0.0%
Total	0.66	1.49	11.58%	6.14%	0.0%	11.2%	43.5%	45.3%

### PERFORMANCE BY PARTNERSHIP - SINCE INCEPTION (BY SECTOR)

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
Buyout						
Arbor Capital II, L.P.	\$ 2,500,000	\$ 2,101,825	0.84	\$ 5,169,227	2.46	\$ 7,78
Blackstone Capital Partners V, L.P.	\$ 12,500,000	\$ 12,320,078	0.99	\$ 20,628,778	1.67	\$ 566,86
Blackstone Capital Partners VI, L.P.	\$ 40,000,000	\$ 42,178,644	1.05	\$ 37,342,443	0.89	\$ 29,013,41
Crestview Partners II, L.P.	\$ 7,500,000	\$ 8,406,658	1.12	\$ 10,910,248	1.30	\$ 3,860,25
Crestview Partners III, L.P.	\$ 21,000,000	\$ 14,564,144	0.69	\$ 8,630,700	0.59	\$ 10,345,04
CVC European Equity Partners VI, L.P.	\$ 13,895,929	\$ 15,367,172	1.11	\$ 8,121,453	0.53	\$ 14,268,87
Golder Thoma Cressey Rauner IX-A, L.P.	\$ 7,000,000	\$ 6,665,394	0.95	\$ 12,041,833	1.81	\$
Green Equity Investors IV, L.P.	\$ 7,500,000	\$ 7,186,947	0.96	\$ 14,550,165	2.02	\$
Green Equity Investors V, L.P.	\$ 10,000,000	\$ 10,202,994	1.02	\$ 19,838,482	1.94	\$ 3,887,95
Green Equity Investors VI, L.P.	\$ 28,000,000	\$ 30,177,333	1.08	\$ 21,624,287	0.72	\$ 31,546,92
Green Equity Investors VII, L.P.	\$ 25,000,000	\$ 19,461,498	0.78	\$ 349,455	0.02	\$ 22,981,29
H.I.G. Capital Partners V, L.P.	\$ 6,900,000	\$ 5,539,153	0.80	\$ 1,816,204	0.33	\$ 7,620,19
Harvest Partners V, L.P.	\$ 4,000,000	\$ 3,685,676	0.92	\$ 6,918,943	1.88	\$ 14,71
Harvest Partners VI, L.P.	\$ 11,600,000	\$ 12,620,586	1.09	\$ 18,634,039	1.48	\$ 5,859,09
Harvest Partners VII, L.P.	\$ 20,000,000	\$ 20,722,043	1.04	\$ 1,100,233	0.05	\$ 21,642,87
Hellman and Friedman Capital Partners VI, L.P.	\$ 7,500,000	\$ 7,302,820	0.97	\$ 11,990,481	1.64	\$ 2,776,98
JW Childs Equity Partners III, L.P.	\$ 4,000,000	\$ 3,897,208	0.97	\$ 7,745,403	1.99	\$ 2,30
Levine Leichtman Capital Partners V, L.P.	\$ 24,000,000	\$ 31,103,977	1.30	\$ 21,384,471	0.69	\$ 21,969,53
Levine Leichtman Capital Partners VI, L.P.	\$ 37,500,000	\$ 21,713,802	0.58	\$ 10,022,661	0.46	\$ 13,356,43
MiddleGround Partner I, L.P.	\$ 25,000,000	\$ 7,994,379	0.32	\$ 0	0.00	\$ 8,172,45
Mill Road Capital I, L.P.	\$ 3,000,000	\$ 2,663,555	0.89	\$ 3,408,166	1.28	\$ 733,22
New Mountain Partners II, L.P.	\$ 5,000,000	\$ 4,624,236	0.92	\$ 8,819,376	1.91	\$ 53,64
New Mountain Partners III, L.P.	\$ 7,500,000	\$ 8,486,126	1.13	\$ 10,749,974	1.27	\$ 5,865,93
New Mountain Partners IV, L.P.	\$ 17,200,000	\$ 15,401,198	0.90	\$ 15,084,634	0.98	\$ 13,200,22
Oak Hill Capital Partners II, L.P.	\$ 7,500,000	\$ 7,490,330	1.00	\$ 12,413,044	1.66	\$ 95,12
Oak Hill Capital Partners III, L.P.	\$ 12,500,000	\$ 14,634,581	1.17	\$ 20,955,715	1.43	\$ 1,994,49
Riverside Capital Appreciation Fund VI, L.P.	\$ 18,712,500	\$ 18,656,267	1.00	\$ 15,052,893	0.81	\$ 11,589,56
Triton Fund IV, L.P.	\$ 15,597,196	\$ 15,936,741	1.02	\$ 11,568,972	0.73	\$ 7,954,80
Vista Equity Partners III, L.P.	\$ 5,000,000	\$ 5,215,528	1.04	\$ 12,741,723	2.44	\$ 472,56
Vista Equity Partners IV, L.P.	\$ 23,000,000	\$ 23,538,282	1.02	\$ 29,987,737	1.27	\$ 15,248,89
Vista Equity Partners VI, L.P.	\$ 25,000,000	\$ 29,661,923	1.19	\$ 8,871,416	0.30	\$ 30,953,80
Warburg Pincus Private Equity IX, L.P.	\$ 10,000,000	\$ 10,000,000	1.00	\$ 16,909,051	1.69	\$ 461,39
Warburg Pincus Private Equity X, L.P.	\$ 7,500,000	\$ 7,441,208	0.99	\$ 10,880,276	1.46	\$ 1,821,25
Total Buyout	\$ 472,905,626	\$ 446,962,307	0.95	\$ 416,262,483	0.93	\$ 288,337,93
Fund of Funds						
Arcano KRS Fund I, L.P.	\$ 4,000,000	\$ 3,140,000	0.79	\$ 1,884,467	0.60	\$ 2,720,08

## MARKET VALUE

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
Bay Hills Emerging Partners I, L.P.	\$ 7,500,000	\$ 5,163,953	0.69	\$ 10,775,677	2.09	\$ 911,169
Bay Hills Emerging Partners II, L.P.	\$ 10,000,000	\$ 9,013,962	0.90	\$ 8,503,155	0.94	\$ 14,311,304
Bay Hills Emerging Partners III, L.P.	\$ 69,100,000	\$ 46,753,857	0.68	\$ 25,313,103	0.54	\$ 47,651,253
Horsley Bridge International Fund V, L.P.	\$ 5,000,000	\$ 5,044,815	1.01	\$ 2,874,971	0.57	\$ 8,891,747
KCP IV Co-Invest L.P.	\$ 9,104,888	\$ 4,547,350	0.50	\$ 1,610,920	0.35	\$ 3,425,661
Keyhaven Capital Partners Fund III, L.P.	\$ 3,351,369	\$ 3,176,137	0.95	\$ 2,427,326	0.76	\$ 1,895,714
Keyhaven Capital Partners Fund IV, L.P.	\$ 9,014,807	\$ 5,163,214	0.57	\$ 5,076,742	0.98	\$ 3,087,431
Secondary Opportunities Fund III, L.P.	\$ 75,000,000	\$ 63,351,283	0.84	\$ 33,490,298	0.53	\$ 54,352,447
Total Fund of Funds	\$ 192,071,064	\$ 145,354,572	0.76	\$ 91,956,657	0.63	\$ 137,246,807
Growth Equity						
Essex Woodlands Health Ventures Fund VIII, L.P.	\$ 5,000,000	\$ 5,000,000	1.00	\$ 2,618,125	0.52	\$ 2,229,520
Institutional Venture Partners XI, L.P.	\$ 1,500,000	\$ 1,500,000	1.00	\$ 1,606,062	1.07	\$ 0
Institutional Venture Partners XII, L.P.	\$ 3,000,000	\$ 3,000,000	1.00	\$ 7,440,884	2.48	\$ 617,984
Total Growth Equity	\$ 9,500,000	\$ 9,500,000	1.00	\$ 11,665,071	1.23	\$ 2,847,504
Private Credit						
Avenue Special Situations Fund V, L.P.	\$ 7,514,322	\$ 7,514,641	1.00	\$ 9,945,345	1.32	\$ C
BDCM Opportunity Fund IV, L.P.	\$ 24,420,000	\$ 27,290,012	1.12	\$ 7,787,029	0.29	\$ 25,005,381
MatlinPatterson Global Opportunities Partners	\$ 5,000,000	\$ 5,202,608	1.04	\$ 9,146,247	1.76	\$ (
MatlinPatterson Global Opportunities Partners II	\$ 5,000,000	\$ 7,406,690	1.48	\$ 4,155,762	0.56	\$ 146,895
MatlinPatterson Global Opportunities Partners III	\$ 5,000,000	\$ 6,216,290	1.24	\$ 6,711,942	1.08	\$ 1,284,651
Merit Mezzanine Fund IV, L.P.	\$ 3,000,000	\$ 2,807,143	0.94	\$ 5,544,742	1.98	\$ 21,795
MHR Institutional Partners III LP	\$ 4,000,000	\$ 4,164,702	1.04	\$ 4,246,632	1.02	\$ 1,214,546
OCM Opportunities Fund VII-B, L.P.	\$ 7,500,000	\$ 6,750,000	0.90	\$ 11,537,677	1.71	\$ 136,072
Strategic Value Special Situations Feeder Fund IV, L.P.	\$ 21,700,000	\$ 7,595,000	0.35	\$ 104,683	0.01	\$ 9,223,138
Sun Capital Partners IV, L.P.	\$ 2,000,000	\$ 2,531,659	1.27	\$ 2,859,018	1.13	\$ 257,770
Wayzata Opportunities Fund II, L.P.	\$ 7,500,000	\$ 8,737,500	1.17	\$ 16,355,748	1.87	\$ 113,786
Wayzata Opportunities Fund III, L.P.	\$ 18,712,500	\$ 9,163,277	0.49	\$ 5,502,334	0.60	\$ 3,090,919
Wayzata Opportunities Fund, L.P.	\$ 7,500,000	\$ 11,036,189	1.47	\$ 15,807,579	1.43	\$ C
Total Private Credit	\$ 118,846,822	\$ 106,415,711	0.90	\$ 99,704,738	0.94	\$ 40,494,953
Real Assets						
Kayne Anderson Energy Fund VII, L.P.	\$ 50,000,000	\$ 47,763,546	0.96	\$ 19,321,242	0.40	\$ 30,817,676
Tenaska Power Fund II, L.P.	\$ 3,000,000	\$ 2,629,247	0.88	\$ 2,367,469	0.90	\$ 86,206
Total Real Assets	\$ 53,000,000	\$ 50,392,793	0.95	\$ 21,688,711	0.43	\$ 30,903,882
Special Situations						
Ares Special Situations Fund IV, L.P.	\$ 13,808,000	\$ 14,045,265	1.02	\$ 902,249	0.06	\$ 12,875,036
CM Growth Capital Partners, L.P.	\$ 2,600,000	\$ 2,596,747	1.00	\$ 59,916	0.02	\$ 899,788
Total Special Situations	\$ 16,408,000	\$ 16,642,011	1.01	\$ 962,165	0.06	\$ 13,774,824

## MARKET VALUE

Fund	Commitment	Contributions	PIC	Distributions	DPI	Market Value
Venture Capital						
Columbia Capital Equity Partners IV (QP), L.P.	\$ 3,000,000	\$ 2,953,808	0.98	\$ 6,069,269	2.05	\$ 379,453
DAG Ventures III-QP, L.P.	\$ 3,000,000	\$ 2,997,844	1.00	\$ 4,792,572	1.60	\$ 346,227
DAG Ventures II-QP, L.P.	\$ 3,000,000	\$ 3,067,243	1.02	\$ 1,227,107	0.40	\$ 309,756
DAG Ventures IV-QP, L.P.	\$ 10,000,000	\$ 10,000,000	1.00	\$ 5,613,021	0.56	\$ 5,889,946
DAG Ventures V-QP, L.P.	\$ 7,000,000	\$ 7,227,500	1.03	\$ 13,145,507	1.82	\$ 6,641,923
DCM VI, L.P.	\$ 1,500,000	\$ 1,402,500	0.94	\$ 480,000	0.34	\$ 1,221,102
H.I.G. BioVentures II, L.P.	\$ 11,500,000	\$ 10,789,404	0.94	\$ 4,976,259	0.46	\$ 12,207,983
H.I.G. Venture Partners II, L.P.	\$ 2,000,000	\$ 1,946,667	0.97	\$ 2,139,999	1.10	\$ 641,919
TCV VI, L.P.	\$ 2,500,000	\$ 2,488,250	1.00	\$ 3,641,409	1.46	\$ 337,726
VantagePoint Venture Partners 2006, L.P.	\$ 3,000,000	\$ 3,000,000	1.00	\$ 425,395	0.14	\$ 704,383
VantagePoint Venture Partners IV, L.P.	\$ 4,000,000	\$ 3,040,000	0.76	\$ 3,510,065	1.15	\$ 223,715
Total Venture Capital	\$ 50,500,000	\$ 48,913,216	0.97	\$ 46,020,605	0.94	\$ 28,904,134
Total	\$ 913,231,512	\$ 824,180,610	0.90	\$ 688,260,429	0.84	\$ 542,510,041



## PERFORMANCE BY PARTNERSHIP - SINCE INCEPTION (BY SECTOR)

		Returns S	ince Inceptio		Per	formance vs	. Expectatio	tions	
Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above	
Buyout									
Arbor Capital II, L.P.	0.00	2.46	19.44%	8.15%				Х	
Blackstone Capital Partners V, L.P.	0.05	1.72	8.11%	6.07%			Х		
Blackstone Capital Partners VI, L.P.	0.69	1.57	11.67%	7.46%			Х		
Crestview Partners II, L.P.	0.46	1.76	13.22%	10.74%			Х		
Crestview Partners III, L.P.	0.71	1.30	10.64%	4.34%			Х		
CVC European Equity Partners VI, L.P.	0.93	1.46	15.31%	3.04%			Х		
Golder Thoma Cressey Rauner IX-A, L.P.	0.00	1.81	13.77%	9.87%			Х		
Green Equity Investors IV, L.P.	0.00	2.02	10.98%	3.90%				Х	
Green Equity Investors V, L.P.	0.38	2.33	18.36%	9.67%				X	
Green Equity Investors VI, L.P.	1.05	1.76	15.55%	6.00%				X	
Green Equity Investors VII, L.P.	1.18	1.20	11.56%	(4.83%)			Х		
H.I.G. Capital Partners V, L.P.	1.38	1.70	22.82%	0.46%				X	
Harvest Partners V, L.P.	0.00	1.88	17.80%	11.11%				Х	
Harvest Partners VI, L.P.	0.46	1.94	21.92%	9.32%				X	
Harvest Partners VII, L.P.	1.04	1.10	6.08%	(1.96%)			X		
Hellman and Friedman Capital Partners VI, L.P.	0.38	2.02	13.49%	5.43%				X	
JW Childs Equity Partners III, L.P.	0.00	1.99	15.77%	5.52%				X	
Levine Leichtman Capital Partners V, L.P.	0.71	1.39	12.16%	5.26%			X		
Levine Leichtman Capital Partners VI, L.P.	0.62	1.08	6.84%	(3.22%)			X		
MiddleGround Partner I, L.P.	1.02	1.02	5.30%	NM			X		
Mill Road Capital I, L.P.	0.28	1.55	8.40%	10.75%		X			
New Mountain Partners II, L.P.	0.01	1.92	13.61%	2.47%				Χ	
New Mountain Partners III, L.P.	0.69	1.96	12.94%	8.93%			X		
New Mountain Partners IV, L.P.	0.86	1.84	22.09%	4.44%				Χ	
Oak Hill Capital Partners II, L.P.	0.01	1.67	9.80%	3.05%				X	
Oak Hill Capital Partners III, L.P.	0.14	1.57	9.41%	8.78%			X		
Riverside Capital Appreciation Fund VI, L.P.	0.62	1.43	11.92%	5.66%			X		
Triton Fund IV, L.P.	0.50	1.23	7.87%	5.30%			X		
Vista Equity Partners III, L.P.	0.09	2.53	28.53%	8.23%				X	
Vista Equity Partners IV, L.P.	0.65	1.92	16.12%	9.06%				X	
Vista Equity Partners VI, L.P.	1.04	1.34	14.79%	1.45%			Х		
Warburg Pincus Private Equity IX, L.P.	0.05	1.74	9.72%	2.71%					
Warburg Pincus Private Equity X, L.P.	0.24	1.71	9.00%	9.72%		X			
Total Buyout	0.65	1.58	12.96%	6.16%	0.0%	1.1%	34.2%	16.4%	



### PERFORMANCE BY PARTNERSHIP - SINCE INCEPTION (BY SECTOR)

	Returns Since Inception				Performance vs. Expectations			ns
- Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
Fund of Funds				1				
Arcano KRS Fund I, L.P.	0.87	1.47	7.06%	8.38%			Х	
Bay Hills Emerging Partners I, L.P.	0.18	2.26	14.54%	10.73%			Х	
Bay Hills Emerging Partners II, L.P.	1.59	2.53	20.62%	6.52%				Х
Bay Hills Emerging Partners III, L.P.	1.02	1.56	18.13%	2.33%				Х
Horsley Bridge International Fund V, L.P.	1.76	2.33	17.37%	5.71%				Х
KCP IV Co-Invest L.P.	0.75	1.11	4.09%	4.00%			Х	
Keyhaven Capital Partners Fund III, L.P.	0.60	1.36	8.30%	7.70%			Х	
Keyhaven Capital Partners Fund IV, L.P.	0.60	1.58	25.16%	4.52%				Х
Secondary Opportunities Fund III, L.P.	0.86	1.39	15.25%	3.03%				Х
Total Fund of Funds	0.94	1.58	16.15%	4.79%	0.0%	0.0%	2.6%	18.4%
Growth Equity				1				
Essex Woodlands Health Ventures Fund VIII, L.P.	0.45	0.97	(0.55%)	11.85%		Х		
Institutional Venture Partners XI, L.P.	0.00	1.07	1.16%	3.91%		Х		
Institutional Venture Partners XII, L.P.	0.21	2.69	25.90%	9.51%				Х
Total Growth Equity	0.30	1.53	9.35%	9.04%	0.0%	0.7%	0.0%	0.3%
Private Credit				1				
Avenue Special Situations Fund V, L.P.	0.00	1.32	11.10%	5.26%				Х
BDCM Opportunity Fund IV, L.P.	0.92	1.20	8.57%	1.85%			X	
MatlinPatterson Global Opportunities Partners	0.00	1.76	29.80%	8.18%				Х
MatlinPatterson Global Opportunities Partners II	0.02	0.58	(18.70%)	9.58%		Х		
MatlinPatterson Global Opportunities Partners III	0.21	1.29	5.00%	7.65%		Х		
Merit Mezzanine Fund IV, L.P.	0.01	1.98	11.52%	5.10%				Х
MHR Institutional Partners III LP	0.29	1.31	4.99%	5.99%		Х		
OCM Opportunities Fund VII-B, L.P.	0.02	1.73	16.52%	10.91%		Х		
Strategic Value Special Situations Feeder Fund IV, L.P.	1.21	1.23	17.30%	(7.75%)			Х	
Sun Capital Partners IV, L.P.	0.10	1.23	3.74%	4.84%		Х		
Wayzata Opportunities Fund II, L.P.	0.01	1.88	16.49%	8.97%				Х
Wayzata Opportunities Fund III, L.P.	0.34	0.94	(2.00%)	7.43%		Х		
Wayzata Opportunities Fund, L.P.	0.00	1.43	8.42%	2.42%				Х
Total Private Credit	0.38	1.32	9.13%	5.50%	0.0%	4.6%	5.1%	3.3%
Real Assets				1				
Kayne Anderson Energy Fund VII, L.P.	0.65	1.05	2.58%	4.05%				X
Tenaska Power Fund II, L.P.	0.03	0.93	(1.61%)	12.38%		X		
Total Real Assets	0.61	1.04	2.09%	5.81%	0.0%	0.3%	0.0%	5.5%



### PERFORMANCE BY PARTNERSHIP - SINCE INCEPTION (BY SECTOR)

	Returns Since Inception			Performance vs. Expectations				
Fund	RVPI	TVPI	IRR pa	Benchmark IRR pa	Too Early	Below	At	Above
Special Situations				1				
Ares Special Situations Fund IV, L.P.	0.92	0.98	(0.72%)	0.38%		Х		
CM Growth Capital Partners, L.P.	0.35	0.37	(10.71%)	7.46%		Х		
Total Special Situations	0.83	0.89	(3.40%)	3.67%	0.0%	1.8%	0.0%	0.0%
Venture Capital				1				
Columbia Capital Equity Partners IV (QP), L.P.	0.13	2.18	11.69%	5.05%				Х
DAG Ventures III-QP, L.P.	0.12	1.71	9.36%	6.49%			Х	
DAG Ventures II-QP, L.P.	0.10	0.50	(7.72%)	4.85%		Х		
DAG Ventures IV-QP, L.P.	0.59	1.15	1.85%	11.09%		Х		
DAG Ventures V-QP, L.P.	0.92	2.74	20.72%	8.78%				X
DCM VI, L.P.	0.87	1.21	3.00%	8.68%		Х		
H.I.G. BioVentures II, L.P.	1.13	1.59	14.90%	4.34%			Х	
H.I.G. Venture Partners II, L.P.	0.33	1.43	4.93%	6.28%		Х		
TCV VI, L.P.	0.14	1.60	12.65%	3.50%				X
VantagePoint Venture Partners 2006, L.P.	0.23	0.38	(11.50%)	7.30%		Х		
VantagePoint Venture Partners IV, L.P.	0.07	1.23	3.52%	4.61%		Х		
Total Venture Capital	0.59	1.53	7.13%	7.43%	0.0%	2.6%	1.6%	1.4%
Total	0.66	1.49	11.58%	6.14%	0.0%	11.2%	43.5%	45.3%

#### Criteria for Performance vs. Expectations classification

Classifications for performance, which are dependent on investments' vintage and IRR, are as defined by Wilshire Private Markets (WPM) and further detailed below.

- Too early:
  - Fund investments: PIC of less than .2 and less than one year past the investment date
  - Co-investments: less than one year past the investment date
- Below:

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- Five years or less past investment date at least 10% below public benchmark IRR
- More than five years but less than ten past investment date at least 5% below public benchmark IRR
- Ten years or more past investment date below public benchmark IRR
- Above: IRR of 5% or more above public benchmark
- At: all investments not otherwise categorized

Effective December 31, 2018, WPMG will udpate performance classifications only when a change criteria is triggered for two consecutive quarters.

## PARTNERSHIPS REPORTS



#### Notes:

The "Asset Level Realized Proceeds" data is generated by a third party service provider based on reports delivered by underlying fund managers. Managers do not use universal reporting standards for such proceeds, which can at times lead to inaccuracies in this particular metric and others derived from it. WPM attempts to ensure accuracy in its reporting and is working to correct any issues, including updating figures in subsequent reports as more data becomes available. Please note that this only relates to underlying portfolio companies, and not Wilshire fund level capital account information.

### ARBOR CAPITAL II, L.P.

Partnership Details				
Sector:	Buyout			
Vintage Year:	2006			
Commitment Date:	March 1, 2006			
Commitment:	\$ 2,500,000			
Percent of Fund:	1.46%			

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,101,825
Distributions:	\$ 0	\$ 5,169,227
Market Value:	\$ 7,788	\$ 7,788

RATIOS AND PERFORMANCE					
IRR pa	PIC	DPI	RVPI	TVPI	
19.44%	0.84	2.46	0.00	2.46	

TOP 10 PORTFOLIO HOLDINGS (000's)					
Company Name	Industry Group	Market Value	% Market Value		
Fieldbrook Foods, Inc.	Food, Beverage & Tobacco	32,298	100.0%		
Grand Total		32,298	100.0%		

### INVESTMENT COMMENTARY

### ARCANO KRS FUND I, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2010
Commitment Date:	January 1, 2010
Commitment:	\$ 4,000,000
Percent of Fund:	10.00%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,140,000
Distributions:	\$ 0	\$ 1,884,467
Market Value:	\$ 2,720,081	\$ 2,720,081

RATIOS AND PERFORMANCE					
IRR pa	PIC	DPI	RVPI	TVPI	
7.06%	0.79	0.60	0.87	1.47	

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Investindustrial V, L.P.	Diversified Financials	3,059	11.5%
Altra Private Equity Fund II, L.P.	Diversified Financials	2,953	11.1%
Abris CEE Mid-Market Fund II	Diversified Financials	2,847	10.7%
CGS III	Diversified Financials	2,569	9.6%
Turkish Private Equity Fund III, L.P IC	Diversified Financials	2,539	9.5%
Living Bridge V, L.P.	Diversified Financials	2,389	9.0%
Linzor Capital Partners II, L.P.	Diversified Financials	2,148	8.1%
Axxon Brazil Private Equity Fund II, L.P.	Diversified Financials	1,916	7.2%
Palatine Private Equity Fund II	Diversified Financials	1,854	7.0%
Advent Latin American Private Equity Fund V, L.P.	Diversified Financials	1,836	6.9%
Grand Total		24,111	90.6%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund invested \$0.1 million in six investments during the quarter. The largest investment was made in Axxon Brazil Private Equity Fund II, L.P. The Fund realized a total of \$1.7 million in proceeds. The largest realization event was in Living Bridge V, L.P. Overall, the portfolio's valuation increased by \$2.0 million.

### ARES SPECIAL SITUATIONS FUND IV, L.P.

Partnership Details	
Sector:	Special Situations
Vintage Year:	2015
Commitment Date:	February 1, 2015
Commitment:	\$ 13,808,000
Percent of Fund:	0.91%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 14,045,265
Distributions:	\$ O	\$ 902,249
Market Value:	\$ 12,875,036	\$ 12,875,036

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
(0.72%)	1.02	0.06	0.92	0.98

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Business Services - US - Ares SSF IV	Other	160,339	11.0%
Toys R Us, Inc.	Retailing	131,224	9.00
Infrastructure & Energy Alternatives LLC	Capital Goods	98,000	6.79
Option Care Health, Inc.	Health Care Equipment & Services	97,460	6.7%
Telecommunications - US - Ares SSF IV	Telecommunication Services	96,142	6.69
Revlon, Inc.	Household & Personal Products	92,600	6.49
Beverage, Food and Tobacco - US - Ares SSF IV	Food, Beverage & Tobacco	91,064	6.39
ECR Corporate Center, L.P.	Energy	84,591	5.8%
TVI, Inc.	Retailing	82,668	5.7%
Empire Generating Co. LLC	Utilities	76,725	5.39
Grand Total		1,010,813	69.59

#### INVESTMENT COMMENTARY

The Fund is completing the investment phase. The Fund invested \$131 million in 14 issuers during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio generated a 4.6% net return for the quarter.

### AVENUE SPECIAL SITUATIONS FUND V, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2007
Commitment Date:	May 1, 2007
Commitment:	\$ 7,514,322
Percent of Fund:	0.12%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	
Invested Capital:	\$ 0	\$ 7,514,641
Distributions:	\$ O	\$ 9,945,345
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
11.10%	1.00	1.32	0.00	1.32

#### INVESTMENT COMMENTARY

### BAY HILLS EMERGING PARTNERS I, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2007
Commitment Date:	January 1, 2007
Commitment:	\$ 7,500,000
Percent of Fund:	10.00%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 5,163,953
Distributions:	\$ 0	\$ 10,775,677
Market Value:	\$ 911,169	\$ 911,169

RATIOS AND PERFORMANCE					
IRR pa PIC DPI RVPI TVPI					
14.54%	0.69	2.09	0.18	2.26	

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Accel-KKR Capital Partners III, L.P.	Diversified Financials	15,951	42.9%
New Capital Partners Private Equity Fund II, L.P.	Diversified Financials	6,959	18.7%
Clearspring Capital Partners II	Diversified Financials	3,916	10.5%
Platte River Ventures II, L.P.	Diversified Financials	3,595	9.7%
High Road Capital Partners Fund I, L.P.	Diversified Financials	2,682	7.2%
Comvest Capital III, L.P.	Diversified Financials	1,806	4.9%
Marlin Equity II, L.P.	Diversified Financials	1,748	4.7%
Waud Capital Partners II, L.P.	Diversified Financials	485	1.3%
Grand Total		37,142	100.0%

### INVESTMENT COMMENTARY

### BAY HILLS EMERGING PARTNERS II, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2009
Commitment Date:	January 1, 2009
Commitment:	\$ 10,000,000
Percent of Fund:	5.00%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 77,600	\$ 9,013,962
Distributions:	\$ 488,500	\$ 8,503,155
Market Value:	\$ 14,311,304	\$ 14,311,304

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
20.62%	0.90	0.94	1.59	2.53

### TOP 10 PORTFOLIO HOLDINGS (000's)

Madison Capital Opportunity Fund IIDiversified Financials58,73635.Madison Capital Opportunity Fund IIIDiversified Financials40,20024.Carrick Capital Fund IDiversified Financials17,19210.Accel-KKR Capital Partners IV, L.P.Diversified Financials12,9717.H.I.G Growth Buyout & Equity Fund IIDiversified Financials11,4066.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.				
Fund IIDiversified Financials40,20024.Madison Capital Opportunity Fund IIIDiversified Financials17,19210.Carrick Capital Fund IDiversified Financials17,19210.Accel-KKR Capital Partners IV, L.P.Diversified Financials12,9717.H.I.G Growth Buyout & Equity Fund IIDiversified Financials11,4066.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.	Company Name	Industry Group	Market Value	% Market Value
Fund IIIDiversified Financials17,19210.Carrick Capital Fund IDiversified Financials12,9717.Accel-KKR Capital Partners IV, L.P.Diversified Financials12,9717.H.I.G Growth Buyout & Equity Fund IIDiversified Financials11,4066.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.		Diversified Financials	58,736	35.6%
Accel-KKR Capital Partners IV, L.P.Diversified Financials12,9717.H.I.G Growth Buyout & Equity Fund IIDiversified Financials11,4066.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.		Diversified Financials	40,200	24.4%
IV, L.P.H.I.G Growth Buyout & EquityDiversified Financials11,4066.Fund IIDiversified Financials10,4626.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.	Carrick Capital Fund I	Diversified Financials	17,192	10.4%
Fund IIDiversified Financials10,4626.J.F. Lehman Equity Fund IIIDiversified Financials10,4626.Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.	1	Diversified Financials	12,971	7.9%
Platte River Equity III, L.P.Diversified Financials6,5934.TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.	5 1 5	Diversified Financials	11,406	6.9%
TriWest Capital Partners IVDiversified Financials5,5463.Marlin Equity III, L.P ICDiversified Financials1,6851.	J.F. Lehman Equity Fund III	Diversified Financials	10,462	6.3%
Marlin Equity III, L.P IC Diversified Financials 1,685 1.	Platte River Equity III, L.P.	Diversified Financials	6,593	4.0%
	TriWest Capital Partners IV	Diversified Financials	5,546	3.4%
Grand Total164,791 100.	Marlin Equity III, L.P IC	Diversified Financials	1,685	1.0%
	Grand Total		164,791	100.0%

#### INVESTMENT COMMENTARY

### BAY HILLS EMERGING PARTNERS III, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2013
Commitment Date:	January 1, 2013
Commitment:	\$ 69,100,000
Percent of Fund:	46.07%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 1,607,704	\$ 46,753,857
Distributions:	\$ 2,888,380	\$ 25,313,103
Market Value:	\$ 47,651,253	\$ 47,651,253

RATIOS AND PERFORMANCE				
IRR pa PIC DPI RVPI TVPI				
18.13%	0.68	0.54	1.02	1.56

### TOP 10 PORTFOLIO HOLDINGS (000's)

Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%	Grand Total		132,762	99.4%
New State Capital Partners IDiversified Financials25,50019,1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%L.P.Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%JFL Equity Investors IV, L.P.Diversified Financials13,62510.2%High Road Capital Partners II, L.P.Diversified Financials9,7397.3%Centre Lane Partners IV, L.P.Diversified Financials9,4737.1%TriWest Capital Partners V (US), L.P.Diversified Financials7,5545.7%		Health Care Equipment & Services	4,691	3.5%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%JFL Equity Investors IV, L.P.Diversified Financials13,62510.2%High Road Capital Partners II, L.P.Diversified Financials9,7397.3%Centre Lane Partners IV, L.P.Diversified Financials9,4737.1%TriWest Capital Partners VDiversified Financials5.7%	Trive Capital Fund II, L.P.	Diversified Financials	7,517	5.6%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%JFL Equity Investors IV, L.P.Diversified Financials13,62510.2%High Road Capital Partners II, L.P.Diversified Financials9,7397.3%		Diversified Financials	7,554	5.7%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%JFL Equity Investors IV, L.P.Diversified Financials13,62510.2%High Road Capital Partners II, Diversified FinancialsDiversified Financials9,7397.3%	Centre Lane Partners IV, L.P.	Diversified Financials	9,473	7.1%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%Trive Capital Fund I, L.P.Diversified Financials16,30512.2%	0	Diversified Financials	9,739	7.3%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%Atlantic Street Capital III, L.P.Diversified Financials18,75814.0%	JFL Equity Investors IV, L.P.	Diversified Financials	13,625	10.2%
New State Capital Partners IDiversified Financials25,50019.1%Carrick Capital Partners II, L.P.Diversified Financials19,60014.7%	Trive Capital Fund I, L.P.	Diversified Financials	16,305	12.2%
New State Capital Partners I Diversified Financials 25,500 19.1%   Carrick Capital Partners II, Diversified Financials 19,600 14.7%	Atlantic Street Capital III, L.P.	Diversified Financials	18,758	14.0%
		Diversified Financials	19,600	14.7%
Company Name Industry Group Market Value % Market Value	New State Capital Partners I	Diversified Financials	25,500	19.1%
	Company Name	Industry Group	Market Value	% Market Value

#### INVESTMENT COMMENTARY

### BDCM OPPORTUNITY FUND IV, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2015
Commitment Date:	February 1, 2015
Commitment:	\$ 24,420,000
Percent of Fund:	2.93%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 945,292	\$ 27,290,012
Distributions:	\$ 336,363	\$ 7,787,029
Market Value:	\$ 25,005,381	\$ 25,005,381

RATIOS AND PERFORMANCE				
IRR pa PIC DPI RVPI TVPI				
8.57%	1.12	0.29	0.92	1.20

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Polynt S.p.A.	Materials	400,171	27.0%
Emeco Holdings, Ltd.	Capital Goods	172,887	11.7%
Harvey Gulf International Marine LLC	Transportation	165,029	11.2%
GST AutoLeather, Inc.	Automobiles & Components	136,868	9.2%
Empire Generating Co. LLC	Utilities	135,340	9.1%
Vertellus Specialties, Inc.	Materials	117,729	8.0%
Boomerang Tube LLC	Energy	115,132	7.8%
CTI Foods Holding Co. LLC	Food, Beverage & Tobacco	74,254	5.0%
IAP Worldwide Services, Inc.	Transportation	43,904	3.0%
Valley Joist LLC	Materials	27,097	1.8%
Grand Total		1,388,411	93.8%

### INVESTMENT COMMENTARY

#### BLACKSTONE CAPITAL PARTNERS V, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2006
Commitment Date:	July 1, 2005
Commitment:	\$ 12,500,000
Percent of Fund:	0.08%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 78	\$ 12,320,078
Distributions:	\$ 78	\$ 20,628,778
Market Value:	\$ 566,862	\$ 566,862

RATIOS AND PERFORMANCE				
IRR pa PIC DPI RVPI TVPI				
8.11% 0.99 1.67 0.05 1.72				

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Apria Healthcare LLC	Health Care Equipment & Services	297,137	38.4%
Michaels Cos., Inc., The	Retailing	185,214	24.0%
Summit Materials, Inc.	Materials	101,482	13.1%
PBF Energy, Inc.	Energy	86,516	11.2%
RGIS LLC	Commercial & Professional Services	55,401	7.2%
Osum Oil Sands Corp.	Energy	27,726	3.6%
Hindustan Power Projects Pvt. Ltd.	Utilities	19,190	2.5%
International Business Machines Corp.	Software & Services	272	0.0%
Monnet Power Co., Ltd.	Utilities	245	0.0%
Grand Total		773,183	100.0%

#### **INVESTMENT COMMENTARY**

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not make any significant realizations during the quarter. Overall, the portfolio's valuation decreased by \$40.2 million.

### BLACKSTONE CAPITAL PARTNERS VI, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2011
Commitment Date:	June 1, 2008
Commitment:	\$ 40,000,000
Percent of Fund:	0.26%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 24,354	\$ 42,178,644
Distributions:	\$ 1,167,050	\$ 37,342,443
Market Value:	\$ 29,013,413	\$ 29,013,413

RATIOS A	ND PERF	ORMAN	ICE	
IRR pa	PIC	DPI	RVPI	TVPI
11.67%	1.05	0.89	0.69	1.57

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Gates Corp., The	Capital Goods	1,552,192	12.2%
Cheniere Energy Partners, L.P.	Energy	1,422,383	11.1%
Kronos, Inc.	Software & Services	1,378,958	10.8%
Exeter Finance Corp.	Diversified Financials	1,016,002	8.0%
Vivint, Inc.	Consumer Services	709,789	5.6%
Guidon Energy	Energy	699,679	5.5%
Change Healthcare, Inc.	Health Care Equipment & Services	695,823	5.5%
MphasiS, Ltd.	Software & Services	657,282	5.2%
First Eagle Investment Management LLC	Diversified Financials	590,089	4.6%
Armacell Enterprise GmbH	Materials	507,637	4.0%
Grand Total		9,229,834	72.4%

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund did not make any significant capital contributions during the quarter. The Fund distributed a total of \$369.6 million during the quarter. Overall, the portfolio's valuation decreased by \$54.9 million.

## CM GROWTH CAPITAL PARTNERS, L.P.

Partnership Details	
Sector:	Special Situations
Vintage Year:	2010
Commitment Date:	May 1, 2009
Commitment:	\$ 2,600,000
Percent of Fund:	2.10%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception	
Invested Capital:	\$ 0	\$ 2,596,747	
Distributions:	\$ 0	\$ 59,916	
Market Value:	\$ 899,788	\$ 899,788	

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
(10.71%)	1.00	0.02	0.35	0.37

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
MetricStream, Inc.	Software & Services	54,588	83.1%
Bloom Energy	Capital Goods	10,409	15.8%
Globetouch, Inc.	Software & Services	476	0.7%
Branders.com, Inc.	Retailing	235	0.4%
Grand Total		65,708	100.0%

### INVESTMENT COMMENTARY

## COLUMBIA CAPITAL EQUITY PARTNERS IV (QP), L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2005
Commitment Date:	December 1, 2005
Commitment:	\$ 3,000,000
Percent of Fund:	0.54%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,953,808
Distributions:	\$ 0	\$ 6,069,269
Market Value:	\$ 379,453	\$ 379,453

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
11.69%	0.98	2.05	0.13	2.18

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
NextNav LLC	Technology Hardware & Equipment	42,556	47.6%
Cologix, Inc.	Software & Services	17,344	19.4%
Digimi, Inc.	Software & Services	17,079	19.1%
euNetworks Group, Ltd.	Telecommunication Services	9,112	10.2%
Vubiquity, Inc.	Software & Services	2,806	3.1%
Jam City, Inc.	Software & Services	529	0.6%
Grand Total		89,426	100.0%

### INVESTMENT COMMENTARY

### CRESTVIEW PARTNERS II, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2008
Commitment Date:	August 1, 2008
Commitment:	\$ 7,500,000
Percent of Fund:	0.31%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 8,406,658
Distributions:	\$ 0	\$ 10,910,248
Market Value:	\$ 3,860,251	\$ 3,860,251

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
13.22%	1.12	1.30	0.46	1.76

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Victory Capital Management, Inc.	Diversified Financials	548,450	50.6%
Camping World Holdings, Inc.	Retailing	217,681	20.1%
Select Energy Services LLC	Energy	138,628	12.8%
Synergy Energy Holdings LLC	Capital Goods	67,877	6.3%
CORE Media Group, Inc.	Media & Entertainment	61,632	5.7%
Silver Creek Oil & Gas LLC	Energy	48,583	4.5%
Grand Total		1,082,851	100.0%

### **INVESTMENT COMMENTARY**

The Fund is completing the realization phase. The Fund made no new investments during the quarter. The Fund realized a total of \$15 million in proceeds. The largest realization event was in CORE Media Group. Overall, the portfolio's valuation increased by \$337 million.

### CRESTVIEW PARTNERS III, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2015
Commitment Date:	January 1, 2015
Commitment:	\$ 21,000,000
Percent of Fund:	0.67%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 14,564,144
Distributions:	\$ O	\$ 8,630,700
Market Value:	\$ 10,345,041	\$ 10,345,041

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
10.64%	0.69	0.59	0.71	1.30

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Hornblower Yachts, Inc.	Consumer Services	437,500	17.8%
Elo Touch Solutions, Inc.	Technology Hardware & Equipment	312,400	12.7%
Accuride Corp.	Automobiles & Components	297,900	12.19
Fidelis Insurance Holdings, Ltd.	Insurance	282,100	11.59
ATC Drivetrain LLC	Automobiles & Components	208,200	8.5
WideOpenWest Finance LLC	Media & Entertainment	195,801	7.9
Congruex LLC	Capital Goods	188,700	7.7
Venerable Holdings, Inc.	Diversified Financials	133,800	5.49
Protect My Car LLC	Insurance	103,961	4.20
CP Energy LLC	Energy	98,800	4.0
Grand Total		2,259,162	91.7

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund invested \$85 million in six investments during the quarter. The largest investment was made in Fidelis Insurance Holdings. The Fund realized a total of \$1,038 million in proceeds. The largest realization event was in JR Automation Technologies. Overall, the portfolio's valuation increased by \$101 million.

### CVC EUROPEAN EQUITY PARTNERS VI, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2014
Commitment Date:	February 1, 2014
Commitment:	\$ 13,895,929
Percent of Fund:	0.12%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 15,367,172
Distributions:	\$ 47,845	\$ 8,121,453
Market Value:	\$ 14,268,878	\$ 14,268,878

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
15.31%	1.11	0.53	0.93	1.46

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Zabka Polska S.A	Food & Staples Retailing	1,065,983	8.4%
Paysafe Group, Ltd.	Software & Services	1,024,230	8.0%
Tipico Co., Ltd.	Consumer Services	841,754	6.6%
PKP Energetyka	Utilities	718,653	5.6%
Sisal Entertainment S.p.A.	Consumer Services	716,398	5.6%
Etraveli AB	Consumer Services	630,089	4.9%
Breitling S.A.	Consumer Durables & Apparel	600,115	4.7%
NewDay Cards, Ltd.	Diversified Financials	546,119	4.3%
Metropolitan Hospital Group	Health Care Equipment & Services	542,770	4.3%
Douglas GmbH	Retailing	526,841	4.1%
Grand Total		7,212,952	56.5%

### INVESTMENT COMMENTARY

### DAG VENTURES III-QP, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2007
Commitment Date:	April 1, 2007
Commitment:	\$ 3,000,000
Percent of Fund:	0.64%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,997,844
Distributions:	\$ 0	\$ 4,792,572
Market Value:	\$ 346,227	\$ 346,227

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
9.36%	1.00	1.60	0.12	1.71

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
DisplayLink, Ltd.	Semiconductors & Semiconductor Equipment	50,678	84.3%
Funny or Die, Inc.	Software & Services	7,305	12.1%
Prosper Marketplace, Inc.	Diversified Financials	1,206	2.0%
Ardent Managed Solutions, Inc.	Commercial & Professional Services	962	1.6%
Grand Total		60,151	100.0%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$20.2 million in proceeds. Overall, the portfolio's valuation increased by \$16.6 million.

## DAG VENTURES II-QP, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2006
Commitment Date:	March 1, 2006
Commitment:	\$ 3,000,000
Percent of Fund:	0.92%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,067,243
Distributions:	\$ 0	\$ 1,227,107
Market Value:	\$ 309,756	\$ 309,756

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
(7.72%)	1.02	0.40	0.10	0.50

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Pinger, Inc.	Software & Services	11,150	35.2%
Cleartrip Travel Services Pvt. Ltd.	Retailing	10,478	33.1%
UShip, Inc.	Retailing	8,000	25.3%
Oorja Protonics, Inc.	Technology Hardware & Equipment	2,055	6.5%
Grand Total		31,683	100.0%

### **INVESTMENT COMMENTARY**

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$5.2 million.

### DAG VENTURES IV-QP, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2008
Commitment Date:	August 1, 2008
Commitment:	\$ 10,000,000
Percent of Fund:	2.17%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 10,000,000
Distributions:	\$ 0	\$ 5,613,021
Market Value:	\$ 5,889,946	\$ 5,889,946

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
1.85%	1.00	0.56	0.59	1.15

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
1Life Healthcare, Inc.	Health Care Equipment & Services	87,294	32.2%
Wealthfront, Inc.	Diversified Financials	42,543	15.7%
Eventbrite, Inc.	Software & Services	37,466	13.8%
Zuora, Inc.	Software & Services	27,865	10.3%
Clickatell Corp.	Telecommunication Services	13,876	5.1%
Progress Software Corp.	Software & Services	12,432	4.6%
OpenX Software, Ltd.	Software & Services	11,815	4.4%
D2S, Inc.	Software & Services	11,345	4.2%
BOKU, Inc.	Software & Services	8,483	3.1%
True Ultimate Standards Everywhere, Inc.	Software & Services	7,569	2.8%
Grand Total		260,688	96.2%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$4.9 million in proceeds. Overall, the portfolio's valuation increased by \$16.0 million.

### DAG VENTURES V-QP, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2011
Commitment Date:	August 1, 2011
Commitment:	\$ 7,000,000
Percent of Fund:	3.52%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 7,227,500
Distributions:	\$ 0	\$ 13,145,507
Market Value:	\$ 6,641,923	\$ 6,641,923

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
20.72%	1.03	1.82	0.92	2.74

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
WeWork Co., Inc.	Commercial & Professional Services	111,648	47.8%
Nextdoor.com, Inc.	Software & Services	66,646	28.6%
Atara Biotherapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	22,212	9.5%
Taulia, Inc.	Software & Services	18,116	7.8%
Inspirato LLC	Consumer Services	10,527	4.5%
Dog Vacay, Inc.	Software & Services	3,584	1.5%
Ninian Solutions, Ltd.	Software & Services	659	0.3%
Zaarly, Inc.	Software & Services	29	0.0%
Grand Total		233,421	100.0%

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$39.8 million.

## DCM VI, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2010
Commitment Date:	September 1, 2009
Commitment:	\$ 1,500,000
Percent of Fund:	0.33%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 1,402,500
Distributions:	\$ 0	\$ 480,000
Market Value:	\$ 1,221,102	\$ 1,221,102

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
3.00%	0.94	0.34	0.87	1.21

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Social Finance, Inc.	Diversified Financials	164,910	38.5%
Freee K.K	Software & Services	81,092	18.9%
FiveStars Loyalty, Inc.	Software & Services	41,595	9.7%
Matterport, Inc.	Software & Services	37,597	8.8%
Nok Nok Labs, Inc.	Software & Services	14,215	3.3%
DCM Venture Capital Investment Enterprise	Diversified Financials	13,308	3.1%
Augmedix, Inc.	Health Care Equipment & Services	12,855	3.0%
Universal Education Holdings, Ltd.	Consumer Services	11,507	2.7%
LearnZillion	Software & Services	9,170	2.1%
Wowzer, Inc.	Software & Services	5,911	1.4%
Grand Total		392,160	91.6%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund invested \$2.5 million in two investments during the quarter. The Fund realized a total of \$47.6 million in proceeds. The largest realization event was in Freee K.K. Overall, the portfolio's valuation increased by \$31.2 million.

### ESSEX WOODLANDS HEALTH VENTURES FUND VIII, L.P.

Partnership Details	
Sector:	Growth Equity
Vintage Year:	2008
Commitment Date:	March 1, 2008
Commitment:	\$ 5,000,000
Percent of Fund:	0.56%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 5,000,000
Distributions:	\$ O	\$ 2,618,125
Market Value:	\$ 2,229,520	\$ 2,229,520

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
(0.55%)	1.00	0.52	0.45	0.97

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Bioventus LLC	Health Care Equipment & Services	197,550	50.0%
Symphogen A/S	Pharmaceuticals, Biotechnology & Life Sciences	58,500	14.8%
Revance Therapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	37,505	9.5%
Molecular Partners AG	Pharmaceuticals, Biotechnology & Life Sciences	28,403	7.2%
Biotoscana Investments S.A.	Pharmaceuticals, Biotechnology & Life Sciences	20,359	5.2%
White Pine Medical, Inc.	Diversified Financials	15,640	4.0%
BreatheAmerica, Inc.	Health Care Equipment & Services	15,500	3.9%
Yantai Beacon	Health Care Equipment & Services	6,600	1.7%
IntegenX, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	5,183	1.3%
QSpex Technologies, Inc.	Health Care Equipment & Services	5,000	1.3%
Grand Total		390,239	98.8%

## INVESTMENT COMMENTARY

## GOLDER THOMA CRESSEY RAUNER IX-A, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2006
Commitment Date:	June 1, 2006
Commitment:	\$ 7,000,000
Percent of Fund:	0.30%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 6,665,394
Distributions:	\$ 23,514	\$ 12,041,833
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
13.77%	0.95	1.81	0.00	1.81

#### INVESTMENT COMMENTARY

## GREEN EQUITY INVESTORS IV, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2003
Commitment Date:	April 1, 2003
Commitment:	\$ 7,500,000
Percent of Fund:	0.40%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,186,947
Distributions:	\$ 0	\$ 14,550,165
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
10.98%	0.96	2.02	0.00	2.02

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund made no new investments and realized \$18.0 million its final investment in HITS. The Fund expects to be terminated in Q4 2019.

### **GREEN EQUITY INVESTORS V, L.P.**

Partnership Details		
Sector:	Buyout	
Vintage Year:	2007	
Commitment Date:	December 1, 2006	
Commitment:	\$ 10,000,000	
Percent of Fund:	0.25%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 10,202,994
Distributions:	\$ 0	\$ 19,838,482
Market Value:	\$ 3,887,954	\$ 3,887,954

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
18.36% 1.02 1.94 0.38 2.33				

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
CHG Healthcare Services, Inc.	Health Care Equipment & Services	900,272	50.0%
Authentic Brands Group LLC	Media & Entertainment	396,161	22.0%
AerSale Corp.	Capital Goods	227,600	12.6%
Jo-Ann Stores LLC	Retailing	106,925	5.9%
Container Store, Inc., The	Retailing	88,419	4.9%
J.Crew Group, Inc.	Retailing	36,959	2.1%
SoulCycle, Inc.	Consumer Services	35,618	2.0%
Prospect Medical Holdings, Inc.	Health Care Equipment & Services	7,512	0.4%
Grand Total		1,799,466	100.0%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund made no new investments during the quarter. The Fund realized a total of \$37 million in proceeds. The largest realization event was in CHG Healthcare Services, Inc. Overall, the portfolio's valuation increased by \$70 million.

### **GREEN EQUITY INVESTORS VI, L.P.**

Partnership Details	
Sector:	Buyout
Vintage Year:	2012
Commitment Date:	November 1, 2011
Commitment:	\$ 28,000,000
Percent of Fund:	0.72%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 16,754	\$ 30,177,333
Distributions:	\$ 290,420	\$ 21,624,287
Market Value:	\$ 31,546,929	\$ 31,546,929

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
15.55%	1.08	0.72	1.05	1.76

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Jetro Cash & Carry, Inc.	Retailing	880,674	17.9%
Life Time Fitness, Inc.	Consumer Services	790,728	16.1%
Car Wash Partners, Inc.	Consumer Services	679,545	13.8%
ExamWorks Group, Inc.	Health Care Equipment & Services	550,404	11.2%
Signet Jewelers, Ltd Debt Asset	Retailing	389,998	7.9%
Caliber Collision Centers, Inc.	Commercial & Professional Services	373,158	7.6%
Advantage Sales & Marketing LLC	Media & Entertainment	347,875	7.1%
Ellucian	Software & Services	297,922	6.1%
MultiPlan, Inc.	Health Care Equipment & Services	216,300	4.4%
Insight Global LLC	Commercial & Professional Services	199,255	4.1%
Grand Total		4,725,861	96.1%

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund made no new investments during the quarter. The Fund realized a total of \$82 million in proceeds. The largest realization event was in Jetro Cash & Carry, Inc. Overall, the portfolio's valuation increased by \$339 million.

### **GREEN EQUITY INVESTORS VII, L.P.**

Partnership Details		
Sector:	Buyout	
Vintage Year:	2017	
Commitment Date:	January 1, 2016	
Commitment:	\$ 25,000,000	
Percent of Fund:	0.57%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 1,958,139	\$ 19,461,498
Distributions:	\$ 0	\$ 349,455
Market Value:	\$ 22,981,298	\$ 22,981,298

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
11.56%	0.78	0.02	1.18	1.20

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
CPA Global, Ltd.	Commercial & Professional Services	1,341,098	14.3%
SRS Distribution, Inc.	Capital Goods	1,150,211	12.2%
Charter NEX Films, Inc.	Materials	896,426	9.5%
ProMach, Inc.	Capital Goods	832,434	8.8%
Press Ganey Associates, Inc.	Health Care Equipment & Services	815,966	8.7%
Catalent Pharma Solutions, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	746,060	7.9%
Aspen Dental Management, Inc.	Health Care Equipment & Services	672,458	7.1%
Veritext	Commercial & Professional Services	648,654	6.9%
Pure Gym, Ltd.	Consumer Services	576,236	6.1%
Wrench Group, The	Consumer Services	431,419	4.6%
Grand Total		8,110,962	86.2%

### INVESTMENT COMMENTARY

The Fund is active in the investment phase. The Fund invested \$27 million in Pure Gym during the quarter. The Fund realized a total of \$48.0 million in proceeds from MDVIP. Overall, the portfolio's valuation increased by \$517 million.

### H.I.G. BIOVENTURES II, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2011
Commitment Date:	February 1, 2011
Commitment:	\$ 11,500,000
Percent of Fund:	4.49%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 314,281	\$ 10,789,404
Distributions:	\$ 0	\$ 4,976,259
Market Value:	\$ 12,207,983	\$ 12,207,983

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
14.90%	0.94	0.46	1.13	1.59

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
RxSight, Inc.	Health Care Equipment & Services	91,675	32.7%
Intact Vascular, Inc.	Health Care Equipment & Services	37,947	13.5%
Clarus Therapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	26,481	9.4%
Exagen, Inc.	Health Care Equipment & Services	24,578	8.8%
Leiter's Enterprises, Inc.	Health Care Equipment & Services	18,267	6.5%
Arvelle Therapeutics GmbH	Pharmaceuticals, Biotechnology & Life Sciences	15,332	5.5%
VertiFlex, Inc.	Health Care Equipment & Services	13,091	4.7%
Iconic Therapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	12,476	4.4%
Orbus Therapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	11,589	4.1%
Nevakar, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	9,984	3.6%
Grand Total		261,421	93.2%

## INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund invested \$12 million in four investments during the quarter. The largest investment was made in Nevakar, Inc. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation increased by \$25 million.

### H.I.G. CAPITAL PARTNERS V, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2013	
Commitment Date:	March 1, 2013	
Commitment:	\$ 6,900,000	
Percent of Fund:	0.68%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 5,539,153
Distributions:	\$ 0	\$ 1,816,204
Market Value:	\$ 7,620,196	\$ 7,620,196

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
22.82%	0.80	0.33	1.38	1.70

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
AVI-SPL, Inc.	Software & Services	179,242	12.8%
Trace3, Inc.	Software & Services	132,503	9.4%
Velocity Solutions, Inc.	Software & Services	106,536	7.6%
American Eye Care Corp.	Health Care Equipment & Services	102,704	7.3%
Valtris Specialty Chemicals, Inc.	Materials	92,155	6.6%
Vision Integrated Graphics Group LLC	Software & Services	62,633	4.5%
Whitney, Bradley & Brown, Inc.	Commercial & Professional Services	60,929	4.3%
Iron Bow Technologies LLC	Software & Services	55,657	4.0%
PeopleConnect Holdings, Inc.	Software & Services	45,946	3.3%
Jenny Craig Operations, Inc.	Consumer Services	38,266	2.7%
Grand Total		876,571	62.5%

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The largest investment was made in BioVectra, Inc. during the quarter. The Fund realized a total of \$23.5 million in proceeds. The largest realization event was in HelpSystems LLC. Overall, the portfolio's valuation increased by approximately \$175 million.

## H.I.G. VENTURE PARTNERS II, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2005
Commitment Date:	October 1, 2004
Commitment:	\$ 2,000,000
Percent of Fund:	0.67%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 1,946,667
Distributions:	\$ 0	\$ 2,139,999
Market Value:	\$ 641,919	\$ 641,919

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
4.93%	0.97	1.10	0.33	1.43

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Clarus Therapeutics, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	33,446	45.5%
CardioFocus, Inc.	Health Care Equipment & Services	27,604	37.5%
Funambol, Inc.	Software & Services	8,791	12.0%
Apollo Endosurgery, Inc.	Health Care Equipment & Services	4,018	5.5%
Grand Total		73,860	100.4%

### **INVESTMENT COMMENTARY**

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$2.1 million.

### HARVEST PARTNERS V, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2007	
Commitment Date:	January 1, 2006	
Commitment:	\$ 4,000,000	
Percent of Fund:	0.49%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,685,676
Distributions:	\$ 0	\$ 6,918,943
Market Value:	\$ 14,714	\$ 14,714

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
17.80%	0.92	1.88	0.00	1.88

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
TruckPro LLC	Retailing	1,829	79.8%
Continuum Energy	Energy	462	20.2%
Grand Total		2,291	100.0%

## INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$89 million in proceeds from the sale of Truck Pro. Overall, the portfolio's valuation increaased by \$2 million.

### HARVEST PARTNERS VI, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2012	
Commitment Date:	May 1, 2012	
Commitment:	\$ 11,600,000	
Percent of Fund:	1.04%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 529,982	\$ 12,620,586
Distributions:	\$ 0	\$ 18,634,039
Market Value:	\$ 5,859,091	\$ 5,859,091

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
21.92%	1.09	1.48	0.46	1.94

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Dental Care Alliance LLC	Health Care Equipment & Services	291,998	52.3%
Valet Living LLC	Commercial & Professional Services	154,259	27.6%
ADCS Clinics LLC	Health Care Equipment & Services	112,003	20.1%
Grand Total		558,260	100.0%

### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$135 million in proceeds. Overall, the portfolio's valuation decreased by \$14 million.

### HARVEST PARTNERS VII, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2016	
Commitment Date:	January 1, 2016	
Commitment:	\$ 20,000,000	
Percent of Fund:	0.89%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 2,555,033	\$ 20,722,043
Distributions:	\$ O	\$ 1,100,233
Market Value:	\$ 21,642,875	\$ 21,642,875

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
6.08%	1.04	0.05	1.04	1.10

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Dwyer Group, Inc., The	Commercial & Professional Services	382,298	16.2%
Epiq Systems, Inc.	Software & Services	351,034	14.9%
PRO Unlimited, Inc.	Commercial & Professional Services	308,670	13.19
VetCor, Inc.	Health Care Equipment & Services	295,719	12.6%
Material Handling Services LLC	Capital Goods	279,686	11.99
Integrity Marketing Group LLC	Insurance	243,962	10.49
Insight Global LLC	Commercial & Professional Services	197,282	8.49
ADCS Clinics LLC	Health Care Equipment & Services	189,070	8.00
Eyecare Services Partners	Health Care Equipment & Services	92,217	3.99
APC Automotive Technologies LLC	Automobiles & Components	16,049	0.79
Grand Total		2,355,987	100.09

### INVESTMENT COMMENTARY

The Fund is completing the investment phase. The Fund invested \$212 million in three investments during the quarter. The largest investment was made in Insight Global LLC. The Fund realized a total of \$7 million in proceeds. Overall, the portfolio's valuation increased by \$47 million.

### HELLMAN AND FRIEDMAN CAPITAL PARTNERS VI, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2007	
Commitment Date:	June 1, 2007	
Commitment:	\$ 7,500,000	
Percent of Fund:	0.09%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,302,820
Distributions:	\$ 0	\$ 11,990,481
Market Value:	\$ 2,776,987	\$ 2,776,987

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
13.49%	0.97	1.64	0.38	2.02

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Change Healthcare, Inc.	Health Care Equipment & Services	304,200	80.1%
Grosvenor Capital Management, L.P.	Diversified Financials	46,300	12.2%
Associated Materials Group, Inc.	Capital Goods	29,100	7.7%
Goodman Global, Inc.	Capital Goods	400	0.1%
Grand Total		380,000	100.0%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$1.8 million in proceeds. Overall, the portfolio's valuation increased by \$84.3 million.

### HORSLEY BRIDGE INTERNATIONAL FUND V, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2009
Commitment Date:	January 1, 2009
Commitment:	\$ 5,000,000
Percent of Fund:	0.32%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 19,500	\$ 5,044,815
Distributions:	\$ 243,991	\$ 2,874,971
Market Value:	\$ 8,891,747	\$ 8,891,747

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
17.37%	1.01	0.57	1.76	2.33

## TOP 10 PORTFOLIO HOLDINGS (000's)\*

Company Name	Industry Group	Market Value	% Market Value
Venture Funds - China	Diversified Financials	1,183,688	44.3%
Venture Funds - Europe	Diversified Financials	704,248	26.3%
DCM Ventures China Fund (DCM VIII), L.P.	Diversified Financials	231,361	8.7%
Venture Funds - India	Diversified Financials	163,137	6.1%
SAIF Partners India V, Ltd.	Diversified Financials	155,773	5.8%
Venture Funds - Latin America	Diversified Financials	139,886	5.2%
Buyout Funds - Europe	Diversified Financials	61,813	2.3%
Buyout Funds - Other	Diversified Financials	22,946	0.9%

#### Kentucky Retirement Systems - Insurance Trust Fund March 31, 2020

# W Wilshire

TOP 10 PORTFOLIO HC	DLDINGS (000's)*		
Company Name	Industry Group	Market Value	% Market Value
Buyout Funds - Latin America	Diversified Financials	11,478	0.4%
Grand Total		2,674,328	100.0%

### INVESTMENT COMMENTARY

The General Partner was unable to provide the Q4 2019 Report before the time of our printing. More details will be provided in future quarters.

\* Due to limited transparency at the portfolio level from the GP on the underlying quarterly reports, portfolio holdings presented are from annual audited financial statements and reflect information as of December 31, 2016, the latest available.

## INSTITUTIONAL VENTURE PARTNERS XI, L.P.

Partnership Details	
Sector:	Growth Equity
Vintage Year:	2005
Commitment Date:	January 1, 2005
Commitment:	\$ 1,500,000
Percent of Fund:	0.50%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 1,500,000
Distributions:	\$ 0	\$ 1,606,062
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
1.16%	1.00	1.07	0.00	1.07

### INVESTMENT COMMENTARY

The Fund has been fully realized and liquidated.

## INSTITUTIONAL VENTURE PARTNERS XII, L.P.

Partnership Details	
Sector:	Growth Equity
Vintage Year:	2007
Commitment Date:	April 1, 2007
Commitment:	\$ 3,000,000
Percent of Fund:	0.49%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,000,000
Distributions:	\$ O	\$ 7,440,884
Market Value:	\$ 617,984	\$ 617,984

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
25.90%	1.00	2.48	0.21	2.69

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Personal Capital Corp.	Diversified Financials	123,295	92.4%
Uber Technologies, Inc.	Transportation	8,926	6.7%
Gaia Interactive, Inc.	Software & Services	786	0.6%
Spiceworks, Inc.	Software & Services	345	0.3%
SoundCloud, Ltd.	Software & Services	99	0.1%
Grand Total		133,451	100.0%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation increased by \$0.3 million.

## JW CHILDS EQUITY PARTNERS III, L.P.

Partnership Details	artnership Details	
Sector:	Buyout	
Vintage Year:	2002	
Commitment Date:	August 1, 2002	
Commitment:	\$ 4,000,000	
Percent of Fund:	214.07%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,897,208
Distributions:	\$ 0	\$ 7,745,403
Market Value:	\$ 2,303	\$ 2,303

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
15.77%	0.97	1.99	0.00	1.99

TOP 10 PORTFOLIO HOLDINGS (000's)			
Company Name	Industry Group	Market Value	% Market Value
JA Apparel Corp.	Consumer Durables & Apparel	1,230	100.0%
Grand Total		1,230	100.0%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund invested \$53.5 million in one investment during the quarter. The Fund realized a total of \$98.2 million in proceeds. Overall, the portfolio's valuation increased by \$45.9 million.

### KAYNE ANDERSON ENERGY FUND VII, L.P.

Partnership Details	
Sector:	Real Assets
Vintage Year:	2016
Commitment Date:	January 1, 2015
Commitment:	\$ 50,000,000
Percent of Fund:	2.44%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 47,763,546
Distributions:	\$ 0	\$ 19,321,242
Market Value:	\$ 30,817,676	\$ 30,817,676

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
2.58%	0.96	0.40	0.65	1.05

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Kraken Oil & Gas LLC	Energy	347,356	28.2%
Casillas Petroleum Resource Partners LLC	Energy	322,030	26.2%
Native Exploration Holdings LLC	Energy	165,145	13.4%
Riverbend Permian II	Energy	120,806	9.8%
Triumph Energy Partners LLC	Energy	81,953	6.7%
Canyon Midstream II	Energy	58,700	4.8%
Beacon E&P Resources II	Energy	55,677	4.5%
Monadnock Resources LLC	Energy	37,828	3.1%
Balidor Oil & Gas LLC	Energy	29,433	2.4%
Haymaker Minerals & Royalties	Energy	9,301	0.8%
Grand Total		1,228,228	99.8%

### INVESTMENT COMMENTARY

The Fund is completing the investment phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$1.0 million in proceeds. Overall, the portfolio's valuation decreased by \$257.5 million.

## KCP IV CO-INVEST L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2016
Commitment Date:	January 1, 2016
Commitment:	\$ 9,104,888
Percent of Fund:	40.70%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception		
Invested Capital:	\$ 0	\$ 4,547,350		
Distributions:	\$ O	\$ 1,610,920		
Market Value:	\$ 3,425,661	\$ 3,425,661		

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
4.09%	0.50	0.35	0.75	1.11

TOP 10 PORTFOLIO	HOLDINGS (000's)		
Company Name	Industry Group	Market Value	% Market Value
Medinet Wales, Ltd.	Health Care Equipment & Services	7,181	100.0%
Grand Total		7,181	100.0%

### INVESTMENT COMMENTARY

## KEYHAVEN CAPITAL PARTNERS FUND III, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2010
Commitment Date:	November 1, 2009
Commitment:	\$ 3,351,369
Percent of Fund:	0.93%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 24,890	\$ 3,176,137
Distributions:	\$ 138,873	\$ 2,427,326
Market Value:	\$ 1,895,714	\$ 1,895,714

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
8.30%	0.95	0.76	0.60	1.36

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Miura Fund II, F.C.R. De Régimen Simplificado	Diversified Financials	41,083	18.7%
NEO Capital Private Equity Fund II L.P.	Diversified Financials	37,262	17.0%
DARAG AG	Insurance	36,367	16.6%
Valedo Partners Fund II AB	Diversified Financials	27,453	12.5%
Kennet Equipment Leasing, Ltd.	Other	21,387	9.7%
Afinum Funfte Beteiligungsgesellschaft mbH & Co. K	Diversified Financials	14,654	6.7%
Blue Colibri Capital Partners Fund II SCA, SICAV	Diversified Financials	13,728	6.3%
Favor S.a r.l.	Real Estate	7,266	3.3%
Alchemy Special Opportunities Fund II, L.P.	Diversified Financials	6,437	2.9%
LRI Invest	Diversified Financials	5,760	2.6%
Grand Total		211,396	96.3%

## INVESTMENT COMMENTARY

## KEYHAVEN CAPITAL PARTNERS FUND IV, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2016
Commitment Date:	April 1, 2016
Commitment:	\$ 9,014,807
Percent of Fund:	9.31%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 256,888	\$ 5,163,214
Distributions:	\$ 0	\$ 5,076,742
Market Value:	\$ 3,087,431	\$ 3,087,431

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
25.16%	0.57	0.98	0.60	1.58

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Valedo Partner III AB	Diversified Financials	10,785	29.0%
Hampshire Trust Bank plc	Banks	9,865	26.5%
Kings Park Capital II A, L.P.	Diversified Financials	5,970	16.1%
ESSVP IV, L.P.	Diversified Financials	5,221	14.0%
Medinet Wales, Ltd.	Health Care Equipment & Services	3,165	8.5%
Specialist Journeys, Ltd.	Consumer Services	1,571	4.2%
Finma S.a.r.I	Real Estate	600	1.6%
Grand Total		37,177	100.0%

### INVESTMENT COMMENTARY

## LEVINE LEICHTMAN CAPITAL PARTNERS V, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2013	
Commitment Date:	December 1, 2013	
Commitment:	\$ 24,000,000	
Percent of Fund:	1.46%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 305,221	\$ 31,103,977
Distributions:	\$ 642,517	\$ 21,384,471
Market Value:	\$ 21,969,534	\$ 21,969,534

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
12.16%	1.30	0.69	0.71	1.39

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
GL Education Group, Ltd.	Software & Services	294,568	18.3%
Trinity Consultants, Inc.	Commercial & Professional Services	260,989	16.3%
Monte Nido & Affiliates	Health Care Equipment & Services	233,748	14.6%
Nothing Bundt Franchising LLC	Food & Staples Retailing	192,526	12.0%
Caring Brands International, Inc.	Health Care Equipment & Services	168,939	10.5%
Hand and Stone Franchise Corp.	Consumer Services	161,449	10.1%
Therapeutic Research Center LLC	Health Care Equipment & Services	133,572	8.3%
Smith System Driver Improvement Institute, Inc.	Commercial & Professional Services	98,474	6.1%
Genova Diagnostics, Inc.	Health Care Equipment & Services	61,308	3.8%
FASTSIGNS International, Inc.	Media & Entertainment	225	0.0%
Grand Total		1,605,798	100.0%

#### INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund invested \$4 million in three investments during the quarter. The largest investment was made in GL Education Group, Ltd. Overall, the portfolio's valuation increased by \$59 million.

## LEVINE LEICHTMAN CAPITAL PARTNERS VI, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2017	
Commitment Date:	January 1, 2017	
Commitment:	\$ 37,500,000	
Percent of Fund:	1.50%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 328,125	\$ 21,713,802
Distributions:	\$ 71,010	\$ 10,022,661
Market Value:	\$ 13,356,439	\$ 13,356,439

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
6.84%	0.58	0.46	0.62	1.08

### TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Law Business Research, Ltd.	Media & Entertainment	273,913	30.9%
Capsa Healthcare	Health Care Equipment & Services	207,511	23.4%
Club Champion LLC	Consumer Services	206,757	23.3%
Science Care, Inc.	Health Care Equipment & Services	198,801	22.4%
Grand Total		886,982	100.0%

### INVESTMENT COMMENTARY

The Fund is active in the investment phase. The Fund invested \$10 million in one investment during the quarter. The Fund realized a total of \$33.7 million in proceeds. The largest realization event was in Law Business Research, Ltd. Overall, the portfolio's valuation increased by \$77.8 million.

## MATLINPATTERSON GLOBAL OPPORTUNITIES PARTNERS

Partnership Details	
Sector:	Private Credit
Vintage Year:	2003
Commitment Date:	September 1, 2003
Commitment:	\$ 5,000,000
Percent of Fund:	0.31%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 5,202,608
Distributions:	\$ 0	\$ 9,146,247
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
29.80%	1.04	1.76	0.00	1.76

#### INVESTMENT COMMENTARY

# MATLINPATTERSON GLOBAL OPPORTUNITIES PARTNERS II

Partnership Details	
Sector:	Private Credit
Vintage Year:	2004
Commitment Date:	December 1, 2003
Commitment:	\$ 5,000,000
Percent of Fund:	0.41%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,406,690
Distributions:	\$ 0	\$ 4,155,762
Market Value:	\$ 146,895	\$ 146,895

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
(18.70%)	1.48	0.56	0.02	0.58

### INVESTMENT COMMENTARY

# MATLINPATTERSON GLOBAL OPPORTUNITIES PARTNERS III

Partnership Details	
Sector:	Private Credit
Vintage Year:	2007
Commitment Date:	May 1, 2007
Commitment:	\$ 5,000,000
Percent of Fund:	0.10%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 6,216,290
Distributions:	\$ 0	\$ 6,711,942
Market Value:	\$ 1,284,651	\$ 1,284,651

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
5.00%	1.24	1.08	0.21	1.29

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
FlagStar Bancorp.	Banks	794,271	71.6%
Oceanus LLC	Capital Goods	216,500	19.5%
Crescent Communities LLC	Real Estate	55,550	5.0%
Toe Holds - MatlinPatterson Global Opps. III	Diversified Financials	42,915	3.9%
Grand Total		1,109,237	100.0%

## **INVESTMENT COMMENTARY**

## MERIT MEZZANINE FUND IV, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2005
Commitment Date:	January 1, 2005
Commitment:	\$ 3,000,000
Percent of Fund:	0.66%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,807,143
Distributions:	\$ 0	\$ 5,544,742
Market Value:	\$ 21,795	\$ 21,795

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
11.52%	0.94	1.98	0.01	1.98

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
B.E.T.ER Mix, Inc.	Materials	1,000	36.4%
Active Minerals International LLC	Materials	773	28.2%
Digney York Associates LLC	Capital Goods	664	24.2%
Bluegrass Dairy and Food, Inc.	Food, Beverage & Tobacco	307	11.2%
Grand Total		2,745	100.0%

#### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund made no new investments during the quarter. The Fund realized a total of \$5 million in proceeds during the quarter.

## MHR INSTITUTIONAL PARTNERS III LP

Partnership Details	
Sector:	Private Credit
Vintage Year:	2006
Commitment Date:	December 1, 2005
Commitment:	\$ 4,000,000
Percent of Fund:	0.11%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 4,164,702
Distributions:	\$ 8,979	\$ 4,246,632
Market Value:	\$ 1,214,546	\$ 1,214,546

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
4.99%	1.04	1.02	0.29	1.31

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Navistar International Corp.	Capital Goods	433,536	40.3%
Loral Space & Communications	Media & Entertainment	245,663	22.8%
Lions Gate Entertainment	Media & Entertainment	244,495	22.7%
Planet Financial Group LLC	Banks	108,435	10.1%
Titan International, Inc.	Automobiles & Components	26,066	2.4%
Vion Holdings II LLC	Diversified Financials	16,423	1.5%
Other Realized Investments - MHR Instl Part III	Other	537	0.0%
MHR Archway Aviation	Capital Goods	494	0.0%
Grand Total		1,075,650	100.0%

## INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund made several small follow-on investments during the quarter, with the largest being Lions Gate Entertainment Corp. The Fund materially wrote up the value of Navistar International and wrote-down the value of Loral Space & Communications. During the quarter, the Fund made a final distribution of Key Energy Services.

## MIDDLEGROUND PARTNER I, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2019
Commitment Date:	May 24, 2019
Commitment:	\$ 25,000,000
Percent of Fund:	5.44%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 2,995,332	\$ 7,994,379
Distributions:	\$ 0	\$ 0
Market Value:	\$ 8,172,453	\$ 8,172,453

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
5.30%	0.32	0.00	1.02	1.02

## TOP 10 PORTFOLIO HOLDINGS (000's)

Grand Total		82,159	100.0%
Peterson American Corp.	Vaterials	22,590	27.5%
Alco Manufacturing Corp. LLC	Capital Goods	27,329	33.3%
Steel Craft Corp.	Capital Goods	32,240	39.2%
Company Name	Industry Group	Market Value	% Market Value

## INVESTMENT COMMENTARY

# MILL ROAD CAPITAL I, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2008	
Commitment Date:	February 1, 2008	
Commitment:	\$ 3,000,000	
Percent of Fund:	1.21%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,663,555
Distributions:	\$ 0	\$ 3,408,166
Market Value:	\$ 733,222	\$ 733,222

RATIOS A	AND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
8.40%	0.89	1.28	0.28	1.55

# TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Rubio's Restaurants, Inc.	Consumer Services	52,529	89.3%
Galaxy Nutritional Foods, Inc.	Food, Beverage & Tobacco	5,800	9.9%
AdGear Technologies, Inc.	Software & Services	469	0.8%
Grand Total		58,798	100.0%

## INVESTMENT COMMENTARY

# NEW MOUNTAIN PARTNERS II, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2005	
Commitment Date:	January 1, 2005	
Commitment:	\$ 5,000,000	
Percent of Fund:	0.35%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 4,624,236
Distributions:	\$ 0	\$ 8,819,376
Market Value:	\$ 53,646	\$ 53,646

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
13.61%	0.92	1.91	0.01	1.92

# TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Inmar, Inc.	Software & Services	11,563	63.3%
Bellerophon Therapeutics, Inc.	Health Care Equipment & Services	6,698	36.7%
Grand Total		18,260	100.0%

### INVESTMENT COMMENTARY

# NEW MOUNTAIN PARTNERS III, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2007	
Commitment Date:	May 1, 2007	
Commitment:	\$ 7,500,000	
Percent of Fund:	0.15%	

## CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 8,486,126
Distributions:	\$ 0	\$ 10,749,974
Market Value:	\$ 5,865,930	\$ 5,865,930

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
12.94%	1.13	1.27	0.69	1.96

# TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
JDA Software Group, Inc.	Software & Services	1,590,068	37.3%
Avantor Performance Materials, Inc.	Pharmaceuticals, Biotechnology & Life Sciences	1,221,501	28.6%
Western Dental Services, Inc.	Health Care Equipment & Services	571,760	13.4%
Nusil Technology LLC	Materials	346,496	8.1%
ABB Optical Group LLC	Health Care Equipment & Services	269,888	6.3%
Information Resources, Inc.	Software & Services	220,844	5.2%
Intermarine LLC	Transportation	45,147	1.1%
Grand Total		4,265,704	100.0%

### INVESTMENT COMMENTARY

## NEW MOUNTAIN PARTNERS IV, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2014	
Commitment Date:	January 1, 2014	
Commitment:	\$ 17,200,000	
Percent of Fund:	0.42%	

## CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 15,401,198
Distributions:	\$ 73,691	\$ 15,084,634
Market Value:	\$ 13,200,222	\$ 13,200,222

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
22.09%	0.90	0.98	0.86	1.84

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
TRC Cos., Inc.	Commercial & Professional Services	596,574	17.4%
CIOX Health	Health Care Equipment & Services	542,040	15.9%
Strategic Partners, Inc.	Consumer Durables & Apparel	437,737	12.8%
Alight Solutions	Software & Services	434,157	12.7%
Legends Hospitality LLC	Commercial & Professional Services	362,183	10.6%
Zep, Inc.	Household & Personal Products	225,473	6.6%
Topix Pharmaceuticals, Inc.	Household & Personal Products	224,525	6.6%
Diversified Foodservice Supply, Inc.	Retailing	189,522	5.5%
Gelest, Inc.	Materials	139,251	4.1%
Island Medical Management LLC	Health Care Equipment & Services	128,628	3.8%
Grand Total		3,280,089	95.9%

### INVESTMENT COMMENTARY

# OAK HILL CAPITAL PARTNERS II, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2005	
Commitment Date:	April 1, 2005	
Commitment:	\$ 7,500,000	
Percent of Fund:	0.30%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,490,330
Distributions:	\$ 0	\$ 12,413,044
Market Value:	\$ 95,129	\$ 95,129

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
9.80%	1.00	1.66	0.01	1.67

# TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Ability Reinsurance Holdings, Ltd.	Insurance	13,732	63.8%
Vertex Group	Software & Services	5,779	26.8%
Arconic, Inc.	Capital Goods	1,877	8.7%
Monsoon Commerce, Inc.	Software & Services	144	0.7%
Grand Total		21,532	100.0%

### **INVESTMENT COMMENTARY**

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$0.5 million.

## OAK HILL CAPITAL PARTNERS III, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2007	
Commitment Date:	October 1, 2007	
Commitment:	\$ 12,500,000	
Percent of Fund:	0.33%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 14,634,581
Distributions:	\$ 0	\$ 20,955,715
Market Value:	\$ 1,994,493	\$ 1,994,493

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
9.41%	1.17	1.43	0.14	1.57

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
CMN-RUS, Inc.	Telecommunication Services	324,206	49.1%
Pulsant, Ltd.	Software & Services	187,917	28.5%
Hillman Group, Inc., The	Capital Goods	125,000	18.9%
Arconic, Inc.	Capital Goods	13,611	2.1%
Oversee.net	Software & Services	9,000	1.4%
Grand Total		659,733	100.0%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$41.4 million.

## OCM OPPORTUNITIES FUND VII-B, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2008
Commitment Date:	April 1, 2007
Commitment:	\$ 7,500,000
Percent of Fund:	0.07%

## CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 6,750,000
Distributions:	\$ 0	\$ 11,537,677
Market Value:	\$ 136,072	\$ 136,072

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
16.52%	0.90	1.71	0.02	1.73

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Aleris, Inc.	Materials	174,816	87.6%
Vivarte SAS	Consumer Durables & Apparel	11,755	5.9%
Real Estate - OCM Opportunities Fund VIIb	Real Estate	8,362	4.2%
Elah Holdings, Inc.	Materials	3,273	1.6%
Magellan Homeloans UK, Ltd.	Banks	852	0.4%
Lehman Brothers, Inc.	Diversified Financials	387	0.2%
Verso Corp.	Materials	160	0.1%
Vistra Energy Corp.	Utilities	90	0.0%
Redwood Asset Management, Inc.	Diversified Financials	2	0.0%
Grand Total		199,698	100.1%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund did not make any investments during the quarter. The Fund realized a total of \$0.7 million in proceeds. Overall, the portfolio's valuation decreased by \$49.1 million.

## **RIVERSIDE CAPITAL APPRECIATION FUND VI, L.P.**

Partnership Details		
Sector:	Buyout	
Vintage Year:	2013	
Commitment Date:	December 1, 2012	
Commitment:	\$ 18,712,500	
Percent of Fund:	1.25%	

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 18,656,267
Distributions:	\$ 0	\$ 15,052,893
Market Value:	\$ 11,589,563	\$ 11,589,563

RATIOS A	ND PERF		ICE	
IRR pa	PIC	DPI	RVPI	TVPI
11.92%	1.00	0.81	0.62	1.43

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Momentum Textiles, Inc.	Consumer Durables & Apparel	229,109	23.6%
Area Wide Protective, Inc.	Commercial & Professional Services	221,456	22.8%
Arrowhead Electrical Products, Inc.	Capital Goods	143,178	14.7%
Be Green Packaging LLC	Materials	74,929	7.7%
Parker Products LLC	Food, Beverage & Tobacco	57,724	5.9%
Elite Sportswear, L.P.	Consumer Durables & Apparel	49,940	5.1%
Brookson, Ltd.	Commercial & Professional Services	37,116	3.8%
HMI Cardinal	Capital Goods	30,349	3.1%
Pro-Vigil, Inc.	Technology Hardware & Equipment	29,585	3.0%
Nustef Baking, Ltd.	Food, Beverage & Tobacco	27,094	2.8%
Grand Total		900,481	92.7%

# INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund invested \$18.3 million in three investments during the quarter. The largest investment was made in HMI Cardinal. The Fund distributed a total of approximately \$313 million in proceeds. Overall, the portfolio's valuation decreased by \$11.6 million.

# SECONDARY OPPORTUNITIES FUND III, L.P.

Partnership Details	
Sector:	Fund of Funds
Vintage Year:	2014
Commitment Date:	October 1, 2014
Commitment:	\$ 75,000,000
Percent of Fund:	4.53%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 63,351,283
Distributions:	\$ O	\$ 33,490,298
Market Value:	\$ 54,352,447	\$ 54,352,447

RATIOS A	ND PERF	ORMAN	ICE	
IRR pa	PIC	DPI	RVPI	TVPI
15.25%	0.84	0.53	0.86	1.39

# TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Argonne Capital Partners Parallel I, L.P.	Diversified Financials	242,617	15.9%
Enhanced Equity Fund III, L.P.	Diversified Financials	241,219	15.8%
Octopus Zenith Opportunities II A, L.P.	Diversified Financials	118,119	7.7%
Logix Communications, L.P.	Telecommunication Services	82,117	5.4%
Long Point Capital Fund III, L.P.	Diversified Financials	70,627	4.6%
Palamon European Equity IV, L.P.	Diversified Financials	66,017	4.3%
First Data Corp.	Software & Services	64,633	4.2%
PSC Investments, L.P.	Diversified Financials	48,521	3.2%
Palamon European Equity IV 'C', L.P.	Diversified Financials	42,551	2.8%
Foreign Currency - Secondary Opportunities Fund II	Diversified Financials	38,521	2.5%
Grand Total		1,014,941	66.4%

### **INVESTMENT COMMENTARY**

# STRATEGIC VALUE SPECIAL SITUATIONS FEEDER FUND IV, L.P.

Partnership Details		
Sector:	Special Situations	
Vintage Year:	2017	
Commitment Date:	March 1, 2018	
Commitment:	\$ 21,700,000	
Percent of Fund:	0.68%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,595,000
Distributions:	\$ 10,850	\$ 104,683
Market Value:	\$ 9,223,138	\$ 9,223,138

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
17.30%	0.35	0.01	1.21	1.23

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
NRG Energy, Inc.	Utilities	332,100	25.2%
Spanish Toll Roads	Transportation	163,800	12.4%
Vita Group	Materials	158,700	12.0%
Fred Olsen Energy ASA	Energy	140,100	10.6%
SH-130 Concession Co.	Transportation	118,800	9.0%
Pfleiderer Group SA	Materials	85,800	6.5%
White Energy Russell Facility	Other	76,800	5.8%
California Subrogation Claim	Diversified Financials	46,200	3.5%
Brisa - Auto-Estradas de Portugal S.A	Transportation	33,800	2.6%
Autema	Transportation	29,000	2.2%
Grand Total		1,185,100	89.8%

## INVESTMENT COMMENTARY

The Fund is active in the investment phase. The Fund invested \$77.4 million in 12 investments during the quarter. The largest investment was made in Auto-Estradas do Douro Litoral. The Fund realized a total of \$99.5 million in proceeds. The largest realization event was in GenOn Energy, Inc. Overall, the portfolio's valuation increased by \$141 million.

## SUN CAPITAL PARTNERS IV, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2005
Commitment Date:	April 1, 2005
Commitment:	\$ 2,000,000
Percent of Fund:	0.13%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 2,531,659
Distributions:	\$ 0	\$ 2,859,018
Market Value:	\$ 257,770	\$ 257,770

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
3.74%	1.27	1.13	0.10	1.23

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
HomeForm Group	Consumer Durables & Apparel	84,434	54.4%
Coveris Holdings S.A.	Materials	48,764	31.4%
Friendly's Ice Cream LLC	Consumer Services	13,941	9.0%
Boston Market Corp.	Consumer Services	7,554	4.9%
Manoir Industries	Materials	498	0.3%
Grand Total		155,191	100.0%

### INVESTMENT COMMENTARY

# Kentucky Retirement Systems - Insurance Trust Fund

March 31, 2020

# W Wilshire

### TCV VI, L.P.

Partnership Details	
Sector:	Venture Capital
Vintage Year:	2006
Commitment Date:	October 1, 2005
Commitment:	\$ 2,500,000
Percent of Fund:	0.18%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 2,488,250
Distributions:	\$ 88,584	\$ 3,641,409
Market Value:	\$ 337,726	\$ 337,726

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
12.65%	1.00	1.46	0.14	1.60

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Intelligent Beauty, Inc.	Retailing	134,408	34.6%
TechStyle, Inc.	Retailing	127,739	32.8%
TradingScreen, Inc.	Software & Services	67,641	17.4%
Electronic Arts, Inc.	Software & Services	59,119	15.2%
Grand Total		388,908	100.0%

### INVESTMENT COMMENTARY

The Fund completing the realization phase. From inception through December 31, 2019, the Fund has invested a total of \$1.2 billion across 21 portfolio companies. The Fund is returning 2.1x gross MOIC and 20% gross IRR. During Q4-2019, the Fund had a gross loss of \$93M (\$70M net loss), driven primarily by a decrease in the value of the Fund's holdings in Techstyle14 (\$99M gross loss). This was offset by an increase in the value of the Fund's public holdings in Electronic Arts (\$6M gross gain), reflective of changes in value in the public markets. Limited Partners have recently approved an amendment and extension of TCV VI's partnership term, resulting in a one-year extension of the Fund's term through March 27, 2021. According to the GP, an additional one-year extension may be approved by the TCV VI Advisory Committee. No management fees are currently being charged in connection with the management of the Fund, and no management fees will be charged during the extension period.

## TENASKA POWER FUND II, L.P.

Partnership Details	
Sector:	Real Assets
Vintage Year:	2008
Commitment Date:	June 1, 2008
Commitment:	\$ 3,000,000
Percent of Fund:	0.18%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 2,629,247
Distributions:	\$ 0	\$ 2,367,469
Market Value:	\$ 86,206	\$ 86,206

RATIOS A	ND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
(1.61%)	0.88	0.90	0.03	0.93

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
TPF II East Texas Holdings LLC	Energy	70,000	97.2%
US Power Generating Co.	Utilities	1,000	1.4%
New Covert Generating Co. LLC	Utilities	1,000	1.4%
Grand Total		72,000	100.0%

## INVESTMENT COMMENTARY

## TRITON FUND IV, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2013
Commitment Date:	April 1, 2013
Commitment:	\$ 15,597,196
Percent of Fund:	0.36%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 488,975	\$ 15,936,741
Distributions:	\$ 0	\$ 11,568,972
Market Value:	\$ 7,954,803	\$ 7,954,803

RATIOS A	ND PERF		ICE	
IRR pa	PIC	DPI	RVPI	TVPI
7.87%	1.02	0.73	0.50	1.23

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Werner International POC GmbH	Capital Goods	327,472	13.4%
Leadec, Ltd.	Capital Goods	237,155	9.7%
Arvos Group	Capital Goods	221,502	9.1%
FläktGroup	Capital Goods	211,448	8.7%
Flokk AS	Commercial & Professional Services	179,959	7.4%
Assemblin AB	Capital Goods	178,824	7.3%
Glamox AS	Capital Goods	164,099	6.7%
Ramudden	Commercial & Professional Services	161,757	6.6%
Unica Groep B.V.	Capital Goods	138,633	5.7%
Kelvion Holding GmbH	Capital Goods	134,071	5.5%
Grand Total		1,954,919	80.1%

## **INVESTMENT COMMENTARY**

The Fund is active in the realization phase. The Fund invested €122.9 million in 14 investments during the quarter. The largest investment was made in Kelvion Holding GmbH. The Fund realized a total of €76.6 million in proceeds. The largest realization event was in Assemblin AB. Overall, the portfolio's valuation increased by €80.6 million.

## VANTAGEPOINT VENTURE PARTNERS 2006, L.P.

Partnership Details		
Sector:	Venture Capital	
Vintage Year:	2006	
Commitment Date:	July 1, 2005	
Commitment:	\$ 3,000,000	
Percent of Fund:	0.30%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 3,000,000
Distributions:	\$ 100,306	\$ 425,395
Market Value:	\$ 704,383	\$ 704,383

D PERFC	DRMAN	CE	
PIC	DPI	RVPI	TVPI
1.00	0.14	0.23	0.38
	PIC	PIC DPI	

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
IntelePeer, Inc.	Telecommunication Services	66,393	25.39
Sanofi SA	Pharmaceuticals, Biotechnology & Life Sciences	38,789	14.8
Phreesia, Inc.	Health Care Equipment & Services	31,574	12.0
Vionx Energy Corp.	Capital Goods	25,561	9.7
VeriSilicon, Inc.	Semiconductors & Semiconductor Equipment	20,681	7.9
Amprius, Inc.	Capital Goods	18,173	6.9
Pica8, Inc.	Software & Services	13,587	5.2
Ostara Nutrient Recovery Technologies, Inc.	Capital Goods	9,049	3.4
Tianjin Zhongke BlueWhale Information Technology	Software & Services	7,497	2.9
PulsePoint, Inc.	Software & Services	7,205	2.7
Grand Total		238,509	90.9

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund made several small follow-on investments during the quarter. The Fund did not realize any significant proceeds during the quarter. Overall, the portfolio's valuation decreased by \$14.8 million.

## VANTAGEPOINT VENTURE PARTNERS IV, L.P.

Partnership Details		
Sector:	Venture Capital	
Vintage Year:	2003	
Commitment Date:	May 1, 2003	
Commitment:	\$ 4,000,000	
Percent of Fund:	0.29%	

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 3,040,000
Distributions:	\$ 0	\$ 3,510,065
Market Value:	\$ 223,715	\$ 223,715

RATIOS A	AND PERF	ORMAN	CE	
IRR pa	PIC	DPI	RVPI	TVPI
3.52%	0.76	1.15	0.07	1.23

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
GAIN Capital Holdings, Inc.	Diversified Financials	25,979	38.8%
Solar Century Holdings, Ltd.	Semiconductors & Semiconductor Equipment	19,285	28.8%
PulsePoint, Inc.	Software & Services	9,987	14.9%
Talix, Inc.	Health Care Equipment & Services	9,109	13.6%
Fletcher Spaght Ventures, L.P.	Diversified Financials	1,864	2.8%
BrightSource Energy, Inc.	Capital Goods	798	1.2%
Grand Total		67,022	100.0%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. Gain Capital Holdings announced that it entered into an agreement to be acquired in an all-cash transaction valued at \$6.00 per share which is a 50% premium to the December 31, 2019 closing price and expects to close in mid-2020. Overall, the Fund's portfolio decreased by \$7.1 million during the quarter.

# VISTA EQUITY PARTNERS III, L.P.

Partnership Details		
Sector:	Buyout	
Vintage Year:	2008	
Commitment Date:	May 1, 2008	
Commitment:	\$ 5,000,000	
Percent of Fund:	0.44%	

## CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception	
Invested Capital:	\$ 2,489	\$ 5,215,528	
Distributions:	\$ 0	\$ 12,741,723	
Market Value:	\$ 472,569	\$ 472,569	

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
28.53%	1.04	2.44	0.09	2.53

TOP 10 PORTFOLIO	HOLDINGS (000's)		
Company Name	Industry Group	Market Value	% Market Value
ACTIVE Network LLC	Software & Services	124,391	100.0%
Grand Total		124,391	100.0%

### INVESTMENT COMMENTARY

# VISTA EQUITY PARTNERS IV, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2011
Commitment Date:	August 1, 2011
Commitment:	\$ 23,000,000
Percent of Fund:	0.85%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 82,032	\$ 23,538,282
Distributions:	\$ 0	\$ 29,987,737
Market Value:	\$ 15,248,895	\$ 15,248,895

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
16.12%	1.02	1.27	0.65	1.92

### INVESTMENT COMMENTARY

## VISTA EQUITY PARTNERS VI, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2016
Commitment Date:	March 1, 2016
Commitment:	\$ 25,000,000
Percent of Fund:	0.36%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 128,586	\$ 29,661,923
Distributions:	\$ O	\$ 8,871,416
Market Value:	\$ 30,953,806	\$ 30,953,806

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
14.79%	1.19	0.30	1.04	1.34

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Cvent, Inc.	Software & Services	1,080,573	11.1%
Ping Identity Corp.	Software & Services	907,796	9.4%
Turaz Global SARL	Software & Services	834,389	8.6%
Apptio, Inc.	Software & Services	758,041	7.8%
Infoblox, Inc.	Software & Services	748,575	7.7%
PowerSchool Group LLC	Consumer Services	640,053	6.6%
Datto, Inc.	Technology Hardware & Equipment	595,214	6.1%
Jamf Software LLC	Software & Services	576,698	6.0%
EAB Global, Inc.	Commercial & Professional Services	520,890	5.4%
Vertafore, Inc.	Software & Services	476,653	4.9%
Grand Total		7,138,881	73.7%

### INVESTMENT COMMENTARY

## WARBURG PINCUS PRIVATE EQUITY IX, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2005
Commitment Date:	April 1, 2005
Commitment:	\$ 10,000,000
Percent of Fund:	0.13%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 10,000,000
Distributions:	\$ 0	\$ 16,909,051
Market Value:	\$ 461,397	\$ 461,397

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
9.72%	1.00	1.69	0.05	1.74

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Gangavaram Port, Ltd.	Transportation	360,000	81.6%
Aryan Coal Benefications Pvt. Ltd.	Energy	35,000	7.9%
Laredo Petroleum, Inc.	Energy	28,029	6.4%
Titan Petrochemicals Group, Ltd.	Energy	18,000	4.1%
Grand Total		441,029	100.0%

#### INVESTMENT COMMENTARY

## WARBURG PINCUS PRIVATE EQUITY X, L.P.

Partnership Details	
Sector:	Buyout
Vintage Year:	2007
Commitment Date:	October 1, 2007
Commitment:	\$ 7,500,000
Percent of Fund:	0.05%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 7,441,208
Distributions:	\$ 338,263	\$ 10,880,276
Market Value:	\$ 1,821,256	\$ 1,821,256

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
9.00%	0.99	1.46	0.24	1.71

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
CrowdStrike, Inc.	Software & Services	2,002,595	40.2%
Dongjiu	Real Estate	875,782	17.6%
e-Shang Redwood Group	Real Estate	688,638	13.8%
Silk Road Medical, Inc.	Health Care Equipment & Services	231,103	4.6%
Endurance International Group Holdings, Inc.	Software & Services	182,117	3.7%
AU Small Finance Bank, Ltd.	Banks	174,926	3.5%
Quikr India Pvt. Ltd.	Software & Services	145,350	2.9%
Outset Medical, Inc.	Health Care Equipment & Services	145,156	2.9%
Laredo Petroleum, Inc.	Energy	115,797	2.3%
Black Swan Energy, Ltd.	Energy	115,311	2.3%
Grand Total		4,676,775	93.9%

### INVESTMENT COMMENTARY

The Fund is completing the realization phase. The Fund invested \$11.9 million in one investment during the quarter. The Fund realized a total of \$1.89 billion in proceeds. Overall, the portfolio's valuation decreased by approximately \$76 million.

## WAYZATA OPPORTUNITIES FUND II, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2007
Commitment Date:	November 1, 2007
Commitment:	\$ 7,500,000
Percent of Fund:	0.22%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ 0	\$ 8,737,500
Distributions:	\$ 0	\$ 16,355,748
Market Value:	\$ 113,786	\$ 113,786

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
16.49%	1.17	1.87	0.01	1.88

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Midgard Shipping	Transportation	14,619	27.7%
Toehold - WOF II, L.P.	Diversified Financials	10,135	19.2%
Lazy Days RV Center, Inc.	Retailing	9,059	17.2%
Elyria Foundry, Inc.	Materials	8,431	16.0%
Propex	Consumer Durables & Apparel	7,175	13.6%
Distressed Real Estate-Retail- WOF II, L.P.	Real Estate	3,588	6.8%
Perkins & Marie Callender's LLC	Consumer Services	90	0.2%
Grand Total		53,096	100.7%

### INVESTMENT COMMENTARY

## WAYZATA OPPORTUNITIES FUND III, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2013
Commitment Date:	June 1, 2012
Commitment:	\$ 18,712,500
Percent of Fund:	0.70%

#### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 9,163,277
Distributions:	\$ 182,507	\$ 5,502,334
Market Value:	\$ 3,090,919	\$ 3,090,919

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
(2.00%)	0.49	0.60	0.34	0.94

## TOP 10 PORTFOLIO HOLDINGS (000's)

Company Name	Industry Group	Market Value	% Market Value
Sea Transportation - WOF II	Transportation	213,758	50.9%
Real Estate - Wayzata Opportunities Fund III, L.P.	Real Estate	73,509	17.5%
Bank Loans - Wayzata Opportunities Fund III, L.P.	Diversified Financials	58,955	14.0%
Avaya, Inc.	Software & Services	29,359	7.0%
High Yield Bonds	Diversified Financials	14,779	3.5%
Oil and Gas Services - WOF III	Energy	12,266	2.9%
Chemical - WOF II	Materials	8,086	1.9%
Waste Management- WOF II	Commercial & Professional Services	6,207	1.5%
Aero and Defense-Wayzata Opportunities Fund III LP	Capital Goods	2,967	0.7%
Finances - WOF II	Other	50	0.0%
Grand Total		419,937	100.0%

## INVESTMENT COMMENTARY

The Fund is active in the realization phase. The Fund did not make any investments during the quarter. The Fund did not generate any proceeds from the portfolio. Overall, the portfolio's valuation decreased by \$19.6 million.

## WAYZATA OPPORTUNITIES FUND, L.P.

Partnership Details	
Sector:	Private Credit
Vintage Year:	2005
Commitment Date:	October 1, 2005
Commitment:	\$ 7,500,000
Percent of Fund:	0.61%

### CAPITAL ACCOUNT SUMMARY

	Current Quarter Activity	Since Inception
Invested Capital:	\$ O	\$ 11,036,189
Distributions:	\$ 0	\$ 15,807,579
Market Value:	\$ 0	\$ 0

RATIOS AND PERFORMANCE				
IRR pa	PIC	DPI	RVPI	TVPI
8.42%	1.47	1.43	0.00	1.43

### INVESTMENT COMMENTARY

The Fund has been liquidated.