

MANHATTAN ASSOCIATES INC

Form 10-K

February 22, 2013

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2012

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number: 000-23999

Manhattan Associates, Inc.

(Exact name of registrant as specified in its charter)

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Georgia
(State or other jurisdiction of

58-2373424
(I.R.S. Employer

incorporation or organization)

Identification No.)

2300 Windy Ridge Parkway, Tenth Floor

Atlanta, Georgia
(Address of principal executive offices)

30339
(Zip Code)

Registrant s telephone number, including area code: (770) 955-7070

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Common Stock, \$.01 par value per share	The Nasdaq Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the Registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the Registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act. Yes No

Note Checking the box above will not relieve any registrant required to file reports pursuant to Section 13 or 15(d) of the Exchange Act from their obligations under those Sections.

Indicate by check mark whether the Registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of Registrant s knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

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Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the voting and non-voting common equity held by non-affiliates of the Registrant as of June 30, 2012 was \$915,229,892, which was calculated based upon a closing sales price of \$45.71 per share of the Common Stock as reported by the Nasdaq Global Select Market on the same day. As of February 15, 2013, the Registrant had outstanding 19,631,514 shares of Common Stock.

DOCUMENTS INCORPORATED BY REFERENCE

The Registrant's definitive Proxy Statement for the Annual Meeting of Shareholders to be held May 16, 2013 is incorporated by reference in Part III of this Form 10-K to the extent stated herein.

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MANHATTAN ASSOCIATES, INC.

Annual Report on Form 10-K

For the Fiscal Year Ended December 31, 2012

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Forward-Looking Statements

In addition to historical information, this Annual Report may contain forward-looking statements relating to Manhattan Associates, Inc. Investor and prospective investors are cautioned that any such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, and that actual results may differ materially from those contemplated by such forward-looking statements. Among the important factors that could cause actual results to differ materially from those indicated by such forward-looking statements are delays in product development, undetected software errors, technical difficulties, availability of technical personnel, changes in customer requirements, competitive pressures, market acceptance, the impact of acquisitions, and general economic conditions. Additional factors are set forth in the *Risk Factors* in Part I, Item 1A of this Annual Report. We undertake no obligation to update or revise forward-looking statements to reflect changed assumptions, the occurrence of unanticipated events or changes in future operating results. Our Annual Report on Form 10-K is available through our website at www.manh.com.

PART I

Item 1. Business

Overview

We were founded in 1990 in Manhattan Beach, California and incorporated in Georgia in 1998. References in this filing to the Company, Manhattan, Manhattan Associates, we, our, and us refer to Manhattan Associates, Inc., our predecessors, and our wholly-owned and consolidated subsidiaries. Our principal executive offices are located at 2300 Windy Ridge Parkway, Tenth Floor, Atlanta, Georgia 30339, and our telephone number is 770-955-7070.

We develop, sell, deploy, service, and maintain supply chain commerce software solutions for retailers, wholesalers, manufacturers, governments, and other organizations. Our customers include many of the world's largest and most profitable retailers. Manhattan Associates supply chain commerce solutions are at the leading edge of the omni-channel commerce revolution, as they are positioned to deliver critical business capabilities that seamlessly connect every order and delivery channel across the customer's entire enterprise. Key benefits of implementing our solutions include:

Solving the complexity of operating profitably in an omni-channel world (stores, websites, mobile devices, catalogs, call centers) by forecasting demand, controlling inventory, enabling buy everywhere, deliver anywhere shipping, and managing bottom line costs through inventory, labor, and asset optimization;

Opening new revenue opportunities by saving the sale on the store floor through network-wide inventory visibility and capturing greater gross margins by optimizing demand fulfillment and total cost of ownership;

Coordinating workflows and communications with the participants in the supply chain ecosystem, including suppliers, manufacturers, distributors, customers, and transportation providers;

Balancing transportation and inventory costs with desired service levels across all channels;

Increasing productivity and asset utilization in distribution centers, transportation networks, and delivery channels, including retail stores, to capture more customer revenue and improve return on supply chain investments, including storage, labor, inventory, and transportation investments;

Improving compliance with customer requirements, including radio frequency identification (RFID) and electronic product code (EPC) requirements; and

Accelerating eco-friendliness through green initiatives such as reducing carbon footprints and greenhouse gas emissions and improving reuse and recycling.

We believe that a platform-based approach is the best way to optimize an organization's supply chain, as well as its entire supply chain ecosystem (every enterprise that interacts with the supply chain). Supply chain ecosystems encompass disparate functions within an organization that affect its supply chain (such as distribution, transportation, order lifecycle management, inventory optimization, and planning and forecasting) as well as interactions with entities outside the organization that are integral to its supply chain, including manufacturers, suppliers, distributors, trading partners, transportation providers, channels (such as catalogers, store retailers, call centers, mobile devices and web outlets) and consumers.

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We deliver these benefits in a distinctive way through a set of supply-chain-centered capabilities we call Manhattan MORE®: Manhattan's Optimized Roadmap to Excellence (See Figure 1). These elements work together to coordinate insights, people, workflows, assets, events, and tasks across supply chain functions from planning through execution. They also help to coordinate actions, data exchange, and communication among participants in supply chain ecosystems.

The Omni Channel Revolution For Retail and Beyond

For decades, the supply chain had been dominated by a focus on operating efficiency and cost management. Over the past 20 years, Manhattan Associates has built a foundation and world-class reputation for building technology solutions to solve the most complex and business critical supply chain problems. The consumerization of technology and emergence of on-line commerce have prompted a revolution that demands new supply chain capabilities and new supply chain commerce solutions. Today, effective supply chain management is as much about revenue generation as it is about cost reduction. While the earliest signals of the omni-channel revolution were seen in retail, we believe that virtually every industry around the world will be impacted in one way or another. Manufacturers, wholesalers, and third party logistics providers all feel the impact of converging channels.

For almost every retailer, the omni-channel revolution has sparked an outright land grab for market share. Switching costs for the average consumer have dropped radically, as virtually every major retailer operates on-line storefronts as well as physical, brick and mortar locations, placing customer loyalty in jeopardy. Retailers know that in order to keep customers they must be able to deliver a consistent shopping experience across every channel and at a cost that is competitive. As the multi-channel business model has evolved, competitors have realized that winning requires more than a great website. Winning requires an integrated business model that functions seamlessly across every channel and delivers a consistent experience at a cost structure that can deliver a profit.

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Manhattan Associates is leading the industry through this radical change with its platform-based solutions that connect supply chain solutions with commerce chain solutions.

Manhattan Associates Software Solution Portfolios

Our supply chain commerce software solution portfolios Manhattan SCOPE[®] and Manhattan SCALE[™] are designed to leverage our platform investments to deliver both the profitability benefits typically associated with supply chain improvements and top line revenue gains created by commerce initiatives. Manhattan SCOPE (Supply Chain Optimization, Planning through Execution, depicted in Figure 2) leverages our Supply Chain Process Platform[™] (SCPP, depicted in Figure 3) to bring together the supply and commerce chains; Manhattan SCALE (Supply Chain Architected for Logistics Execution, depicted in Figure 4) leverages Microsoft's .NET platform to unify logistics functions.

Our solutions operate across Unix, IBM System i, Linux and Microsoft.NET computing platforms, as well as on multiple hardware platforms and systems. Because supply chain solutions necessarily interact with other business operation systems, our solutions are designed to interoperate with software from other providers as well as with a company's existing legacy systems. This interfacing and open system capability enables customers to continue using existing computer resources and to choose among a wide variety of existing and emerging computer hardware and peripheral technologies. We provide an integration framework to facilitate rapid and reliable integration to any Enterprise Resource Planning (ERP) or host business systems (including certified integration to both SAP and Microsoft Dynamics AX). We also offer certain of our solutions in both on-premise software and cloud computing models so that customers can select the option that best meets their requirements for control, flexibility, cost of ownership, and time-to-deployment.

Manhattan SCOPE[®]

SCOPE is positioned for companies that consider supply chain software, processes, and technology strategic to their market leadership. It is the leading portfolio of supply chain commerce solutions built on a common technology platform. SCOPE is distinctive for several reasons. First, it clearly defines the role and capabilities for supply chain and commerce chain solutions. Second, it articulates the convergence of supply chain and commerce chain, particularly in the areas of Distribution Management and Order Lifecycle Management. Finally, it highlights the central value of a supply chain platform by elevating visibility and insight above all of the functional capabilities.

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Visibility and Insight

SCOPE offers a series of solutions designed to provide both network wide visibility as well as analytical insight into all functions across the supply chain. These solutions include Supply Chain Visibility™ and Event Management™, which are designed to provide global inventory and order visibility along with predictive alerting to critical events in the supply chain. Also included is Total Cost to Serve™, a financial analytics tool created to provide supply chain executives insight into granular level of cost detail from purchase to final delivery. This level of information, along with simulation and predictive tools, enables executives and analysts to better monetize their supply chain, driving revenue and profitability while enhancing customer service levels. Finally, Visibility and Insights™ also includes Supply Chain Intelligence™, Manhattan's operational reporting and analytics solution.

Supply Chain Solution Suites

Inventory Optimization™ enables enterprises to reduce overall network inventory to release working capital while improving sales and customer order fill rates. Inventory Optimization also provides analytical tools to better balance the financial trade-off between improving customer service levels and overall inventory investments. Our multi-echelon, all-channel solution helps organizations manage distribution networks with more than one type or level of distribution center between suppliers and various endpoints. Vendor Managed Inventory™ helps formulate tighter, lasting relationships with key trading partners, such as replenishing products into customers' locations or sharing key supply chain performance indicators.

Transportation Lifecycle Management™ optimizes all aspects of transporting product through supply chains, from procurement through delivery. The system helps companies manage assets, timing, accuracy, and costs for both inbound and outbound shipments, and across private and contracted fleets. The solution also interconnects transportation partners and suppliers to improve visibility to initial and changing requirements as well as to improve delivery and billing accuracy.

Distribution Management™ is designed to effectively manage the key assets required to run complex distribution operations, and to move goods and information through a warehouse with precision and velocity. The suite enables (among other processes) knowing what inventory will be arriving at a distribution center; receiving, putting away and shipping inventory, and managing distribution-related labor.

Commerce Chain Solution Suites

Order Lifecycle Management™ is the heart of the omni-channel enterprise. This solution set leverages network wide inventory and uses a single view of customer demand in order to drive new revenue and maximize profitability. Highlights include the ability to use store inventory to fulfill on-line orders and to use inventory across the entire network to save in-store sales. Advanced algorithms can identify either the most distressed inventory or the lowest fulfillment costs to maximize profit margins. For retailers, in-store, mobile, and call center capabilities enable their associates to locate and sell items from across their supply chain network to meet real-time customer demand.

Store Inventory and Fulfillment™ brings execution tools to the store floor to enable omni-channel initiatives. Store Inventory Management provides inventory receiving and auditing tools to help store associates build inventory integrity. Store Order Fulfillment includes a series of tools to support pick-up in and fulfill from the store. These components provide critical capabilities to enable omni-channel initiatives.

Planning™ supports all levels of enterprise merchandise planning, from strategic level planning down to assortment and key item planning. Customer Preference Planning™ capabilities use multivariable shopper preference data to create merchandise, pricing and promotion plans tuned to how customers think when shopping and buying across multiple channels (including stores, catalogs, the web, mobile devices and call centers) so retailers understand relationships among product type, style, brand, color, fabrication, and price when their customers make decisions to buy.

Supply Chain Process Platform

At the foundation of Manhattan SCOPE is our Supply Chain Process Platform (SCPP), which utilizes a service-oriented architecture (SOA), common data model, collaborative gateways, and an optimization engine (among other constructs) to facilitate supply chain transformations that help our customers create and sustain competitive advantages. Specific elements of Manhattan's SCPP, along with related core benefits, are detailed in Figure 3.

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Among its overall benefits, our SCPP enables customers using multiple Manhattan SCOPE applications to achieve Cross-Application Optimization™. Cross-Application Optimization is our term for the compound benefits derived not only from optimizing multiple functional supply chain elements *individually*, but also *collectively* by considering factors across multiple functions in a supply chain (*e.g.*, warehouse management, transportation, inventory, and labor) simultaneously, so that their individual and related impacts inform each decision to determine the optimal course of action for the organization as a whole. Our SCPP's common architecture also enables customers to speed implementations, simplify upgrades, and achieve lower total cost of ownership over time.

Manhattan SCALE™

SCALE is our portfolio of logistics execution solutions built on the Microsoft®.NET platform. It is targeted toward companies with execution-focused supply chain needs that require speed-to-value, resource-light system configuration and maintenance, and the ability to quickly scale their logistics operations up or down in response to market fluctuations or business requirement changes. SCALE combines the features of Trading Partner Management, Yard Management, Optimization, Warehouse Management, and Transportation Execution, as shown in Figure 4.

Because SCALE leverages a common platform, solutions share common data elements, and each user can access all applications through a single sign-on. Users also can set up dashboards that enable easy access to real-time information most relevant to their jobs. SCALE's ease of deployment, operation, and support make it a popular choice for organizations operating in countries with emerging and developing economies, and where technical support resources are limited.

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Professional Services

We advise and assist our customers in planning and implementing our solutions through our global Professional Services Organization. To ensure long-term successful customer relationships, consultants assist customers with the initial deployment of our systems, the conversion and transfer of the customer's historical data onto our systems, and ongoing training, education, and system upgrades. We believe our Professional Services teams enable customers to implement our solutions knowledgeably and in the appropriate amount of time, help customers achieve expected results from system investments, continuously identify new opportunities for supply chain advancements, and meaningfully add to our industry-specific knowledge base to improve future implementations and product innovations.

Substantially all of our customers use at least some portion of our Professional Services to implement and support our software solutions. Professional Services typically are rendered under time and materials contracts, with services billed by the hour. Professional Services sometimes are rendered under fixed-fee contracts, with payments due on specific dates or milestones. We believe that increased sales of our software solutions will drive higher demand for our Professional Services.

We believe our Professional Services team delivers deep supply chain domain expertise to our customers through industry-specific best-practices protocols and processes developed through the collective knowledge we have gained in more than 3,900 installations worldwide. We also extensively train our consulting personnel on supply chain operations and on our solutions.

Business consultants, systems analysts, and technical personnel assist customers in all phases of implementing our systems, including planning and design, customer-specific module configuration, on-site implementation, or conversion from existing systems, and integration with customer systems such as Enterprise Resource Planning (ERP), web- and mobile-based commerce platforms, and Material Handling Equipment (MHE) systems. At times, third-party consultants, such as those from major systems integrators, assist our customers with certain implementations.

Customer Support Services and Software Enhancements

We offer a comprehensive program that provides our customers with software upgrades for additional or improved functionality and technological advances incorporating emerging supply chain and industry initiatives. Over the past three years, our annual renewal rate of customers subscribing to comprehensive support and enhancements has been greater than 90%. We are able to remotely access customer systems to perform diagnostics, provide on-line assistance, and facilitate software upgrades. We offer 24 hour customer support every day of the year, plus software upgrades for an annual fee that is paid in advance and is based on the solutions the customer has and the service level required. Software upgrades are provided under this program on a when-and-if- available basis.

Training

We offer training in a structured environment for new and existing users. Training programs are provided at fixed fees per-person, per-class, and cover topics such as (but not limited to) solution use, configuration, implementation, and system administration. Several computer-based training programs can be purchased for a fixed fee for use at client sites.

Hardware Sales

Along with software licenses, and as a convenience for our customers, we sell a variety of hardware developed and manufactured by others, including (but are not limited to) computer hardware, radio frequency terminal networks, RFID chip readers, bar code printers and scanners, and other peripherals. We resell all third-party hardware products and related maintenance pursuant to agreements with manufacturers or through distributor-authorized reseller agreements pursuant to which we are entitled to purchase hardware products and services at discount prices and to receive technical support in connection with product installations and any subsequent product malfunctions. We do not maintain hardware inventory as we generally purchase hardware from vendors only after receiving related customer orders.

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Our objective is to extend our position as the leading global supply chain solutions provider for supply chain leaders, meaning organizations intent on creating and sustaining market advantages by leveraging supply chain solutions. Our solutions help global distributors, wholesalers, retailers, logistics providers and manufacturers successfully manage accelerating and fluctuating market demands, as well as master the increasing complexity and volatility of their local and global supply chains. We believe our solutions are advanced, highly functional, and highly scalable. They are designed to enable organizations to: create customer experiences consistent with their brand values; improve relationships with suppliers, customers and logistics providers; leverage investments across supply chain functions; effectively generate revenue and manage costs; and meet dynamically changing customer requirements. We believe our solutions are uniquely positioned to holistically optimize supply chains from planning through execution, and that customers can leverage this holistic approach to create operational and market advantages. Strategies to accomplish our objectives include (but are not limited to) the following:

Develop and Enhance Software Solutions. We intend to continue to focus our research and development resources on enhancing our supply chain solutions. We offer what we believe to be the broadest and most richly-featured software portfolio in the supply chain solutions marketplace. To continuously expand functionality and value, we plan to continue to provide enhancements to existing solutions and to introduce new solutions to address evolving industry standards and market needs. We identify these opportunities through our Product Management, Professional Services, Customer Support, and Account Management organizations, through interactions such as ongoing customer consulting engagements and implementations, sessions with our solution user groups, association with leading industry analyst and market research firms, and participation on industry standards and research committees. Our solutions address needs in various vertical markets, including retail, consumer goods, food and grocery, logistics service providers, industrial and wholesale, high technology and electronics, life sciences and government. We intend to continue to enhance our solutions to meet the dynamic requirements of these and new vertical markets as business opportunities dictate.

Expand International Presence. We believe that our solutions offer significant benefits to customers in markets outside the United States, and for organizations with global operations. Approximately 1,270 out of a total of approximately 2,400 Manhattan employees work outside the United States to build international sales, service our international clients, and further develop our solutions. We have offices in Australia, China, France, India, Japan, the Netherlands, Singapore, and the United Kingdom, as well as representatives in Mexico and reseller partnerships in Latin America, Eastern Europe, the Middle East, South Africa, and Asia. Our Europe, Middle East, and Africa (EMEA) operations support sales, implementation services, and customer support functions for customers in Europe as well as a number of customers across the Middle East, concentrated in countries we consider politically and economically stable, such as Jordan, Kuwait, Oman, Turkey, Saudi Arabia, and the United Arab Emirates. Our Asia Pacific (APAC) operations service emerging opportunities in China, Southeast Asia, and India, as well as more established markets in Australia and New Zealand. Our international strategy includes leveraging the strength of our relationships with current U.S. and Europe-based customers that also have significant international operations, and pursuing strategic marketing partnerships with international systems integrators and third-party solution providers.

Expand Our Strategic Alliances and Indirect Sales Channels. We currently sell our products primarily through our direct sales personnel, and through partnership agreements with a select number of organizations in emerging markets where we do not currently have a direct sales presence. We have worked on joint projects and joint sales initiatives with industry-leading consultants and software systems implementers, including most of the large consulting firms and other systems consulting firms specializing in our targeted industries, to supplement our direct sales force and professional services organization. We have been expanding our indirect sales channels through reseller agreements, marketing agreements, and agreements with third-party logistics providers. These alliances extend our market coverage and provide us with new business leads and access to trained implementation personnel.

Acquire or Invest in Complementary Businesses. We continuously evaluate strategic acquisition opportunities of technologies, solutions, and businesses that are consistent with our platform-based strategy and enable us to enhance and expand our supply chain planning and execution solutions and service offerings. Preferred acquisition targets are those that would be complementary to our existing solutions and technologies, expand our geographic presence and distribution channels, extend our presence into additional vertical markets with challenges and requirements similar to those we currently serve, and further solidify our leadership position within the primary components of supply chain planning and execution.

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Sales and Marketing

We employ multi-disciplinary sales teams that consist of professionals with industry experience in sales and technical sales support. To date, we have generated the majority of our software sales (licensing) revenue through our direct sales force. We plan to continue to invest in our sales, services, and marketing organizations within the United States, EMEA, and APAC, and to pursue strategic marketing partnerships. We conduct comprehensive global marketing programs that include prospect profiling and targeting, lead generation, public relations, analyst relations, trade show attendance and sponsorships, supply chain conference hosting, online marketing, joint promotion programs with vendors and consultants, and ongoing customer communication programs.

Our sales cycle typically begins with the generation of a sales lead through in-house telemarketing efforts, targeted promotions, web inquiries, trade show presence, speaking engagements, hosted seminars, or other means of referral or the receipt of a request for proposal from a prospective customer. Leads are qualified and opportunities are closed through a process that includes telephone-based assessments of requirements; responses to requests for proposals, presentations and product demonstrations, site visits and/or reference calls with organizations already using our supply chain solutions, and contract negotiations. Sales cycles vary substantially from opportunity to opportunity, but typically require six to twelve months.

In addition to new customer sales, we plan to continue to leverage our existing customer base to drive revenue from system upgrades, sales of additional licenses of purchased solutions, and sales of new or add-on solutions. To efficiently penetrate emerging global markets, we leverage indirect sales channels, including sales through reseller agreements, marketing agreements, and agreements with third-party logistics providers. To extend our market coverage, generate new business leads, and provide access to trained implementation personnel, we leverage strategic alliances with systems integrators skilled at implementing our solutions. Business referrals and leads are positively influenced by systems integrators, which include most of the large consulting firms and other systems consulting firms specializing in our targeted industries.

Our Manhattan Value Partner (Manhattan MVP) and Manhattan GeoPartner programs foster joint sales and marketing with other organizations. Manhattan Value Partners are proven software and hardware providers, trusted third-party integrators and consultants who bring added value to customer engagements through vertical industry knowledge or technical specialization. Manhattan MVPs support and complement our supply chain solutions so we can provide customers with a comprehensive approach that is suited to their business requirements. This collaborative program is designed to benefit both Manhattan and our partners through tailored joint marketing, sales and, in some cases, co-development efforts. Among others, Manhattan MVPs include IBM, Deloitte, Kurt Salmon, Microsoft, and Motorola. Manhattan GeoPartners represent a select group of companies that sell and implement our solutions in specific geographies around the world, each providing valuable localized expertise to meet customer needs in areas such as Western Europe, Eastern Europe, Russia, the Middle East, Latin America, Africa, and the Asia Pacific region.

Customers

To date, our customers have been suppliers, manufacturers, distributors, retailers, and logistics providers in a variety of industries. Our top five customers (new or pre-existing) in the aggregate accounted for 12%, 15%, and 10% of total revenue for the years ended December 31, 2012, 2011, and 2010, respectively. No single customer accounted for more than 10% of our total revenue in 2012, 2011, or 2010.

Product Development

We focus our development efforts on adding new functionality to existing solutions, integrating our various solution offerings, enhancing the operability of our solutions across our Supply Chain Process Platform and across distributed and alternative hardware platforms, operating systems, and database systems, and developing new solutions. We believe that our future success depends, in part, on our ability to continue to enhance existing solutions, to respond to dynamically changing customer requirements, and to develop new or enhanced solutions that incorporate new technological developments and emerging supply chain and industry standards. To that end, development frequently focuses on base system enhancements and incorporating new user requirements and features into our solutions. As a result, we deliver packaged, highly configurable solutions with increasingly rich functionality rather than custom-developed software. We also deliver interface toolkits for many major ERP systems to enhance communication and improve data flows between our core solutions and our clients' host systems.

We leverage internal and external scientific advisors to inform our solution strategies and research and development approaches with the most advanced thinking on supply chain opportunities, challenges, and technologies. Our internal research team is comprised of Ph.D.-credentialed math and science experts who work on creating and solving algorithms and other constructs that advance the optimization capabilities and other aspects of our solutions. Our external Science Advisory Board unites the thinking of experts from leading educational institutions known for their supply chain disciplines, and practitioners from organizations deploying supply chain technology in innovative and market-advancing ways. Together, our Research Team and Science Advisory Board inform both the practical business approaches and the mathematical and

scientific inventiveness of our solutions.

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We conduct most development internally in the U.S. and India to retain development knowledge and promote programming standards continuity. However, we may periodically outsource some projects that can be performed separately and/or that require special skills. We also use third-party research and development companies for translation to localize our products into Chinese, French, Japanese, and Spanish.

Our research and development expenses for the years ended December 31, 2012, 2011, and 2010 were \$44.7 million, \$42.4 million, and \$40.5 million, respectively. We intend to continue to invest significantly in product development.

Competition

Our solutions are solely focused on the supply chain planning and execution markets, which have been consolidating rapidly, are intensely competitive, and are characterized by rapid technological change. The principal competitive factors affecting the markets for our solutions include: industry expertise; company and solution reputation; company viability; compliance with industry standards; solution architecture; solution functionality and features; integration experience, particularly with ERP providers and material handling equipment providers; ease and speed of implementation; proven return on investment; historical and current solution quality and performance; total cost of ownership; solution price; and ongoing solution support structure. We believe we compete favorably with respect to each of these factors.

Our competitors are diverse and offer a variety of solutions directed at various aspects of the supply chain, as well as at the enterprise as a whole. Our existing competitors include:

Corporate information technology departments of current or potential customers capable of internally developing solutions;

ERP vendors, including Oracle, SAP, and Infor, among others;

Supply chain execution vendors, including JDA Software Group, Inc. (JDA), HighJump Software Inc., and the Sterling Commerce division of IBM, among others;

Supply chain planning vendors, including JDA and SAS Institute Inc., among others; and

Smaller independent companies that have developed or are attempting to develop supply chain execution solutions and/or planning solutions that apply in specific countries and/or globally.

We anticipate facing increased competition from ERP and supply chain management (SCM) applications vendors and business application software vendors that may broaden their solution offerings by internally developing or by acquiring or partnering with independent developers of supply chain planning and execution software. Some of these ERP and SCM companies and other potential competitors have longer operating histories; significantly more financial, technical, marketing and other resources; greater name recognition; broader solutions; and larger installed bases of customers than us. To the extent that ERP and SCM vendors or other large competitors develop or acquire systems with functionality comparable or superior to ours, their larger customer bases, long-standing customer relationships, and ability to offer broader solutions outside the scope of supply chain could create significant competitive advantage for them. It also is possible that new competitors or alliances among current and/or new competitors could emerge to win significant market share. Increased competition could result in price reductions, fewer customer orders, reduced earnings and margins and loss of market share. In turn, this could have a material adverse effect on our business, results of operations, cash flow, and financial condition.

We believe we have established meaningful competitive advantages and have built barriers to market entry through our supply chain expertise; our platform-based solution approach; our track record of continuous supply chain innovation and investment; our strong and endorsing customer relationships; our significant success in deploying and supporting supply chains for market-leading companies; and our ability to out-execute others in identifying sales opportunities and demonstrating expertise throughout the sales cycle. However, to further our market success, we must continue to respond promptly and effectively to technological change and competitors' innovations. Consequently, we cannot assure that we will not be required to make substantial additional investments in research, development, marketing, sales and customer service efforts in order to meet any competitive threat, or that we will be able to compete successfully in the future.

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International Operations; Segments

We have three reporting segments, based on geographic location: the Americas; Europe, Middle East and Africa (EMEA); and Asia Pacific (APAC). For further information on our segments, see Note 7 to our consolidated financial statements. Our international revenue was approximately \$104.4 million, \$90.7 million, and \$80.7 million for the years ended December 31, 2012, 2011, and 2010, respectively, which represents approximately 28%, 28%, and 27% of our total revenue for the years ended December 31, 2012, 2011, and 2010, respectively. International revenue includes all revenue derived from sales to customers outside the United States. We now have approximately 1,270 employees outside the United States.

Proprietary Rights

We rely on a combination of copyright, trade secret, trademark, and trade dress laws, confidentiality procedures, and contractual provisions to protect our proprietary rights in our products, processes and technology. We have registered trademarks for Manhattan Associates and the Manhattan Associates logo, as well as a number of our products and features. Generally we enter into confidentiality and assignment-of-rights agreements with our employees, consultants, customers and potential customers and limit access to, and distribution of, our proprietary information. We license our proprietary products to our customers under license agreements that we believe contain appropriate use and other restrictions in order to try to best protect our ownership of our products and our proprietary rights in them, and to protect our revenue potential from our products. However, despite our efforts to safeguard and maintain our proprietary rights, we cannot ensure that we will successfully deter misappropriation, unintended disclosure or independent third-party development of our technology or our proprietary rights or information. Policing unauthorized use of our products is difficult, and, while we are unable to determine the extent to which piracy of our software solutions exists, as is the case with any software company, piracy could become a problem. Further, to the extent that we enter into transactions in countries where intellectual property laws are not well developed or are poorly enforced, our efforts to protect our proprietary rights may be ineffective. Whether we seek to enforce our proprietary rights in the U.S. or abroad, our efforts, including litigation to enforce our rights, can result in substantial costs and diversion of resources, and such efforts, or our failure to succeed in such efforts, could have a material adverse effect on our business, financial condition, results of operations or cash flows, regardless of the final outcome.

As the number of supply chain management solutions available in the marketplace increases and solution functionality continues to overlap, supply chain software may increasingly become subject to claims of infringement or other misappropriation of intellectual property. Third parties may assert infringement or misappropriation claims against us relating to our products, processes or technology. Such claims, whether or not they have merit, generally are time-consuming and may result in costly litigation, divert management's attention or cause product shipment delays or require us to enter into royalty or licensing arrangements. Defense of infringement or other misappropriation claims, entering into royalty or licensing agreements, the unavailability of such agreements, or adverse determinations in proprietary rights litigation could have a material adverse effect on our business, financial condition, results of operations or cash flows.

Employees

At December 31, 2012, we employed approximately 2,400 employees worldwide, of which 1,130 are based in the Americas, 170 in EMEA, and 1,100 in APAC (including India). Our distribution by function is approximately: 145 in sales and marketing; 1,425 in services; 650 in research and development (R&D); and 180 in general and administration.

Available Information

We file annual, quarterly and current reports and other information with the Securities and Exchange Commission (the SEC or the Commission). These materials can be inspected and copied at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Copies of these materials may also be obtained by mail at prescribed rates from the SEC's Public Reference Room at the above address. Information about the Public Reference Room can be obtained by calling the SEC at 1-800-SEC-0330. The SEC also maintains a website at www.sec.gov that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

On our website, www.manh.com, we provide free of charge our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and any amendments thereto, as soon as reasonably practicable after they have been electronically filed or furnished to the SEC. Information contained on our website is not part of this Form 10-K or our other filings with the SEC.

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Additionally, our code of business conduct and ethics and the charters of the Audit, Compensation, and Nomination and Governance Committees of the Board of Directors are available on our website.

Item 1A. Risk Factors

You should consider the following and other risk factors in evaluating our business or an investment in our common stock. The occurrence of adverse events described in the following risk factors or other adverse events not described in the following risk factors could have a material adverse effect on our business, results of operations, cash flow and financial condition, and could cause the trading price of our common stock to decline.

Our performance can be negatively impacted by global macroeconomic or other external influences which could have a material adverse effect on our business, results of operations, cash flow and financial condition. We are a technology company selling technology-based solutions with total pricing, including software and services, often, exceeding \$1.0 million. Reductions in the capital budgets of our customers and prospective customers could have an adverse impact on our ability to sell our solutions. We believe that potential customer concerns over the slow economic recovery within the United States and/or other geographic regions in which we operate could cause delays in capital spending by our customers or delay the closing of our sales, which could have a material adverse impact on our business and our ability to compete and further intensify in our already intensely competitive markets.

The recovering financial and credit markets and the slow economic recovery in general may adversely affect our business, results of operations, cash flow and financial condition. Demand for our products and services depends in large part upon the level of capital and maintenance expenditures by many of our customers. Decreased capital and maintenance spending could have a material adverse effect on the demand for our products and services, and on our business, results of operations and financial condition. Disruptions in the financial markets, such as the events that began in the second half of 2008 from which the financial markets are now slowly recovering, may adversely impact the availability of credit already arranged and the availability and cost of credit in the future, which could result in the delay or cancellation of projects or capital programs on which our business depends.

In addition, continuing weakness or further deterioration in regional economies or the world economy could negatively impact the capital and maintenance expenditures of our customers and end users. There can be no assurance that government responses to the disruptions in the financial markets or to weakening economies will restore confidence, stabilize markets, or increase liquidity and the availability of credit. These conditions may reduce the willingness or ability of our customers and prospective customers to commit funds to purchase our products and services, or their ability to pay for our products and services after purchase.

We may not be able to continue to successfully compete with other companies. We compete in markets that are intensely competitive and are expected to become more competitive as current competitors expand their product offerings. Our current competitors come from many segments of the software industry and offer a variety of solutions directed at various aspects of the extended supply chain, as well as the enterprise as a whole. We face competition for product sales from:

corporate information technology departments of current or potential customers capable of internally developing solutions;

ERP vendors, including Oracle, SAP, and Infor, among others;

supply chain execution vendors, including JDA Software Group, Inc. (JDA), HighJump Software Inc., and the Sterling Commerce division of IBM, among others;

supply chain planning vendors, including JDA and SAS Institute Inc., among others; and

smaller independent companies that have developed or are attempting to develop supply chain execution solutions and/or supply chain planning solutions that apply in specific countries and/or globally.

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We anticipate facing increased competition from ERP and supply chain management (SCM) applications vendors and business application software vendors that may broaden their solution offerings by internally developing or by acquiring or partnering with independent developers of supply chain planning and execution software. Some of these ERP and SCM companies and other potential competitors have longer operating histories, significantly more financial, technical, marketing, and other resources, greater name recognition, broader solutions, and larger installed bases of customers than do we. To the extent that ERP and SCM vendors or other large competitors develop or acquire systems with functionality comparable or superior to ours, their larger customer bases, long-standing customer relationships, and ability to offer broader solutions outside the scope of supply chain could create significant competitive advantage for them. It also is possible that new competitors or alliances among current and/or new competitors could emerge to win significant market share. Increased competition could result in price reductions, fewer customer orders, reduced earnings and margins, and loss of market share. In turn, this could have a material adverse effect on our business, results of operations, cash flow, and financial condition.

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We believe the domain expertise required to continuously innovate supply chain technology in our target markets, effectively and efficiently implement solutions, identify and attract sales opportunities, and compete successfully in the sales cycle provides us with a competitive advantage and is a significant barrier to market entry. However, in order to be successful in the future, we must continue to respond promptly and effectively to technological change and competitors' innovations, and consequently we cannot assure you that we will not be required to make substantial additional investments in connection with our research, development, marketing, sales, and customer service efforts in order to meet any competitive threat, or that we will be able to compete successfully in the future. Some of our competitors have significant resources at their disposal, and the degree to which we will compete with their new innovative products in the marketplace is undetermined.

Our operating results are substantially dependent on one line of business. We continue to derive our revenues from sales of our supply chain solutions software and related services and hardware. Any factor adversely affecting the markets for supply chain solutions could have an adverse effect on our business, results of operations, cash flow, and financial condition. Accordingly, our future operating results will depend on the demand for our supply chain products and related services and hardware by our customers, including new and enhanced releases that we subsequently introduce. We cannot guarantee that the market will continue to demand our current products or we will be successful in marketing any new or enhanced products. If our competitors release new products that are superior to our products in performance or price, demand for our products may decline. A decline in demand for our products as a result of competition, technological change, or other factors would reduce our total revenues and harm our ability to maintain profitability.

Our operating results are difficult to predict and could cause our stock price to fall. Our quarterly revenue and operating results are difficult to predict and can fluctuate significantly from quarter to quarter. If our quarterly revenue or operating results fall below the expectations of investors or public market analysts, the price of our common stock could fall substantially. Our quarterly revenue is difficult to forecast for several reasons, including the following: global macro-economic disruptions; credit and equity market disruptions, which can significantly impact capital availability and spend timing of customers or potential customers; the varying sales cycle for our products and services from customer to customer, including multiple levels of authorization required by some customers; the varying demand for our products; customers budgeting and purchasing cycles; potential deferral of license revenue well after entering into a license agreement due to extended payment terms, including, although infrequent, payment terms in a contract extending beyond twelve months, significant software modifications, future software functionality deliverables not on a stand-alone basis, or other negotiated terms that preclude software revenue recognition under U.S. general accepted accounting principles; delays in our implementations at customer sites; timing of hiring new services employees and the rate at which these employees become productive; timing of introduction of new products; development and performance of our distribution channels; and timing of any acquisitions and related costs.

As a result of these and other factors, our license revenue is difficult to predict. Because our revenue from services is largely correlated to our license revenue, a decline in license revenue could also cause a decline in our services revenue in the same quarter or in subsequent quarters. In addition, an increase or decrease in hardware sales, which provide us with lower gross margins than sales of software licenses or services, may cause variations in our quarterly operating results.

Most of our expenses, including employee compensation and rent, are relatively fixed. In addition, our expense levels are based, in part, on our expectations regarding future revenue increases. As a result, any shortfall in revenue in relation to our expectations could cause significant changes in our operating results from quarter to quarter and could result in quarterly losses. As a result of these factors, we believe that period-to-period comparisons of our revenue levels and operating results are not necessarily meaningful. Historical growth rates and historical quarterly revenue and operating results may not be a good indicator of future operating results and reliance on historical results should not be used to predict our future performance.

Our future revenue is dependent on continuing license sales, which in turn drive sales of post-contract support and professional services. We are dependent on our new customers as well as our large installed customer base to purchase additional software licenses, post-contract support, and professional services from us. Our post-contract support agreements are generally for a one-year term and our professional services agreements generally only cover a particular engagement. In future periods customers may not license additional products, and in turn may not renew post-contract support agreements or purchase additional professional services from us. If our customers decide not to license or purchase these products and services from us, or if they reduce the scope of their post-contract support or hosting or professional services agreements, our revenue could decrease significantly, and that could have a material adverse effect on our business, results of operations, cash flow and financial condition.

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In addition, many of our customers are using older versions of our products for which we are no longer developing any further upgrades or enhancements. While we intend to migrate our customers who are using these versions to newer versions or products, there can be no assurance that these customers will do so. If customers using older versions of our products decide not to license our current software products, or decide to discontinue the use of our products and associated post-contract support services, our revenue could decrease and our operating results could be materially adversely affected.

We may encounter long sales cycles, particularly with our larger customers, which could have an adverse effect on the amount, timing, and predictability of our revenue, adversely affecting our business, results of operations, cash flow, and financial condition. Our products have lengthy sales cycles, which typically extend from six to twelve months and may take up to several years. Potential and existing customers, particularly larger enterprise customers, often commit significant resources to an evaluation of available solutions and services and require us to expend substantial time and resources in connection with our sales efforts. The length of our sales cycles also varies depending on the type of customer to which we are selling, the product being sold, and customer requirements. We may incur substantial sales and marketing expenses and expend significant management effort during this time, regardless of whether we make a sale. Many of the key risks relating to sales processes are beyond our control, including: our customers' budgetary and scheduling constraints; the timing of our customers' budget cycles and approval processes; our customers' willingness to replace their currently deployed software solutions; and general economic conditions.

As a result of these lengthy and uncertain sales cycles of our products and services, it is difficult for us to predict when customers may purchase products or services from us, thereby affecting when we can recognize the associated revenue, and our operating results may vary significantly and may be adversely affected. The length of our sales cycle makes us susceptible to having pending transactions delayed or terminated by our customers if they decide to delay or withdraw funding for IT projects. Our customers may decide to delay or withdraw funding for IT projects for various reasons, including, but not limited to, global economic cycles and capital market fluctuations.

Delays in implementing our products could adversely impact us. Due to the size and complexity of most of our software implementations, our implementation cycle can be lengthy and may result in delays. Our products may require modification or customization and must integrate with many existing computer systems and software programs of our customers. This can be time-consuming and expensive for customers and can result in implementation and deployment delays of our products. Additional delays could result if we fail to attract, train, and retain services personnel, or if our alliance companies fail to commit sufficient resources towards implementing our software. These delays and resulting customer dissatisfaction could limit our future sales opportunities, impact revenue, and harm our reputation.

Our pricing models may need to be modified due to price competition. The competitive markets in which we operate may oblige us to reduce our prices in order to contend with the pricing models of our competitors. If our competitors discount certain products or services, we may choose to lower prices on certain products or services in order to attract or retain customers. Any such price modifications would likely reduce margins and could adversely affect our business, results of operations, cash flow, and financial condition.

Our ability to license our software is highly dependent on the quality of our services offerings, and our failure to offer high quality services could adversely affect our software licensing revenue and results of operations. Most of our customers rely to some extent on our professional services to aid in the implementation of our software solutions. Once our software has been installed and deployed, our customers may depend on us to provide them with ongoing support and resolution of issues relating to our software. Therefore, a high level of service is critical for the continued marketing and sale of our solutions. If we or our partners do not efficiently and effectively install and deploy our software products, or succeed in helping our customers quickly resolve post-deployment issues, our ability to sell software products to these customers would be adversely affected and our reputation in the marketplace and with potential customers could suffer. In turn, our business, results of operations, cash flow, and financial condition could be materially adversely affected.

Our failure to manage the growth of our operations may adversely affect our business, results of operations, cash flow, and financial condition. We plan to continue to increase the scope of our operations domestically and internationally. This growth may place a significant strain on our management systems and resources. We may further expand domestically or internationally through internal growth or through acquisitions of related companies and technologies. If we fail to maintain continuity in our executive officers; develop the management skills of our managers and supervisors; attract, retain, train, and motivate our employees; improve our operational, financial, and management controls; and maintain adequate reporting systems and procedures and our management and information control systems, our business, results of operations, and cash flow could be negatively impacted.

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Our international operations have many associated risks. We continue to strategically manage our presence in international markets, and these efforts require significant management attention and financial resources. We may not be able to successfully penetrate international markets, or, if we do, there can be no assurance that we will grow our business in these markets at the same rate as in North America. Because of these inherent complexities and challenges, lack of success in international markets could adversely affect our business, results of operations, cash flow, and financial condition.

We have international offices in Europe: the United Kingdom, the Netherlands, and France; and in Asia: China, Japan, Singapore, and India; and Australia. Until 2002, our international presence was limited to the United Kingdom and the Netherlands. Our expansion into other international markets largely began in 2002. We have committed resources to maintaining and further expanding, where appropriate, our sales offices and sales and support channels in key international markets. However, our efforts may not be successful. International sales are subject to many risks and difficulties, including those arising from the following: building and maintaining a competitive presence in new markets; staffing and managing foreign operations; managing international systems integrators; complying with a variety of foreign laws; producing localized versions of our products; import and export restrictions and tariffs; enforcing contracts and collecting accounts receivable; unexpected changes in regulatory requirements; reduced protection for intellectual property rights in some countries; potential adverse tax treatment; less stringent adherence to ethical and legal standards by prospective customers in some countries; language and cultural barriers; currency fluctuations; political and economic instability abroad; and seasonal fluctuations.

Our operating results may include foreign currency gains and losses. Due to our international operations, we conduct a portion of our business in currencies other than the United States dollar. Our revenues, expenses, operating profit and net income are affected when the dollar weakens or strengthens in relation to other currencies. In addition, we have a large development center in Bangalore, India, that does not have a natural in market revenue hedge to mitigate currency risk to our operating expense in India. Fluctuations in the value of other currencies, particularly the Indian rupee, could significantly affect our revenues, expenses, operating profit and net income.

Fluctuations in our hardware sales may adversely affect us. A portion of our revenue in any period is from the resale of a variety of third-party hardware products to purchasers of our software. However, our customers may purchase these hardware products directly from manufacturers or distributors rather than from the Company. We view sales of hardware as non-strategic. We perform this service to our customers seeking a single source for their supply chain needs. Hardware sales are difficult to forecast and fluctuate from quarter to quarter, leading to unusual comparisons of total revenue and fluctuations in profits. If we are unable to maintain or grow our hardware revenue, our business, results of operations, cash flow, and financial condition may be adversely affected.

Our technology must be advanced if we are to remain competitive. The market for our products is characterized by rapid technological change, frequent new product introductions and enhancements, changes in customer demands, and evolving industry standards. Our existing products could be rendered obsolete if we fail to continue to advance our technology. We have also found that the technological life cycles of our products are difficult to estimate, partially because of changing demands of other participants in the supply chain. We believe that our future success will depend in large part upon our ability to continue to enhance our current product line while we concurrently develop and introduce new products that keep pace with competitive and technological developments. These developments require us to continue to make substantial product development investments. Although we are presently developing a number of product enhancements to our product sets, we cannot assure you that these enhancements will be completed on a timely basis or gain customer acceptance.

Our research and development activities may not generate significant returns. Our product development activities are costly, and recovering our investment in product development may take a significant amount of time, if it occurs at all. We anticipate continuing to make significant investments in software research and development and related product opportunities because we believe that we must continue to allocate a significant amount of resources to our research and development activities in order to compete successfully. We cannot estimate with any certainty when we will, if ever, receive significant revenues from these investments.

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Our liability to clients may be substantial if our systems fail. Our products are often critical to the operations of our customers' businesses and provide benefits that may be difficult to quantify. If our products fail to function as required, we may be subject to claims for substantial damages. Courts may not enforce provisions in our contracts that would limit our liability or otherwise protect us from liability for damages. Defending a lawsuit, regardless of its merit, could be costly and divert management's time and attention. Although we maintain general liability insurance and error and omissions coverage, these coverages may not continue to be available on reasonable terms or in sufficient amounts to cover claims against us. In addition, our insurer may disclaim coverage as to any future claim. If claims exceeding the available insurance coverage are successfully asserted against us, or our insurer imposes premium increases or large deductibles or co-insurance requirements on us, then our business, results of operations, cash flow, and financial condition could be adversely affected.

We incorporate third-party software in our solutions, the failure or unavailability of which could adversely affect our ability to sell, support, and service our products. We incorporate and include third-party software into and with certain of our products and solutions and expect to continue to do so. The operation of our products could be impaired if there are defects in that third-party software. It may be difficult for us to correct any defects in third-party software because the development and maintenance of the software is not within our control. Such defects could adversely affect our business.

In addition, there can be no assurance that these third parties will continue to make their software available to us on acceptable terms, or at all; not make their products available to our competitors on more favorable terms; invest the appropriate levels of resources in their products and services to maintain and enhance the capabilities of their software; or remain in business. Any impairment in our relationship with these third parties or our ability to license or otherwise use their software could have a material adverse effect on our business, results of operations, cash flow, and financial condition.

The use of open source software in our products may expose us to additional risks and harm our intellectual property. Some of our products use or incorporate software that is subject to one or more open source licenses. Open source software is typically freely accessible, usable and modifiable. Certain open source software licenses require a user who intends to distribute the open source software as a component of the user's software to disclose publicly part or all of the source code to the user's software. In addition, certain open source software licenses require the user of such software to make any derivative works of the open source code available to others on unfavorable terms or at no cost. This can subject previously proprietary software to open source license terms.

While we monitor the use of all open source software in our products, processes, and technology and try to ensure that no open source software is used in such a way as to require us to disclose the source code to the related product or solution, such use could inadvertently occur. Additionally, if a third-party software provider has incorporated open source software into software we license from them for use in our products and solutions, we could, under certain circumstances, be required to disclose the source code to our products and solutions. This could harm our intellectual property position and have a material adverse effect on our business, results of operations, cash flow, and financial condition.

If we are unable to develop software applications that interoperate with computing platforms developed by others, our business, results of operations, cash flow, and financial condition may be adversely affected. We develop software applications that interoperate with operating systems, database platforms, and hardware devices developed by others, which we refer to collectively as computing platforms. If the developers of these computing platforms do not cooperate with us or we are unable to devote the necessary resources so that our applications interoperate with those computing platforms, our software development efforts may be delayed and our business and results of operations may be adversely affected. When new or updated versions of these computing platforms are introduced, it is often necessary for us to develop updated versions of our software applications so that they interoperate properly with these computing platforms. We may not accomplish these development efforts quickly or cost-effectively, and it is difficult to predict what the relative growth rates of adoption of these computing platforms will be. These development efforts require substantial investment, the devotion of substantial employee resources, and the cooperation of the developers of the computing platforms. For some computing platforms, we must obtain some proprietary application program interfaces from the owner in order to develop software applications that interoperate with the computing platforms. Computing platform providers have no obligation to assist in these development efforts. If they do not provide us with assistance or the necessary proprietary application program interfaces on a timely basis, we may experience delays or be unable to expand our software applications into other areas.

The computing platforms we use may not continue to be available to us on commercially reasonable terms. Any loss of the right to use any of these systems could result in delays in the provision of our products and services, and our results of operations may be adversely affected. Defects in computing platforms could result in errors or failure of our products, which could harm our business.

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Our software may contain undetected errors or bugs, or may be breached by hackers, resulting in harm to our reputation and operating results. Software products as complex as those offered by us might contain undetected errors or failures when first introduced or when new versions are released, or may be vulnerable to hackers. Despite testing, we cannot ensure that errors will not be found in new products or product enhancements after commercial release, or that malefactors will not breach these systems. Any errors or security breaches could cause substantial harm to our reputation, result in additional unplanned expenses to remedy any defects, delay the introduction of new products, result in the loss of existing or potential customers, or cause a loss in revenue. Further, such errors or breaches could subject us to claims from our customers for significant damages, and we cannot assure you that courts would enforce the provisions in our customer agreements that limit our liability for damages. In turn, our business, results of operations, cash flow, and financial condition could be materially adversely affected.

Our inability to attract, integrate, and retain management and other personnel may adversely affect us. Our success greatly depends on the continued service of our executives, as well as our other key senior management, technical personnel, and sales personnel. Our success will depend on the ability of our executive officers to work together as a team. The loss of any of our senior management or other key professional services, research and development, sales and marketing personnel particularly if they are lost to competitors could impair our ability to grow our business. We do not maintain key man life insurance on any of our executive officers.

Our future success will depend in large part upon our ability to attract, retain, and motivate highly skilled employees. We face significant competition for individuals with the skills required to perform the services we offer, and thus we may encounter increased compensation costs that are not offset by increased revenue. We cannot guarantee that we will be able to attract and retain sufficient numbers of these highly skilled employees or motivate them. Because of the complexity of the supply chain market, we may experience a significant time lag between the date on which technical and sales personnel are hired and the time at which these persons become fully productive.

Our growth is dependent upon the successful development of our direct and indirect sales channel mix. We believe that our future growth also will depend on further developing and maintaining a successful direct sales force and strategic relationships with systems integrators and other technology companies. We are currently investing, and plan to continue to invest, significant resources to further develop certain of our sales channels. Our investment could adversely affect our operating results if these efforts do not generate license and service revenue necessary to offset the investment. Also, our inability to partner with other technology companies and qualified systems integrators could adversely affect our results of operations. Because lower unit prices are typically charged on sales made through indirect channels, a disproportionate increase in indirect sales could reduce our average selling prices and result in lower gross margins. In addition, sales of our products through indirect channels typically do not generate consulting services revenue for us at the same levels as direct sales, as the third-party systems integrators generally provide these services. Similarly, indirect sales typically do not generate the same levels of direct contact between our human resources and those of our customer, and we may have more difficulty accurately forecasting sales, evaluating customer satisfaction, and recognizing emerging customer requirements. In addition, these systems integrators and third-party software providers may develop, acquire, or market products competitive with our products.

Our strategy of marketing our products directly to customers and indirectly through systems integrators and other technology companies may result in distribution channel conflicts. Our direct sales efforts may compete with those of our indirect channels and, to the extent different systems integrators target the same customers, systems integrators may also come into conflict with each other. Any channel conflicts that develop may have a material adverse effect on our relationships with systems integrators or harm our ability to attract new systems integrators.

Our employee retention and hiring may be hindered by immigration restrictions. Foreign nationals who are not U.S. citizens or permanent residents constitute a significant part of our professional U.S. workforce. Our ability to hire and retain these workers, and their ability to remain and work in the U.S. are impacted by laws and regulations as well as by processing procedures of various government agencies. Changes in laws, regulations, or procedures may adversely affect our ability to hire or retain such workers and may affect our costs of doing business and/or our ability to deliver services.

Our failure to adequately protect our proprietary rights may adversely affect us. Our success and ability to compete is dependent in part upon our proprietary technology. There are no assurances that we will be able to protect our proprietary rights against unauthorized disclosure or third-party copying or use. We rely on a combination of copyright, trademark, and trade secret laws, as well as confidentiality agreements, licensing arrangements, and contractual commitments, to establish and protect our proprietary rights. Despite our efforts to protect our proprietary rights, existing copyright, trademark, and trade secret laws afford only limited protection. In addition, the laws of certain foreign countries do not protect our rights to the same extent as do the laws of the United States. Attempts may be made to copy or reverse engineer aspects of our products or to obtain and use information that we regard as proprietary. Any infringement of our proprietary rights could negatively impact our future operating results. Furthermore, policing the unauthorized use of our products is difficult, and litigation may be necessary in the future to enforce our intellectual property rights, to protect our trade secrets, or to determine the validity and scope of the proprietary rights of others. Litigation could result in substantial costs and diversion of resources. In turn, our business, results of operations, cash flow, and financial condition could be materially adversely affected.

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Our liability for intellectual property claims can be costly and result in the loss of significant rights. It is possible that third parties will claim that we have infringed their current or future products, inventions, or other intellectual property. We expect that supply chain software developers like us will increasingly be subject to infringement claims as the number of products grows. Any claims, with or without merit, could be time-consuming, result in costly litigation, cause product shipment delays, or require us to pay monetary damages or to enter into royalty or licensing agreements, any of which could negatively impact our operating results. There are no assurances that these royalty or licensing agreements, if required, would be available on terms acceptable to us, if at all. We also may be required to indemnify our customers for damages they suffer as a result of such infringement. There are no assurances that legal action claiming patent infringement will not be commenced against us, or that we would prevail in litigation given the complex technical issues and inherent uncertainties in patent litigation. If a patent claim against us were successful and we could not obtain a license on acceptable terms or license a substitute technology or redesign the product or feature to avoid infringement, we may be prevented from distributing our software or required to incur significant expense and delay in developing non-infringing software. Any of these events could seriously harm our business, results of operations, cash flow, and financial condition.

Mergers or other strategic transactions involving our competitors could weaken our competitive position or reduce our revenue. Our competitors have been consolidating, which may make them more formidable competitors to us. Competing with stronger companies may cause us to experience pricing pressure and loss of market share, either of which could have a material adverse effect on our business, results of operations, cash flow, and financial condition. Our competitors may establish or strengthen their cooperative relationships with vendors, systems integrators, third-party consulting firms, or other parties. Established companies may not only develop their own products but may also acquire or partner with our current competitors. If any of these events occur, our revenue and profitability could significantly decline.

Our business, results of operations, cash flow, and financial condition may be adversely affected if we cannot integrate acquired companies or manage joint ventures. We may from time to time acquire companies with complementary products and services. These acquisitions will expose us to increased risks and costs, including those arising from the following: assimilating new operations and personnel; diverting financial and management resources from existing operations; and integrating acquired technologies. We may not be able to generate sufficient revenue from any of these acquisitions to offset the associated acquisition costs.

We will also be required to maintain uniform standards of quality and service, controls, procedures, and policies. Our failure to achieve any of these standards may hurt relationships with customers, employees, and new management personnel. In addition, future acquisitions may result in additional issuances of stock that could be dilutive to our shareholders.

Many acquisition candidates have significant intangible assets, and an acquisition of these businesses would likely result in significant amounts of goodwill and other intangible assets. Goodwill and certain other intangible assets are not amortized to income, but are subject to at least annual impairment reviews. If the acquisitions do not perform as planned, future charges to income arising from such impairment reviews could be significant. Likewise, future quarterly and annual earnings could be significantly adversely affected. In addition, these acquisitions could involve acquisition-related charges, such as one-time acquired research and development charges.

We may also evaluate joint venture relationships with complementary businesses. Any joint venture we enter into would involve many of the same risks posed by acquisitions, particularly the following: risks associated with the diversion of resources; the inability to generate sufficient revenue; the management of relationships with third parties; and potential additional expenses.

Our business may require additional capital. We may require additional capital to finance our growth or to fund acquisitions or investments in complementary businesses, technologies or product lines. Our capital requirements may be impacted by many factors, including: demand for our products; the timing of and extent to which we invest in new technology; the timing of and extent to which we acquire other companies; the level and timing of revenue; the expenses of sales and marketing and new product development; the success and related expense of increasing our brand awareness; the cost of facilities to accommodate a growing workforce; the extent to which competitors are successful in developing new products and increasing their market share; and the costs involved in maintaining and enforcing intellectual property rights.

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To the extent that our resources are insufficient to fund our future activities, we may need to raise additional funds through public or private financing. However, additional funding, if needed, may not be available on terms attractive to us, or at all. In addition, since we have historically financed our growth through cash flow from operations and available cash, our relative inexperience in accessing the credit or capital markets may impair our ability to do so if the need arises. Our inability to raise capital when needed could have a material adverse effect on our business, results of operations, cash flow and financial condition. If additional funds are raised through the issuance of equity securities, the percentage ownership of our company held by our current shareholders would be diluted.

Our stock price has been highly volatile. The trading price of our common stock has fluctuated significantly since our initial public offering in April 1998. In addition, the trading price of our common stock could be subject to wide fluctuations in response to various factors, including: global macro-economic contraction impacting demand for supply chain solutions; quarterly variations in operating results; announcements of technological innovations or new products by us or our competitors; developments with respect to patents or proprietary rights; changes in financial estimates by securities analysts; and mergers, acquisitions, and combinations involving our competitors or us.

During 2012, we repurchased approximately \$99.7 million of Manhattan Associates' outstanding common stock under the share repurchase program approved by our Board of Directors throughout the year. In January 2013, our Board of Directors approved raising our remaining share repurchase authority to \$50.0 million of Manhattan Associates' outstanding common stock.

In addition, the stock market has recently experienced volatility that has particularly affected the market prices of equity securities of many technology companies. The volatility often has been unrelated or disproportionate to the operating performance of those companies. These broad market fluctuations may adversely affect the market price of our common stock.

Our articles of incorporation and bylaws and Georgia law may inhibit a takeover of our company. Our basic corporate documents and Georgia law contain provisions that might enable our management to resist a takeover of our company. These provisions might discourage, delay, or prevent a change in the control of our company or a change in our management. These provisions could also discourage proxy contests and make it more difficult for you and other shareholders to elect directors and take other corporate actions. The existence of these provisions could also limit the price that investors might be willing to pay in the future for shares of our common stock.

Item 1B. *Unresolved Staff Comments*

As of December 31, 2012, we do not have any unresolved SEC staff comments.

Item 2. *Properties*

Our principal administrative, sales, marketing, support, and research and development facility is located in approximately 191,000 square feet of modern office space in Atlanta, Georgia. Substantially all of this space is leased to us through September 30, 2018. We have additional offices under multi-year agreements in Indiana. We also occupy facilities outside of the United States under multi-year agreements in the United Kingdom, the Netherlands, France, China, Singapore, India, and Australia. We also occupy offices under short-term agreements in other geographical regions. We believe our office space is adequate to meet our immediate needs; however, we may expand into additional facilities in the future.

Item 3. *Legal Proceedings*

From time to time, we may be a party to legal proceedings arising in the ordinary course of business, and we could be a party to legal proceedings not in the ordinary course of business. The Company is not currently a party to any legal proceeding the result of which it believes could have a material adverse impact upon its business, financial position, results of operations, or cash flows.

Liability for our Software and Services

Many of our installations involve products that are critical to the operations of our clients' businesses. Any failure in our products could result in a claim for substantial damages against us, regardless of our responsibility for such failure. Although we attempt to contractually limit our liability for damages arising from product failures or negligent acts or omissions, there can be no assurance that the limitations of liability set forth in our contracts will be enforceable in all instances.

Item 4. *Mine Safety Disclosures*

Not applicable.

Table of Contents**PART II****Item 5. Market for Registrant's Common Equity, Related Shareholder Matters, and Issuer Purchases of Equity Securities****Market for Common Stock**

Our common stock is traded on the Nasdaq Global Select Market under the symbol **MANH**. The following table sets forth the high and low closing sales prices of the common stock as reported by the Nasdaq Global Select Market for the periods indicated:

Fiscal Period	High Price	Low Price
2012		
First Quarter	\$ 50.10	\$ 39.77
Second Quarter	50.94	43.39
Third Quarter	58.54	41.49
Fourth Quarter	62.58	55.66
2011		
First Quarter	\$ 32.74	\$ 29.23
Second Quarter	37.18	33.08
Third Quarter	37.97	31.37
Fourth Quarter	46.48	31.65

On February 15, 2013, the last reported sales price of our common stock on the Nasdaq Global Select Market was \$69.42 per share. The number of shareholders of record of our common stock as of February 15, 2013 was approximately 20.

We do not intend to declare or pay cash dividends in the foreseeable future. Our management anticipates that all earnings and other cash resources, if any, will be retained for investment in our business.

Equity Compensation Plan Information

The following table provides information regarding our current equity compensation plans as of December 31, 2012:

Plan Category	Number of securities to be issued upon exercise of outstanding options and rights	Weighted-average exercise price of outstanding options and rights	Number of securities remaining available for future issuance under equity compensation plans
Equity compensation plans approved by security holders	968,949	\$ 22.13	3,533,966
Equity compensation plans not approved by security holders			
Total	968,949	\$ 22.13	3,533,966

Additional information regarding our equity compensation plans can be found in Note 2 of the Notes to our Consolidated Financial Statements.

Table of Contents**Purchase of Equity Securities**

The following table provides information regarding our common stock repurchases under our publicly-announced share repurchase program and shares withheld for taxes due upon vesting of restricted stock for the quarter ended December 31, 2012. All repurchases related to the share repurchase program were made on the open market.

Period	Total Number of Shares Purchased (a)	Average Price Paid per Share (b)	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number (or Approximate Dollar Value) of Shares that May Yet Be Purchased Under the Plans or Programs
October 1 - October 31, 2012	217,047	\$ 61.13	213,865	\$ 36,925,385
November 1 - November 30, 2012	215,797	\$ 58.40	215,732	24,326,628
December 1 - December 31, 2012	97,838	\$ 57.20	97,026	18,776,868
Total	530,682	\$ 59.29	526,623	

(a) Includes 3,182 shares, 65 shares, and 812 shares withheld for taxes due upon vesting of restricted stock during October, November, and December, respectively.

(b) The average price paid per share for shares withheld for taxes due upon vesting of restricted stock was \$60.50, \$61.44, and \$57.19 in October, November, and December, respectively.

During the year ended December 31, 2012, we repurchased a total of 1,944,828 shares at an average price per share of \$51.26 under our publicly-announced share repurchase program. In January 2013, our Board of Directors approved raising our remaining share repurchase authority to \$50.0 million of Manhattan Associates outstanding common stock.

Item 6. Selected Financial Data

You should read the following selected consolidated financial data in conjunction with our Consolidated Financial Statements and related Notes thereto and with Management's Discussion and Analysis of Financial Condition and Results of Operations included elsewhere in this Form 10-K. The statement of income data for the years ended December 31, 2012, 2011, and 2010, and the balance sheet data as of December 31, 2012 and 2011, are derived from, and are qualified by reference to, the audited financial statements included elsewhere in this Form 10-K. The statement of income data for the years ended December 31, 2009 and 2008 and the balance sheet data as of December 31, 2010, 2009, and 2008 are derived from audited financial statements not included herein. Historical results are not necessarily indicative of results to be expected in the future.

Statement of Income Data:	2008	Year Ended December 31,			2012
		2009	2010	2011	
	(in thousands, except per share data)				
Software license	\$ 65,313	\$ 34,686	\$ 54,450	\$ 54,241	\$ 61,494
Total revenue	\$ 337,201	\$ 246,667	\$ 297,117	\$ 329,253	\$ 376,248
Operating income	\$ 25,963	\$ 21,142	\$ 41,927	\$ 61,363	\$ 80,073
Net income	\$ 22,798	\$ 16,562	\$ 28,061	\$ 44,907	\$ 51,853
Earnings per diluted share	\$ 0.94	\$ 0.73	\$ 1.25	\$ 2.09	\$ 2.56

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	2008	2009	December 31, 2010 (in thousands)	2011	2012
Balance Sheet Data:					
Cash, cash equivalents and investments	\$ 88,706	\$ 123,014	\$ 126,869	\$ 99,114	\$ 103,047
Total assets	\$ 270,221	\$ 264,711	\$ 280,464	\$ 259,600	\$ 261,813
Debt	\$	\$	\$	\$	\$
Shareholders' equity	\$ 179,839	\$ 183,365	\$ 183,800	\$ 162,080	\$ 161,509

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Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations

All statements, trend analyses, and other information contained in the following discussion relative to markets for our products and trends in revenue, gross margins, and anticipated expense levels, as well as other statements including words such as anticipate, believe, plan, estimate, expect, and intend and other similar expressions constitute forward-looking statements. These forward-looking statements are subject to business and economic risks and uncertainties, including those discussed under the caption Risk Factors in Item 1A of this Form 10-K, and our actual results of operations may differ materially from those contained in the forward-looking statements.

Business Overview

We are a leading developer and implementer of supply chain software solutions that help organizations optimize their supply chain operations from planning through execution. Our platform-based supply chain software solution portfolios – Manhattan SCOPE® and Manhattan SCALE™ are designed to deliver both business agility and total cost of ownership advantages to customers. Manhattan SCOPE (Supply Chain Optimization, Planning through Execution) leverages our Supply Chain Process Platform (SCPP) to unify the full breadth of the supply chain, while Manhattan SCALE (Supply Chain Architected for Logistics Execution) leverages Microsoft’s .NET platform to unify logistics functions.

Early in the Company’s history, our offerings were heavily focused on warehouse management solutions. As the Company grew in size and scope, our offerings expanded across the entire supply chain, while still maintaining a significant presence in, and a relatively strong concentration of revenues from warehouse management solutions, which is a component of our distribution management solution suite. Over time, as our non-warehouse management solutions have proliferated and increased in capability, the Company’s revenue concentration in its warehouse management solutions has correspondingly decreased.

Our business model is singularly focused on the development and implementation of complex supply chain software solutions that are designed to optimize supply chain effectiveness and efficiency for our customers. We have three principal sources of revenue:

licenses of our supply chain software;

professional services, including solutions planning and implementation, related consulting, customer training, and customer support services and software enhancements (collectively, services); and

hardware sales and other revenue.

In 2012, we generated \$376.2 million in total revenue, with a revenue mix of: license revenue 16%; services revenue 76%; and hardware and other revenue 8%.

We manage our business based on three geographic regions: North America and Latin America (Americas), Europe, Middle East, and Africa (EMEA), and Asia Pacific (APAC). Geographic revenue is based on the location of the sale. Our international revenue was approximately \$104.4 million, \$90.7 million, and \$80.7 million for the years ended December 31, 2012, 2011, and 2010, respectively, which represents approximately 28%, 28%, and 27% of our total revenue for the years ended December 31, 2012, 2011, and 2010, respectively. International revenue includes all revenue derived from sales to customers outside the United States. At December 31, 2012, we employed approximately 2,400 employees worldwide, of which 1,130 employees are based in the Americas, 170 employees in EMEA, and 1,100 employees in APAC (including India). We have offices in Australia, China, France, India, Japan, the Netherlands, Singapore, and the United Kingdom, as well as representatives in Mexico and reseller partnerships in Latin America, Eastern Europe, the Middle East, South Africa, and Asia.

Global Economic Trends and Industry Factors

Global macro economic trends, technology spending, and supply chain management market growth are important barometers for our business. In 2012, approximately 72% of our total revenue was generated in the United States, 12% in EMEA, and the balance in APAC, Canada, and Latin America. In addition, Gartner Inc., an information technology research and advisory company, estimates that nearly 80% of every supply chain software solutions dollar invested is spent in the United States (50%) and Western Europe (28%); consequently, the health of the U.S. and the Western European economies has a meaningful impact on our financial results.

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We sell technology-based solutions with total pricing, including software and services, in many cases exceeding \$1.0 million. Our software often is a part of our customers' and prospects' much larger capital commitment associated with facilities expansion and business improvement. We believe that, given the lingering uncertainty in the global macro environment, the current sales cycles for large license sales of \$1.0 million or greater in our target markets have been extended. The current business climate within the United States and geographic regions in which we operate continues to affect customers' and prospects' decisions regarding timing of strategic capital expenditures. Delays with respect to such decisions can have a material adverse impact on our business, and may further intensify competition in our already highly competitive markets.

In January 2013, the International Monetary Fund (IMF) provided a World Economic Outlook (WEO) update lowering its previous 2013 world economic growth forecast from October 2012 by 10 basis points projecting 3.5 percent growth in 2013 versus 3.2 percent growth in 2012. The WEO noted that Europe and Japan are in recession, and the United States continues to struggle with fiscal policy, including the debt ceiling, tax policy, and entitlement programs. The update stated that [g]lobal growth is projected to increase during 2013, as the factors underlying soft global activity are expected to subside. However, this upturn is projected to be more gradual than in the October 2012 WEO projections. Further the update stated that [g]lobal financial conditions improved further in the fourth quarter of 2012. However, a broad set of indicators for global industrial production and trade suggests that global growth did not strengthen further. The WEO projected that advanced economies, which represent our primary revenue markets, would grow at about 1.4 percent in 2013 and 2.2 percent in 2014, while the emerging and developing economies would continue to grow at about 5.5 percent in 2013 and 5.9 percent in 2014.

During 2012 and 2011, the overall trend has been an increase in large license sales for the Company, with recognized \$1.0 million or larger software license sales totaling twelve and thirteen for 2012 and 2011, respectively, up from nine in 2010. However, the number of large license sales has been inconsistent from quarter to quarter, reflecting what we believe to be ongoing macroeconomic uncertainty in the United States and Western Europe. While we are encouraged by our 2012 and 2011 results, we, along with many of our customers, still remain cautious regarding the pace of global economic recovery. With global GDP growth continuing to be well below pre-2008 levels, we believe global economic volatility likely will continue to shape customers' and prospects' buying decisions, making it more difficult to forecast sales cycles for our products and the timing of large software license sales.

Revenue

License revenue: License revenue, a leading indicator of our business, is primarily derived from software license fees that customers pay for supply chain solutions. In 2012, license revenue totaled \$61.5 million, or 16% of total revenue, with gross margins of 87.3%. For the year ended December 31, 2012, Americas, EMEA, and APAC recognized \$50.0 million, \$9.6 million, and \$1.9 million in license revenue, respectively. Our typical license revenue percentage mix of new to existing customers historically has approximated 50/50. However, for the year ended December 31, 2012, the majority of license revenue was generated from existing customers, largely influenced by two large deals signed during the third quarter ended September 30, 2012, resulting in the percentage mix of new to existing customers of approximately 30/70. We believe our current mix of new customer to existing customer license sales will fluctuate with continuing global macroeconomic uncertainty; however, the mix should return to historically normal levels in improved global economic conditions.

License revenue growth is influenced by the strength of general economic and business conditions and the competitive position of our software products. Our license revenue generally has long sales cycles of which the timing of the closing of a few large license transactions can have a material impact on our license revenues, operating profit, operating margins and earnings per share. For example, \$1.0 million of license revenue in 2012 equates to approximately three cents of diluted earnings per share impact.

Our software solutions are singularly focused on the supply chain planning and execution markets, which are intensely competitive and characterized by rapid technological change. We are a market leader in the supply chain management software solutions market as defined by industry analysts such as ARC Advisory Group and Gartner. Our goal is to extend our position as a leading global supply chain solutions provider by growing our license revenues faster than our competitors through investment in innovation. We expect to continue to face increased competition from Enterprise Resource Planning (ERP) and Supply Chain Management application vendors and business application software vendors that may broaden their solution offerings by internally developing, or by acquiring or partnering with independent developers of supply chain planning and execution software. Increased competition could result in price reductions, fewer customer orders, reduced gross margins, and loss of market share.

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Services revenue: Our services business consists of professional services (consulting and customer training) and customer support services and software enhancements (CSSE). In 2012, our services revenue totaled \$283.9 million, or 76% of total revenue, with gross margins of 54.7%. The Americas, EMEA, and APAC recognized \$228.7 million, \$36.2 million, and \$19.0 million, respectively, in services revenue for the year ended December 31, 2012. Professional services accounted for approximately 65% of total services revenue and approximately 50% of total revenue in 2012. Our consolidated operating margin profile may be lower than those of various other technology companies due to our large services revenue mix as a percentage of total revenue. While we believe our services margins are very strong, they do lower our overall operating margin profile as services margins are inherently lower than license revenue margins.

At December 31, 2012, our professional services organization totaled approximately 1,425 employees, accounting for 60% of our total employees worldwide. Our professional services organization provides our customers with expertise and assistance in planning and implementing our solutions. To ensure a successful product implementation, consultants assist customers with the initial installation of a system, the conversion and transfer of the customer's historical data onto our system, and ongoing training, education, and system upgrades. We believe our professional services enable customers to implement our software rapidly, ensure the customer's success with our solution, strengthen our customer relationships, and add to our industry-specific knowledge base for use in future implementations and product innovations.

Although our professional services are optional, the majority of our customers use at least some portion of these services for their planning, implementation, or related needs. Professional services are typically rendered under time and materials-based contracts with services typically billed on an hourly basis. Professional services are sometimes rendered under fixed-fee based contracts with payments due on specific dates or milestones.

Typically, our professional services lag license revenue by several quarters, as implementation services and related consulting are performed after the purchase of the software. Services revenue growth is contingent upon license revenue growth and customer upgrade cycles, which is influenced by the strength of general economic and business conditions and the competitive position of our software products. In addition, our professional services business has competitive exposure to offshore providers and other consulting companies. All of these factors potentially create the risk of pricing pressure, fewer customer orders, reduced gross margins, and loss of market share.

For CSSE, we offer a comprehensive 24 hours per day, 365 days per year program that provides our customers with software upgrades, when and if available, which include additional or improved functionality and technological advances incorporating emerging supply chain and industry initiatives. Our CSSE revenues totaled \$98.6 million in 2012, representing approximately 35% of services revenue and approximately 25% of total revenue, respectively. The growth of CSSE revenues is influenced by: (1) new license revenue growth; (2) annual renewal of support contracts; (3) increase in customers through acquisitions; and (4) fluctuations in currency rates. Substantially all of our customers renew their annual support contracts. Over the last three years, our annual revenue renewal rate of customers subscribing to comprehensive support and enhancements has been greater than 90%. CSSE revenue is generally paid in advance and recognized ratably over the term of the agreement, typically twelve months. CSSE renewal revenue is not recognized unless payment is received from the customer.

Hardware and other revenue: Our hardware and other revenue totaled \$30.9 million in 2012 representing 8% of total revenue with gross margins of 18.4%. During 2012, Americas, EMEA, and APAC were responsible for \$28.9 million, \$1.4 million, and \$0.6 million, respectively, in hardware and other revenue. In conjunction with the licensing of our software, and as a convenience for our customers, we resell a variety of hardware products developed and manufactured by third parties. These products include computer hardware, radio frequency terminal networks, RFID chip readers, bar code printers and scanners, and other peripherals. We resell all third-party hardware products and related maintenance pursuant to agreements with manufacturers or through distributor-authorized reseller agreements pursuant to which we are entitled to purchase hardware products and services at discount prices. We generally purchase hardware from our vendors only after receiving an order from a customer. As a result, we generally do not maintain hardware inventory.

Other revenue represents amounts associated with reimbursements from customers for out-of-pocket expenses. The total amount of expense reimbursement recorded to hardware and other revenue was \$12.6 million, \$10.4 million, and \$9.0 million for 2012, 2011, and 2010, respectively.

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Product Development

We continue to invest significantly in research and development (R&D), which historically has averaged about 14 cents of every revenue dollar, excluding hardware and other revenue, to provide leading solutions that help global manufacturers, wholesalers, distributors, retailers, and logistics providers successfully manage accelerating and fluctuating demands as well as the increasing complexity and volatility of their local and global supply chains. Our research and development expenses for the years ended December 31, 2012, 2011, and 2010 were \$44.7 million, \$42.4 million, and \$40.5 million, respectively. At December 31, 2012, our R&D organization totaled approximately 650 employees, located in the U.S. and India.

We expect to continue to focus our R&D resources on the development and enhancement of supply chain software solutions. We offer what we believe to be the broadest solution portfolio in the supply chain solutions marketplace, to address all aspects of planning and forecasting, inventory optimization, order lifecycle management, transportation lifecycle management, and distribution management.

We also plan to continue to enhance our existing solutions and to introduce new solutions to address evolving industry standards and market needs. We identify opportunities to further enhance our solutions and to develop and provide new solutions through our customer support organization, as well as through ongoing customer consulting engagements and implementations, interactions with our user groups, association with leading industry analysts and market research firms, and participation on industry standards and research committees. Our solutions address the needs of customers in various vertical markets, including retail, consumer goods, food and grocery, logistics service providers, industrial and wholesale, high technology and electronics, life sciences, and government.

Cash Flow and Financial Condition

For 2012, we generated cash flow from operating activities of \$75.3 million and have generated a cumulative total of \$181.1 million for the three years ended December 31, 2012. Our cash and investments at December 31, 2012 totaled \$103.0 million, with no debt on our balance sheet. We currently have no credit facilities. During the past three years, our primary uses of cash have been funding investment in R&D and operations to drive earnings growth and repurchases of common stock.

During 2012, we repurchased approximately \$99.7 million of Manhattan Associates' outstanding common stock under the share repurchase program approved by our Board of Directors throughout the year. In January 2013, our Board of Directors approved raising our remaining share repurchase authority to \$50.0 million.

In 2013, we anticipate that our priorities for use of cash will be in developing sales and services resources and continued investment in product development to drive and support profitable growth and extend our market leadership. We will continue to evaluate acquisition opportunities that are complementary to our product footprint and technology direction. We will also continue to weigh our share repurchase options against cash for acquisitions and investing in the business. We do not anticipate any borrowing requirements in 2013 for general corporate purposes.

Application of Critical Accounting Policies and Estimates

The SEC defines "critical accounting policies" as those that require application of management's most difficult, subjective, or complex judgments, often as a result of the need to make estimates about the effect of matters that are inherently uncertain and may change in subsequent periods.

Our consolidated financial statements are prepared in accordance with U.S. generally accepted accounting principles (GAAP). The preparation of financial statements in conformity with GAAP requires us to make estimates and assumptions in certain circumstances that affect amounts reported in the accompanying consolidated financial statements and related footnotes. We believe that estimates, judgments, and assumptions upon which we rely are reasonable based upon information available to us at the time that these estimates, judgments, and assumptions are made. To the extent there are material differences between those estimates, judgments, or assumptions and actual results, our financial statements will be affected. The accounting policies that reflect our more significant estimates, judgments, and assumptions are: Revenue Recognition, Allowance for Doubtful Accounts, Valuation of Goodwill, Accounting for Income Taxes, and Stock-based Compensation.

Table of Contents*Revenue Recognition*

The Company's revenue consists of fees from the licensing and hosting of software (collectively included in Software license revenue in the Consolidated Statements of Income), fees from implementation and training services (collectively, professional services) and customer support services and software enhancements (collectively included in Services revenue in the Consolidated Statements of Income), and sales of hardware and other revenue, which consists of reimbursements of out-of-pocket expenses incurred in connection with our professional services (collectively included in Hardware and other revenue in the Consolidated Statements of Income). All revenue is recognized net of any related sales taxes.

The Company recognizes license revenue when the following criteria are met: (1) a signed contract is obtained covering all elements of the arrangement, (2) delivery of the product has occurred, (3) the license fee is fixed or determinable, and (4) collection is probable. Revenue recognition for software with multiple-element arrangements requires recognition of revenue using the residual method when (a) there is vendor-specific objective evidence (VSOE) of the fair values of all undelivered elements in a multiple-element arrangement that is not accounted for using long-term contract accounting, (b) VSOE of fair value does not exist for one or more of the delivered elements in the arrangement, and (c) all other applicable revenue-recognition criteria for software revenue recognition, are satisfied. For those contracts that contain significant customization or modifications, license revenue is recognized using contract accounting.

The Company allocates revenue to customer support services and software enhancements and any other undelivered elements of the arrangement based on VSOE of fair value of each element and such amounts are deferred until the applicable delivery criteria and other revenue recognition criteria have been met. The balance of the revenue, net of any discounts inherent in the arrangement, is recognized at the outset of the arrangement using the residual method as the product licenses are delivered. If the Company cannot objectively determine the fair value of each undelivered element based on the VSOE of fair value, the Company defers revenue recognition until all elements are delivered, all services have been performed, or until fair value can be objectively determined. The Company must apply judgment in determining all elements of the arrangement and in determining the VSOE of fair value for each element, considering the price charged for each product on a stand-alone basis or applicable renewal rates. For arrangements that include future software functionality deliverables, the Company accounts for these deliverables as a separate element of the arrangement. Because the Company does not sell these deliverables on a standalone basis, the Company is not able to establish VSOE of fair value of these deliverables. As a result, the Company defers all revenue under the arrangement until the future functionality has been delivered to the customer.

Payment terms for the Company's software licenses vary. Each contract is evaluated individually to determine whether the fees in the contract are fixed or determinable and whether collectibility is probable. Judgment is required in assessing the probability of collection, which is generally based on evaluation of customer-specific information, historical collection experience, and economic market conditions. If market conditions decline, or if the financial conditions of customers deteriorate, the Company may be unable to determine that collectibility is probable, and the Company could be required to defer the recognition of revenue until the Company receives customer payments. The Company has an established history of collecting under the terms of its software license contracts without providing refunds or concessions to its customers. Therefore, the Company has determined that the presence of payment terms that extend beyond contract execution in a particular contract do not preclude the conclusion that the fees in the contract are fixed or determinable. Although infrequent, when payment terms in a contract extend beyond twelve months, the Company has determined that such fees are not fixed or determinable and recognizes revenue as payments become due provided that all other conditions for revenue recognition have been met.

The Company's services revenue consists of fees generated from professional services and customer support and software enhancements related to the Company's software products. Professional services include system planning, design, configuration, testing, and other software implementation support and are not typically essential to the functionality of our software. Fees from professional services performed by the Company are separately priced and are generally billed on an hourly basis, and revenue is recognized as the services are performed. In certain situations, professional services are rendered under agreements in which billings are limited to contractual maximums or based upon a fixed-fee for portions of or all of the engagement. Revenue related to fixed-fee based contracts is recognized on a proportional performance basis based on the hours incurred on discrete projects within an overall services arrangement. The Company has determined that output measures, or services delivered, approximate the input measures associated with fixed-fee services arrangements. Project losses are provided for in their entirety in the period in which they become known. Revenue related to customer support services and software enhancements is generally paid in advance and recognized ratably over the term of the agreement, typically twelve months.

Hardware and other revenue is generated from the resale of a variety of hardware products, developed and manufactured by third parties, that are integrated with and complementary to the Company's software solutions. As part of a complete solution, the Company's customers periodically purchase hardware from the Company for use with the software licenses purchased from the Company. These products include computer hardware, radio frequency terminal networks, RFID chip readers, bar code printers and scanners, and other peripherals. Hardware revenue is recognized upon shipment to the customer when title passes. The Company generally purchases hardware from the Company's vendors only after receiving an order from a customer. As a result, the Company generally does not maintain hardware inventory.

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In accordance with the other presentation matters within the Revenue Recognition Topic of the Financial Accounting Standards Board's (FASB) Accounting Standards Codification, the Company recognizes amounts associated with reimbursements from customers for out-of-pocket expenses as revenue. Such amounts have been included in Hardware and other revenue in the Consolidated Statements of Income. The total amount of expense reimbursement recorded to revenue was \$12.6 million, \$10.4 million, and \$9.0 million for 2012, 2011, and 2010, respectively.

Allowance for Doubtful Accounts

We continuously monitor collections and payments from our customers and maintain an allowance for doubtful accounts based upon our historical experience and any specific customer collection issues that we have identified. Additions to the allowance for doubtful accounts generally represent a sales allowance on services revenue, which are recorded to operations as a reduction to services revenue. While such losses have historically been within our expectations and the provisions established, we cannot guarantee that we will continue to experience the same loss rates that we have in the past.

Valuation of Goodwill

In accordance with the Intangibles Goodwill and Other Topic of the FASB Accounting Standards Codification, we do not amortize goodwill and other intangible assets with indefinite lives. Our goodwill is subject to an annual impairment test, which requires us to estimate the fair value of our business compared to the carrying value. The impairment reviews require an analysis of future projections and assumptions about our operating performance. Should such review indicate the assets are impaired, we would record an expense for the impaired assets.

Annual tests or other future events could cause us to conclude that impairment indicators exist and that our goodwill is impaired. For example, if we had reason to believe that our recorded goodwill had become impaired due to decreases in the fair market value of the underlying business, we would have to record a charge to income for that portion of goodwill that we believed was impaired. Any resulting impairment loss could have a material adverse impact on our financial position and results of operations. At December 31, 2012, our goodwill balance was \$62.3 million.

Accounting for Income Taxes

We provide for the effect of income taxes on our financial position and results of operations in accordance with the Income Taxes Topic of the FASB Accounting Standards Codification. Under this accounting pronouncement, income tax expense is recognized for the amount of income taxes payable or refundable for the current year and for the change in net deferred tax assets or liabilities resulting from events that are recorded for financial reporting purposes in a different reporting period than recorded in the tax return. Management must make significant assumptions, judgments, and estimates to determine our current provision for income taxes and also our deferred tax assets and liabilities and any valuation allowance to be recorded against our net deferred tax asset.

Our judgments, assumptions, and estimates relative to the current provision for income tax take into account current tax laws, our interpretation of current tax laws, allowable deductions, projected tax credits, and possible outcomes of current and future audits conducted by foreign and domestic tax authorities. We do not recognize a tax benefit unless we conclude that it is more likely than not that the benefit will be sustained on audit by the taxing authority based solely on the technical merits of the associated tax position. If the recognition threshold is met, we recognize a tax benefit measured at the largest amount of the tax benefit that, in our judgment, is greater than 50 percent likely to be realized. Changes in tax law or our interpretation of tax laws and the resolution of current and future tax audits could significantly impact the amounts provided for income taxes in our financial position and results of operations. Our assumptions, judgments, and estimates relative to the value of our net deferred tax asset take into account predictions of the amount and category of future taxable income. Actual operating results and the underlying amount and category of income in future years could render our current assumptions, judgments, and estimates of recoverable net deferred taxes inaccurate, thus materially impacting our financial position and results of operations.

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Equity-Based Compensation

In January 2012, in order to simplify equity grant administration, we changed our practice of granting restricted stock in favor of granting restricted stock *units*, or RSUs, which convert to our common stock upon vesting. There is no material difference between the grant of restricted stock and the grant of RSUs to either us or the recipients receiving the grants; however, in contrast to the granting of restricted stock, no stock will actually be issued under the granting of RSUs until the units vest. We do not currently grant stock options.

In January 2010 our Compensation Committee approved certain changes to our historical equity incentive grant practices, with the objective to optimize the Company's performance and retention strength while managing program share usage to improve long-term equity overhang. The change eliminated stock option awards in favor of 100% restricted stock grants, which for the 2011 and 2010 awards contain vesting provisions that are 50% service-based and 50% performance-based. The 2011 and 2010 awards have a four year vesting period, with the performance portion tied to their respective year revenue and adjusted earnings per share targets.

For our historical stock option grants, we estimated the fair value on the date of grant using the Black-Scholes option pricing model. We based our estimate of fair value on certain assumptions, including the expected term of the option, the expected volatility of the price of the underlying share for the expected term of the option, the expected dividends on the underlying share for the expected term, and the risk-free interest rate for the expected term of the option. We based our expected volatilities on a combination of the historical volatility of our stock and the implied volatility of publicly traded options (issued by third party) for our common stock. Due to the limited trading volume of publicly traded options for our common stock, we placed a greater emphasis on historical volatility of our common stock. We also used historical data to estimate the term that options are expected to be outstanding. We based the risk-free interest rate on the rate for U.S. Treasury zero-coupon issues with a term approximating the expected term.

We recognize compensation cost for service-based awards with graded vesting on a straight-line basis over the entire vesting period, with the amount of compensation cost recognized at any date at least equal to the portion of the grant-date value of the award that is vested at that date. For our performance-based restricted stock awards with graded vesting, we recognize compensation cost on an accelerated basis applying straight-line expensing for each separately vesting portion of each award. Compensation cost recognized in any period is impacted by the number of stock-based awards granted, the vesting period of the awards (which generally is four years), the estimated forfeiture rate, and the probable outcome of any performance conditions.

Accounting Charges

Recovery of previously impaired investment. In the quarter ended September 30, 2008, we recorded an impairment charge of \$3.5 million on an investment in an auction rate security. We reduced the carrying value to zero due to credit downgrades of the underlying issuer and the bond insurer as well as increasing publicly reported exposure to bankruptcy risk by the issuer. In the quarter ended September 30, 2011, we were able to sell the auction rate security recovering 72%, or \$2.5 million, of our original investment.

Full Year 2012 Financial Summary

Diluted earnings per share for the twelve months ended December 31, 2012 was \$2.56, compared to \$2.09 for the twelve months ended December 31, 2011. Results for the twelve months ended December 31, 2011 include a positive impact of \$0.12 per share for the recovery of an auction rate security investment, which had been impaired in a prior period, and a \$2.0 million tax benefit, or \$0.09 per share, resulting from the reduction of a valuation allowance associated with a change in India tax law. The change eliminates the tax holiday for India companies under the Software Technology Park of India (STPI) tax plan;

Consolidated revenue for the twelve months ended December 31, 2012 was \$376.2 million, compared to \$329.3 million for the twelve months ended December 31, 2011. License revenue was \$61.5 million for the twelve months ended December 31, 2012, compared to \$54.2 million for the twelve months ended December 31, 2011;

Operating income was \$80.1 million for the twelve months ended December 31, 2012, compared to \$61.4 million for the twelve months ended December 31, 2011. Results for the twelve months ended December 31, 2011 included a \$2.5 million recovery of a previously impaired auction rate security investment;

Operating margins for 2012 were 21.3%, up 270 basis points compared to operating margins of 18.6% in 2011;

Cash flow from operations totaled \$75.3 million for the full year 2012 compared to \$55.8 million in 2011;

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Cash and investments on hand at December 31, 2012 was \$103.0 million compared to \$99.1 million at December 31, 2011;

During the twelve months ended December 31, 2012, the Company repurchased approximately 2.0 million shares of Manhattan Associates common stock under the share repurchase program authorized by the Board of Directors, for a total investment of \$99.7 million; and

In January 2013, the Board of Directors approved raising the Company's remaining share repurchase authority to \$50.0 million of Manhattan Associates' outstanding common stock.

Results of Operations

The following table summarizes selected Statement of Income data for the years ended December 31, 2012, 2011, and 2010.

	Year Ended December 31,			% Change vs. Prior Year	
	2012	2011 (in thousands)	2010	2012	2011
Revenue:					
Software license	\$ 61,494	\$ 54,241	\$ 54,450	13%	0%
Services	283,872	244,058	213,750	16%	14%
Hardware and other	30,882	30,954	28,917	0%	7%
Total revenue	376,248	329,253	297,117	14%	11%
Costs and expenses:					
Cost of license	7,838	6,806	6,172	15%	10%
Cost of services	128,686	107,510	98,776	20%	9%
Cost of hardware and other	25,213	24,785	23,844	2%	4%
Research and development	44,704	42,372	40,508	6%	5%
Sales and marketing	45,622	43,944	42,702	4%	3%
General and administrative	38,474	37,708	34,027	2%	11%
Depreciation and amortization	5,638	7,284	9,161	-23%	-20%
Recovery of previously impaired investment ⁽¹⁾		(2,519)		N/A	N/A
Total costs and expenses	296,175	267,890	255,190	11%	5%
Income from operations	\$ 80,073	\$ 61,363	\$ 41,927	30%	46%
Operating margin	21.3%	18.6%	14.1%		

⁽¹⁾ Amount represents recovery of an auction rate security investment which had been impaired in a prior period.

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We manage our business based on three geographic regions: the Americas, EMEA, and APAC. Geographic revenue information is based on the location of sale. The revenues represented below are from external customers only. The geographical-based expenses include costs of personnel, direct sales, and marketing expenses, and general and administrative costs to support the business. There are certain corporate expenses included in the Americas region that are not charged to the other segments including research and development, certain marketing and general and administrative costs that support the global organization, and the amortization of acquired developed technology. Included in the Americas costs are all research and development costs, including the costs associated with the Company's India operations. During 2012, 2011, and 2010, we derived the majority of our revenues from sales to customers within our Americas region. The following table summarizes revenue and operating profit by region:

	Year Ended December 31,			% Change vs. Prior Year	
	2012	2011	2010	2012	2011
	(in thousands)				
Revenue:					
Software license					
Americas	\$ 50,036	\$ 45,506	\$ 44,254	10%	3%
EMEA	9,569	6,362	4,972	50%	28%
APAC	1,889	2,373	5,224	-20%	-55%
Total license	\$ 61,494	\$ 54,241	\$ 54,450	13%	0%
Services					
Americas	\$ 228,673	\$ 198,041	\$ 176,912	15%	12%
EMEA	36,167	30,824	26,269	17%	17%
APAC	19,032	15,193	10,569	25%	44%
Total services	\$ 283,872	\$ 244,058	\$ 213,750	16%	14%
Hardware and Other					
Americas	\$ 28,883	\$ 29,312	\$ 27,784	-1%	5%
EMEA	1,402	1,109	925	26%	20%
APAC	597	533	208	12%	156%
Total hardware and other	\$ 30,882	\$ 30,954	\$ 28,917	0%	7%
Total Revenue					
Americas	\$ 307,592	\$ 272,859	\$ 248,950	13%	10%
EMEA	47,138	38,295	32,166	23%	19%
APAC	21,518	18,099	16,001	19%	13%
Total revenue	\$ 376,248	\$ 329,253	\$ 297,117	14%	11%
Operating income:					
Americas	\$ 65,517	\$ 53,550	\$ 35,868	22%	49%
EMEA	9,725	5,239	3,685	86%	42%
APAC	4,831	2,574	2,374	88%	8%
Total operating income	\$ 80,073	\$ 61,363	\$ 41,927	30%	46%

The results of our operations for the years ended December 31, 2012, 2011, and 2010 are discussed below.

Revenue

Our revenue consists of fees generated from the licensing and hosting of software; fees from professional services, customer support services and software enhancements; hardware sales of complementary radio frequency and computer equipment; and other revenue representing

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amounts associated with reimbursements from customers for out-of-pocket expenses.

	Year Ended December, 31					% of Total Revenue		
	2012	2011	2010	% Change vs. Prior Year		2012	2011	2010
	(in thousands)			2012	2011			
Software license	\$ 61,494	\$ 54,241	\$ 54,450	13%	0%	16%	17%	18%
Services	283,872	244,058	213,750	16%	14%	76%	74%	72%
Hardware and other	30,882	30,954	28,917	0%	7%	8%	9%	10%
Total revenue	\$ 376,248	\$ 329,253	\$ 297,117	14%	11%	100%	100%	100%

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License revenue

Year 2012 compared with year 2011

License revenue increased \$7.3 million, or 13%, to \$61.5 million in 2012 compared to 2011. We completed twelve large deals and thirteen large deals greater than \$1.0 million in 2012 and 2011, respectively. Our Americas and EMEA license revenue increased \$4.5 million and \$3.2 million, respectively, while APAC license revenue decreased \$0.5 million over 2011.

The license sales percentage mix across our product suite in 2012 was approximately 65% warehouse management solutions and 35% non-warehouse management solutions. Our warehouse management solutions increased \$6.5 million, or 19%, in 2012 compared to 2011 and non-warehouse management solutions increased \$0.7 million, or 4%, in 2012 over 2011.

Year 2011 compared with year 2010

License revenue decreased slightly to \$54.2 million in 2011 compared to \$54.5 million in 2010. Our APAC license revenue decreased \$2.9 million in 2011 compared to 2010 partially offset by an increase in Americas and EMEA license revenue of \$1.3 million and \$1.4 million, respectively, in the same period.

The license sales percentage mix across our product suite in 2011 was approximately 60% warehouse management solutions and 40% non-warehouse management solutions. Our warehouse management solutions increased \$2.6 million, or 8%, in 2011 compared to 2010, and non-warehouse management solutions decreased \$2.8 million, or 12%, in 2011 over 2010.

Services revenue

Year 2012 compared with year 2011

Services revenue increased \$39.8 million, or 16%, in 2012 compared to 2011 due to a \$28.4 million, or 18%, increase in professional services revenue and an \$11.4 million, or 13%, increase in CSSE revenue. The Americas, EMEA, and APAC segments increased \$30.6 million, \$5.3 million, and \$3.8 million, respectively, compared to 2011. The increase in services revenue is primarily due to customer-specific initiatives in conjunction with customer upgrade activity and size of license deals signed.

Year 2011 compared with year 2010

Services revenue increased \$30.3 million, or 14%, in 2011 compared to 2010 due to a \$24.9 million, or 19%, increase in professional services revenue and a \$5.4 million, or 7%, increase in CSSE revenue. The Americas, EMEA, and APAC segments increased \$21.1 million, \$4.6 million, and \$4.6 million, respectively, compared to 2010. The increase in services revenue is primarily due to customer-specific initiatives in conjunction with customer upgrade activity and large license deals signed.

Hardware and other

Sales of hardware decreased \$2.3 million to \$18.3 million in 2012 compared to \$20.5 million in 2011. Sales of hardware increased slightly to \$20.5 million in 2011 from \$19.9 million in 2010. The majority of hardware sales are derived from our Americas segment. Sales of hardware are largely dependent upon customer-specific desires, which fluctuate. Other revenue represents reimbursements for professional service travel expenses that are required to be classified as revenue and are included in hardware and other revenue. Reimbursements by customers for out-of-pocket expenses were approximately \$12.6 million, \$10.4 million, and \$9.0 million for 2012, 2011, and 2010, respectively.

Table of Contents**Cost of Revenue**

	Year Ended December 31,				
	2012	2011	2010	% Change vs. Prior Year	
	(in thousands)			2012	2011
Cost of license	\$ 7,838	\$ 6,806	\$ 6,172	15%	10%
Cost of services	128,686	107,510	98,776	20%	9%
Cost of hardware and other	25,213	24,785	23,844	2%	4%
Total cost of revenue	\$ 161,737	\$ 139,101	\$ 128,792	16%	8%

Cost of License

Cost of license consists of the costs associated with software reproduction; hosting services; media, packaging and delivery, documentation, and other related costs; and royalties on third-party software sold with or as part of our products. Cost of licenses increased \$1.0 million, or 15%, in 2012 compared to 2011, primarily due to increase in sales of over the prior year. Cost of licenses increased \$0.6 million, or 10%, in 2011 compared to 2010, primarily due to increased sales of third party software over the prior year.

Cost of Services*Year 2012 compared with year 2011*

Cost of services consists primarily of salaries and other personnel-related expenses of employees dedicated to professional and technical services and customer support services. Cost of services increased \$21.2 million, or 20%, in 2012 compared to 2011 principally due to a \$14.3 million increase in employee-related costs such as salary, benefits, and payroll taxes resulting from an increase in the number of professional services personnel in 2012 to support demand and a \$3.1 million increase in performance-based compensation expense.

Services gross margin decreased 120 basis points to 54.7% in 2012 from 55.9% in 2011. The decrease in services margin is primarily attributable to an increase in the hiring of professional services personnel to fulfill services demand.

Year 2011 compared with year 2010

Cost of services increased \$8.7 million, or 9%, in 2011 compared to 2010 principally due to an \$11.4 million increase in employee-related costs such as salary, benefits, and payroll taxes resulting from an increase in the number of professional services personnel in 2011 to support demand, partially offset by a \$2.4 million decrease in performance-based compensation expense.

Services gross margin increased 210 basis points to 55.9% in 2011 from 53.8% in 2010. The increase in services margin is attributable to services revenue growth and higher than normal billable utilization from our services personnel.

Cost of Hardware and other

In 2012, cost of hardware decreased \$1.6 million to \$12.8 million from \$14.4 million in 2011 as a direct result of a decrease in sales of hardware. Cost of hardware decreased slightly to \$14.4 million in 2011 from \$15.0 million in 2010. Cost of hardware and other includes professional services billed travel expenses reimbursed by customers of approximately \$12.4 million, \$10.4 million, and \$8.8 million for 2012, 2011, and 2010, respectively. Changes in amounts of out-of-pocket expenses correlate to changes in amounts of services revenue.

Table of Contents**Operating Expenses**

	Year Ended December 31,				
	2012	2011	2010	% Change vs. Prior Year	
	(in thousands)			2012	2011
Research and development	\$ 44,704	\$ 42,372	\$ 40,508	6%	5%
Sales and marketing	45,622	43,944	42,702	4%	3%
General and administrative	38,474	37,708	34,027	2%	11%
Depreciation and amortization	5,638	7,284	9,161	-23%	-20%
Recovery of previously impaired investment		(2,519)		N/A	N/A
Operating expenses	\$ 134,438	\$ 128,789	\$ 126,398	4%	2%

Research and Development

Our principal research and development (R&D) activities during 2012, 2011, and 2010 focused on the expansion and integration of new products acquired and new product releases and expanding the product footprint of our supply chain optimization solutions called Supply Chain Optimization from Planning through Execution. The Manhattan SCOPE Platform provides not only a sophisticated service oriented, architecture based application framework, but a platform that facilitates the integration with Enterprise Resource Planning (ERP) and other supply chain solutions.

For the years ended December 31, 2012, 2011, and 2010, we did not capitalize any R&D costs because the costs incurred following the attainment of technological feasibility for the related software product through the date of general release were insignificant.

Year 2012 compared with year 2011

R&D expenses primarily consist of salaries and other personnel-related costs for personnel involved in our R&D activities. Consistent with prior years, we typically invest approximately 13% to 15% of total revenue, excluding hardware and other revenue, in R&D. R&D expenses increased \$2.3 million, or 6%, to \$44.7 million in 2012 compared to \$42.4 million in 2011 primarily due to a \$1.4 million increase in salary-related costs resulting from an increase in the number of R&D personnel to support our product development and a \$1.1 million increase in performance-based compensation expense.

Year 2011 compared with year 2010

R&D expenses increased to \$42.4 million in 2011 compared to \$40.5 million in 2010 primarily due to a \$1.9 million increase in salary-related costs resulting from an increase in the number of R&D personnel, partially offset by a \$0.7 million decrease in performance-based compensation expense.

Sales and Marketing*Year 2012 compared with year 2011*

Sales and marketing expenses include salaries, commissions, travel, and other personnel-related costs and the costs of our marketing and alliance programs and related activities. Sales and marketing expenses increased by \$1.7 million, or 4%, in 2012 compared to 2011. The increase was mainly attributable to a \$3.1 million increase in performance-based compensation partially offset by a decrease in travel expense of \$1.1 million.

Year 2011 compared with year 2010

Sales and marketing expenses increased by \$1.2 million, or 3%, in 2011 compared to 2010. The increase was mainly attributable to \$1.1 million in compensation and employee-related expenses and \$0.7 million in marketing programs, partially offset by a decrease in performance-based compensation expense of \$0.5 million.

Table of Contents***General and Administrative******Year 2012 compared with year 2011***

General and administrative expenses consist primarily of salaries and other personnel-related costs of executive, financial, human resources, information technology, and administrative personnel, as well as facilities, legal, insurance, accounting, and other administrative expenses. General and administrative expenses increased \$0.8 million, or 2%, in 2012 primarily attributable to an increase in compensation, employee-related expenses, and temporary contracted personnel of \$1.8 million and an increase in performance-based compensation expense of \$0.4 million partially offset by a \$1.1 million decrease in equity-based compensation and a \$0.7 million decrease in professional fees.

Year 2011 compared with year 2010

General and administrative expenses increased \$3.7 million, or 11%, in 2011 primarily attributable to (i) an increase in compensation, employee-related expenses, and temporary contracted personnel of \$1.6 million, (ii) an increase in professional fees of \$1.1 million, and (iii) a 2010 non-recurring \$1.2 million recovery of previously recorded state sales tax partially offset by a \$1.0 million decrease in 2011 performance-based compensation expense.

Depreciation and Amortization

Depreciation expense amounted to \$5.6 million, \$6.1 million, and \$6.9 million, during 2012, 2011, and 2010, respectively, and has decreased due to lower capital expenditures over the past several years. Amortization of intangibles was nearly nil in 2012, \$1.2 million and \$2.3 million in 2011 and 2010, respectively. We have recorded goodwill and other acquisition-related intangible assets as part of the purchase accounting associated with various acquisitions prior to 2006. The decreases in amortization expense in 2012 and 2011 of \$1.2 million and \$1.1 million, respectively, were associated with certain finite-lived intangible assets related to prior acquisitions, which are now fully amortized.

Recovery of previously impaired investment

In September 2008, we recorded an impairment charge of \$3.5 million on an investment in an auction rate security. We reduced the carrying value to zero due to credit downgrades of the underlying issuer and the bond insurer as well as increasing publicly reported exposure to bankruptcy risk by the issuer.

In the quarter ended September 30, 2011, we were able to sell the auction rate security, recovering 72%, or \$2.5 million, of our original investment.

Operating Income

Operating income for the year ended December 31, 2012 increased \$18.7 million to \$80.1 million, compared to \$61.4 million, which includes a \$2.5 million recovery of an auction rate security investment which had been impaired in a prior period, for the year ended December 31, 2011. Operating margins were 21.3% for 2012 versus 18.6% for 2011. Operating income and margins increased due to increased services revenue. Operating income in the Americas, EMEA, and APAC segments increased by \$12.0 million, \$4.5 million, and \$2.2 million, respectively in 2012.

Operating income for the year ended December 31, 2011 was \$61.4 million, which includes a \$2.5 million recovery of an auction rate security investment which had been impaired in a prior period, compared to \$41.9 million for the year ended December 31, 2010. Operating margins were 18.6% for 2011 versus 14.1% for 2010. Operating income and margins increased due to services revenue and expense management. Operating income in the Americas, EMEA, and APAC segments increased by \$17.7 million, \$1.6 million, and \$0.2 million, respectively in 2011.

Table of Contents**Other Income (Loss) and Income Taxes**

	Year Ended December 31,			% Change vs. Prior Year	
	2012	2011	2010	2012	2011
Other income (loss), net	\$ 965	\$ 1,864	\$ (143)	-48%	1403%
Income tax provision	29,185	18,320	13,723	59%	33%
Other Income (Loss), net					

Other income (loss), net primarily includes interest income, foreign currency gains and losses, and other non-operating expenses. Interest income was \$1.1 million for the years ended December 31, 2012 and 2011, and \$0.6 million for the year ended December 31, 2010. The increase of \$0.4 million in interest income in 2011 compared to 2010 was due to a higher weighted-average interest rate earned. The weighted-average interest rate earned on cash and investments was approximately 1% for the years ended December 31, 2012 and 2011, and 0.5% for the year ended December 31, 2010. We recorded a net foreign currency loss of \$0.1 million in 2012, a net foreign currency gain of \$0.8 million in 2011, and a net foreign currency loss of \$0.7 million in 2010. The foreign currency gain and losses mainly resulted from gains or losses on intercompany transactions denominated in foreign currencies with subsidiaries due to the fluctuation of the U.S. dollar relative to other foreign currencies, primarily the Indian Rupee.

Income Tax Provision

Our effective income tax rates were 36.0%, 29.0%, and 32.8% in 2012, 2011, and 2010, respectively. Our effective income tax rate takes into account the source of taxable income, domestically by state and internationally by country, and available income tax credits. The increase in the effective tax rate for the year ended December 31, 2012 compared to the same periods in the prior year is principally due to the expiration of the federal research and development tax credit and foreign net operating loss carry-forwards benefitted in prior periods that have now been fully utilized.

The effective rate for the year ended December 31, 2011 was impacted by the \$2.5 million recovery of a previously impaired auction rate security investment discussed in Note 3. We did not record a tax benefit in 2008 on the original impairment charge as there were no future capital gains to offset the loss, and we therefore did not have tax expense related to the recovery of the charge. Also, the effective tax rate in 2011 included a \$2.0 million tax benefit resulting from the reduction of a valuation allowance associated with tax credit carryforwards and deferred tax assets in India. The benefit was attributable to the elimination of the tax holiday for Indian companies under the Software Technology Park of India (STPI) tax plan, based on the February 2011 budget approved by the India Finance Ministry, which will allow us to utilize tax assets previously reserved. In addition, the effective tax rate for the year ended December 31, 2011 included a tax benefit from the disqualifying disposition of incentive stock options that were previously expensed and the reduction of income tax reserves that resulted from the expiration of tax audit statutes and the settlement of an IRS audit.

The effective tax rate in 2010 included a tax benefit from the disqualifying disposition of incentive stock options that were previously expensed and the reduction of U.S. federal income tax reserves that resulted from the expiration of tax audit statutes for tax returns filed for 2006 and prior, partially offset by the establishment of income tax reserves for state audits.

Liquidity and Capital Resources

During 2012, 2011, and 2010, we funded our business through cash generated from operations. As of December 31, 2012, our cash and investments totaled \$103.0 million as compared to \$99.1 million at December 31, 2011.

Our cash flow from operating activities totaled \$75.3 million, \$55.8 million, and \$50.0 million in 2012, 2011, and 2010, respectively. Typical factors affecting our cash provided by operating activities include our level of revenue and earnings for the period, the timing and amount of employee bonus payments and income tax payments, and the timing of cash collections from our customers which is our largest source of operating cash flow. Cash flow from operating activities for 2012 increased \$19.4 million compared to 2011 primarily attributable to higher revenue and net earnings combined with lower tax payments in 2012. Cash flow from operating activities for 2011 increased \$5.8 million compared to 2010 primarily attributable to higher revenue and net earnings. Days sales outstanding (DSO) was 60 days, 62 days, and 61 days at December 31, 2012, 2011, and 2010, respectively, reflects strong collection.

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Our investing activities used cash of approximately \$7.0 million, \$4.6 million, and \$8.9 million in 2012, 2011, and 2010, respectively. The use of cash for investing activities for the year ended December 31, 2012 was for capital expenditures of approximately \$7.9 million partially offset by the net maturities of \$0.9 million in investments. The use of cash for investing activities for the year ended December 31, 2011 was \$5.1 million in capital expenditures partially offset by the net maturities of \$0.5 million in investments. The use of cash for investing activities for the year ended December 31, 2010 was for capital expenditures of approximately \$5.9 million and the net purchase of \$3.0 million in short-term investments.

Our financing activities used cash of approximately \$63.5 million, \$77.9 million, and \$40.9 million in 2012, 2011, and 2010, respectively. The principal use of cash for financing activities for the year ended December 31, 2012 was to purchase approximately \$103.2 million of our common stock, including \$3.5 million for shares withheld for taxes due upon vesting of restricted stock, partially offset by proceeds generated from options exercised of \$32.1 million and a \$7.5 million excess tax benefit related to the exercise of stock options and vesting of restricted stock awards. The principal use of cash for financing activities for the year ended December 31, 2011 was to purchase approximately \$133.1 million of our common stock, including \$2.4 million for shares withheld for taxes due upon vesting of restricted stock, partially offset by proceeds generated from options exercised of \$52.7 million and a \$2.5 million excess tax benefit related to the exercise of stock options and vesting of restricted stock awards. The principal use of cash for financing activities for the year ended December 31, 2010 was to purchase approximately \$77.7 million of our common stock, including \$1.2 million for shares withheld for taxes due upon vesting of restricted stock, partially offset by proceeds generated from options exercised of \$36.4 million. In January 2013, our Board of Directors increased our remaining share repurchase authority to a total of \$50.0 million.

Periodically, opportunities may arise to grow our business through the acquisition of complementary and synergistic companies, products, and technologies. Any material acquisition could result in a decrease to our working capital depending on the amount, timing, and nature of the consideration to be paid. We believe that our existing cash and investments will be sufficient to meet our working capital and capital expenditure needs at least for the next twelve months, although there can be no assurance that this will be the case. In 2013, we anticipate that our priorities for use of cash will be similar to prior years, with our first priority being continued investment in product development and profitably growing our business to extend our market leadership. We will continue to evaluate acquisition opportunities that are complementary to our product footprint and technology direction. We will also continue to weigh our share repurchase options against cash for acquisitions and investing in the business. We do not anticipate any borrowing requirements in 2013 for general corporate purposes.

New Accounting Pronouncements

In September 2011, the FASB issued an Accounting Standards Update on testing goodwill for impairment to simplify the goodwill impairment test. The standards update is intended to reduce cost and complexity of the annual goodwill impairment test by permitting companies to first assess qualitative factors to determine whether further impairment testing is necessary. Under this standards update, a company is not required to calculate the fair value of a reporting unit unless the company determines that it is more likely than not that its fair value is less than its carrying amount. The more likely than not threshold is defined as having a likelihood of more than 50 percent. This guidance is effective for interim and annual goodwill impairment tests performed for fiscal years beginning after December 15, 2011. We adopted this guidance as of December 31, 2012. The adoption of this guidance did not have a material impact on our financial statements.

In May 2011, the FASB issued an Accounting Standards Update on fair value measurements that clarifies the application of existing guidance and disclosure requirements, changes certain fair value measurement principles, and requires additional disclosures about fair value measurements. This guidance is effective for interim and annual periods beginning after December 15, 2011. We adopted of this guidance as of December 31, 2012. The adoption this guidance did not have a material impact on our financial statements.

Off-Balance Sheet Arrangements and Aggregate Contractual Obligations

Our principal commitments as of December 31, 2012 consist of obligations under operating leases. We expect to fulfill all of the following commitments from our working capital. We have no off-balance sheet arrangements within the meaning of SEC rules.

Table of Contents*Lease Commitments*

We lease our facilities and some of our equipment under noncancelable operating lease arrangements that expire at various dates through 2018. Rent expense for these leases aggregated \$5.8 million, \$5.7 million, and \$5.3 million during 2012, 2011, and 2010, respectively.

The following table summarizes our contractual commitments as of December 31, 2012 (in thousands):

	Total	2013	2014	2015	2016	2017	Thereafter
Non-cancelable operating leases	\$ 32,910	\$ 6,630	\$ 6,317	\$ 5,452	\$ 5,410	\$ 5,368	\$ 3,733

Indemnifications

Our customer contracts generally contain infringement indemnity provisions. Under those provisions, we generally agree, subject to certain exceptions, to indemnify, defend, and hold harmless the customer in connection with third party claims against the customer alleging that the customer's use of our software products in compliance with their license infringe the third party's patent, copyright, or other intellectual property rights. Conditions to our obligations generally include that we are provided the right to control the defense of the claims and, in general, to control settlement negotiations. Those provisions generally provide also that, if the customer is prevented from using our software because of a third party infringement claim, our sole obligation (in addition to the indemnification, defense, and hold harmless obligation referred to above) is to, at our expense, (i) procure for the customer the right to continue to use the software, (ii) to replace or modify the product so that its use by the customer does not infringe, or, if either of the foregoing are not reasonably feasible, to terminate the customer contract and provide a refund of the unamortized portion of the customer's license fee (based on a five year amortization period). Our customer contracts sometimes also require us to indemnify, defend, and hold harmless the customer in connection with death, personal injury, or property damage claims made by third parties with respect to actions of our personnel or contractors. Conditions to our obligations generally include that we are provided the right to control the defense of the claims and, in general, to control settlement negotiations. The indemnity obligations contained in our customer contracts generally have no specified expiration date and no specified monetary limitation on liability. We have not previously incurred costs to settle claims or pay awards under these indemnification obligations. We account for these indemnity obligations in accordance with FASB guidance on accounting for contingencies, and record a liability for these obligations when a loss is probable and reasonably estimable. We have not recorded any liabilities for these contracts as of December 31, 2012.

Warranties

In general, in our customer contracts we warrant to our customers that our software products will perform in all material respects in accordance with our standard published specifications in effect at the time of delivery of the licensed products to the customer for six months after first use of the licensed products, but no more than 24 months after execution of the license agreement. Additionally, we warrant to our customers that our services will be performed consistent with generally accepted industry standards or specific service levels through completion of the agreed upon services. If necessary, we would provide for the estimated cost of product and service warranties based on specific warranty claims and claim history. However, we have not incurred significant recurring expense under our product or service warranties. As a result, we believe the estimated fair value of these agreements is nominal. Accordingly, we have no liabilities recorded for these agreements as of December 31, 2012.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk**Foreign Business**

Our international business is subject to risks typical of an international business, including, but not limited to differing economic conditions, changes in political climate, differing tax structures, other regulations and restrictions, and foreign exchange rate volatility. Our international operations currently include business activity out of offices in the United Kingdom, the Netherlands, France, Australia, China, Japan, Singapore, and India. When the U.S. dollar strengthens against a foreign currency, the value of our sales and expenses in that currency converted to U.S. dollars decreases. When the U.S. dollar weakens, the value of our sales and expenses in that currency converted to U.S. dollars increases. We recognized a foreign exchange loss of \$0.1 million in 2012, a foreign exchange gain of \$0.8 million in 2011, and a foreign exchange loss of \$0.7 million in 2010. Foreign exchange rate transaction gains and losses are classified in Other (loss) income, net in our Consolidated Statements of Income. A fluctuation of 10% in the period end exchange rates at December 31, 2012 relative to the U.S. dollar would result in a change of approximately \$0.4 million in the reported foreign currency gain. A fluctuation of 10% in the period end exchange rates at December 31, 2011 relative to the U.S. dollar would result in minimal change to the reported foreign currency gain.

Table of Contents**Interest Rates**

We currently invest our cash in a variety of financial instruments, including taxable and tax-advantaged floating rate obligations in money market funds and certificates of deposit. These investments are mainly denominated in U.S. dollars. Cash balances in foreign currencies overseas are derived from business operations. At December 31, 2012, our cash, cash equivalents, and investment balances totaled \$103.0 million, of which \$96.7 million is highly liquid. The remaining \$6.3 million balance is invested in short-term certificates of deposit. Our cash equivalents balance at December 31, 2012 was \$45.9 million. Cash equivalents principally consist of highly liquid money market funds and certificates of deposit with maturities of less than three months when purchased.

Investments in both fixed rate and floating rate interest-earning instruments carry interest rate risk. Fixed rate securities may have their fair market value adversely impacted due to a rise in interest rates, while floating rate securities may produce less income than expected if interest rates fall. Due in part to these factors, our future investment income may fall short of expectations due to changes in interest rates, or we may suffer losses in principal if forced to sell securities that have seen a decline in market value due to changes in interest rates. The weighted-average interest rate of return on cash and investment securities was approximately 1% for the years ended December 31, 2012 and 2011. The fair value of cash equivalents and investments held at December 31, 2012 and 2011 was \$52.3 million and \$42.7 million, respectively. Based on the average investments outstanding during 2012 and 2011, increases or decreases in the rates of return of 25 basis points would result in increases or decreases to interest income of approximately \$0.3 million for both years from the reported interest income.

Item 8. Financial Statements and Supplementary Data*Financial Statements***INDEX TO CONSOLIDATED FINANCIAL STATEMENTS**

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MANAGEMENT'S ANNUAL REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

Management of Manhattan Associates, Inc. is responsible for establishing and maintaining adequate internal control over financial reporting. The Company's internal control over financial reporting is a process designed under the supervision of the Company's principal executive and principal financial officers to provide reasonable assurance regarding the reliability of financial reporting and the preparation of the Company's financial statements for external purposes in accordance with U.S. generally accepted accounting principles.

The Company's internal control over financial reporting includes policies and procedures that pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect transactions and dispositions of assets; provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with U.S. generally accepted accounting principles, and that receipts and expenditures are being made only in accordance with authorizations of management and the directors of the Company; and provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the Company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

As of the end of the Company's 2012 fiscal year, management conducted an assessment of the Company's internal control over financial reporting based on the framework established in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on this assessment, management has determined that the Company's internal control over financial reporting as of December 31, 2012 was effective.

Ernst & Young LLP, the independent registered public accounting firm that audited the Company's financial statements for the year ended December 31, 2012, has audited the Company's internal control over financial reporting as of December 31, 2012 and has issued a report regarding the Company's internal control over financial reporting appearing on page 42, which expresses an unqualified opinion on the effectiveness of the Company's internal control over financial reporting as of December 31, 2012.

/s/ Eddie Capel
Eddie Capel
President and Chief Executive Officer

February 22, 2013

/s/ Dennis B. Story
Dennis B. Story
Executive Vice President, Chief Financial Officer and
Treasurer

February 22, 2013

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM
ON INTERNAL CONTROL OVER FINANCIAL REPORTING**

The Board of Directors and Shareholders

Manhattan Associates, Inc. and Subsidiaries

We have audited Manhattan Associates, Inc. and subsidiaries' internal control over financial reporting as of December 31, 2012, based on criteria established in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (the COSO criteria). Manhattan Associates, Inc. and subsidiaries' management is responsible for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Annual Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, Manhattan Associates, Inc. and subsidiaries maintained, in all material respects, effective internal control over financial reporting as of December 31, 2012, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheets of Manhattan Associates, Inc. and subsidiaries as of December 31, 2012 and 2011, and the related consolidated statements of income, comprehensive income, cash flows, and shareholders' equity for each of the three years in the period ended December 31, 2012 of Manhattan Associates, Inc. and subsidiaries, and our report dated February 22, 2013 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Atlanta, Georgia

February 22, 2013

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM
ON THE CONSOLIDATED FINANCIAL STATEMENTS**

The Board of Directors and Shareholders

Manhattan Associates, Inc. and Subsidiaries

We have audited the accompanying consolidated balance sheets of Manhattan Associates, Inc. and subsidiaries as of December 31, 2012 and 2011, and the related consolidated statements of income, comprehensive income, cash flows, and shareholders' equity for each of the three years in the period ended December 31, 2012. Our audits also included the financial statement schedule listed in the Index at Item 15(a). These financial statements and schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements and schedule based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Manhattan Associates, Inc. and subsidiaries at December 31, 2012 and 2011, and the consolidated results of their operations and their cash flows for each of the three years in the period ended December 31, 2012, in conformity with U.S. generally accepted accounting principles. Also, in our opinion, the related financial statement schedule, when considered in relation to the basic financial statements taken as a whole, presents fairly in all material respects the information set forth therein.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), Manhattan Associates, Inc. and subsidiaries' internal control over financial reporting as of December 31, 2012, based on criteria established in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission, and our report dated February 22, 2013 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Atlanta, Georgia

February 22, 2013

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****Consolidated Statements of Income**

(in thousands, except per share amounts)

	Year Ended December 31,		
	2012	2011	2010
Revenue:			
Software license	\$ 61,494	\$ 54,241	\$ 54,450
Services	283,872	244,058	213,750
Hardware and other	30,882	30,954	28,917
Total revenue	376,248	329,253	297,117
Costs and expenses:			
Cost of license	7,838	6,806	6,172
Cost of services	128,686	107,510	98,776
Cost of hardware and other	25,213	24,785	23,844
Research and development	44,704	42,372	40,508
Sales and marketing	45,622	43,944	42,702
General and administrative	38,474	37,708	34,027
Depreciation and amortization	5,638	7,284	9,161
Recovery of previously impaired investment		(2,519)	
Total costs and expenses	296,175	267,890	255,190
Operating income	80,073	61,363	41,927
Interest income	1,062	1,072	636
Other (loss) income, net	(97)	792	(779)
Income before income taxes	81,038	63,227	41,784
Income tax provision	29,185	18,320	13,723
Net income	\$ 51,853	\$ 44,907	\$ 28,061
Basic earnings per share	\$ 2.64	\$ 2.20	\$ 1.31
Diluted earnings per share	\$ 2.56	\$ 2.09	\$ 1.25
Weighted average number of shares:			
Basic	19,660	20,455	21,497
Diluted	20,271	21,492	22,450

The accompanying notes are an integral part of these Consolidated Statements of Income.

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES

Consolidated Statements of Comprehensive Income

(In thousands)

	Year Ended December 31,		
	2012	2011	2010
Net income	\$ 51,853	\$ 44,907	\$ 28,061
Other comprehensive income (loss), net of tax:			
Foreign currency translation adjustment	318	(4,024)	1,012
Unrealized gain (loss) on investments, net of taxes of \$53, (\$20) and \$43 in 2012, 2011 and 2010, respectively	92	(33)	71
Other comprehensive income (loss)	410	(4,057)	1,083
Comprehensive income	\$ 52,263	\$ 40,850	\$ 29,144

The accompanying notes are an integral part of these Consolidated Statements of Comprehensive Income.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****Consolidated Balance Sheets**

(in thousands, except share and per share data)

	December 31,	
	2012	2011
ASSETS		
Current Assets:		
Cash and cash equivalents	\$ 96,737	\$ 92,180
Short term investments	6,310	6,079
Accounts receivable, net of allowance of \$6,235 and \$4,816 in 2012 and 2011, respectively	62,102	56,264
Deferred income taxes	7,787	7,599
Income taxes receivable		4,859
Prepaid expenses	7,386	6,059
Other current assets	1,185	1,474
Total current assets	181,507	174,514
Property and equipment, net	15,650	13,321
Long-term investments		855
Goodwill	62,265	62,261
Deferred income taxes	732	5,696
Other assets	1,659	2,953
Total assets	\$ 261,813	\$ 259,600
LIABILITIES AND SHAREHOLDERS EQUITY		
Current liabilities:		
Accounts payable	\$ 10,229	\$ 8,090
Accrued compensation and benefits	16,720	16,503
Accrued and other liabilities	12,233	13,648
Deferred revenue	47,935	49,882
Income taxes payable	4,024	
Total current liabilities	91,141	88,123
Deferred rent, long-term	5,770	6,612
Deferred income taxes	656	
Other non-current liabilities	2,737	2,785
Shareholders' equity:		
Preferred stock, no par value; 20,000,000 shares authorized, no shares issued or outstanding in 2012 or 2011		
Common stock, \$.01 par value; 100,000,000 shares authorized; 19,620,967 and 20,415,946 shares issued and outstanding at December 31, 2012 and 2011, respectively	196	204
Additional paid-in capital		
Retained earnings	166,016	166,989
Accumulated other comprehensive loss	(4,703)	(5,113)
Total shareholders' equity	161,509	162,080
Total liabilities and shareholders' equity	\$ 261,813	\$ 259,600

The accompanying notes are an integral part of these Consolidated Balance Sheets.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****Consolidated Statements of Cash Flows**

(in thousands)

	Year Ended December 31,		
	2012	2011	2010
Operating activities:			
Net income	\$ 51,853	\$ 44,907	\$ 28,061
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	5,638	7,284	9,161
Recovery of previously impaired investment		(2,519)	
Equity-based compensation	8,338	10,372	10,420
(Gain) loss on disposal of equipment	(46)	25	(4)
Tax benefits of stock awards exercised/vested	9,901	7,481	2,207
Excess tax benefits from equity-based compensation	(7,531)	(2,474)	(475)
Deferred income taxes	5,388	2,409	(463)
Unrealized foreign currency loss (gain)	427	(189)	210
Changes in operating assets and liabilities:			
Accounts receivable, net	(5,446)	(8,994)	(9,454)
Other assets	281	(1,332)	(2,661)
Accounts payable, accrued and other liabilities	(162)	(3,537)	8,271
Income taxes	8,831	(2,514)	(2,934)
Deferred revenue	(2,201)	4,905	7,633
Net cash provided by operating activities	75,271	55,824	49,972
Investing activities:			
Purchases of property and equipment	(7,873)	(5,074)	(5,871)
Purchases of short-term investments	(7,582)	(7,296)	(8,625)
Maturities of short-term investments	7,446	4,438	4,414
Sales of long-term investments	1,000	3,323	1,200
Net cash used in investing activities	(7,009)	(4,609)	(8,882)
Financing activities:			
Purchase of common stock	(103,155)	(133,144)	(77,704)
Proceeds from issuance of common stock from options exercised	32,082	52,721	36,368
Excess tax benefits from equity-based compensation	7,531	2,474	475
Net cash used in financing activities	(63,542)	(77,949)	(40,861)
Foreign currency impact on cash	(163)	(1,830)	298
Net change in cash and cash equivalents	4,557	(28,564)	527
Cash and cash equivalents at beginning of period	92,180	120,744	120,217
Cash and cash equivalents at end of period	\$ 96,737	\$ 92,180	\$ 120,744
Supplemental disclosures of cash flow information:			
Cash paid for taxes	\$ 6,277	\$ 11,113	\$ 14,340

The accompanying notes are an integral part of these Consolidated Statements of Cash Flows.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****Consolidated Statements of Shareholders' Equity**

(In thousands, except share data)

	Common Stock		Additional	Retained	Accumulated	Total
	Shares	Amount	Paid-In	Earnings	Other	Shareholders
			Capital		Comprehensive	Equity
					(Loss)	
					Income	
Balance, December 31, 2009	22,467,123	225	2,892	182,387	(2,139)	183,365
Repurchase of common stock	(2,766,173)	(28)	(51,380)	(26,296)		(77,704)
Stock option exercises	1,613,735	16	36,352			36,368
Restricted stock shares/units issuance/cancelation	415,104					
Equity-based compensation		4	10,416			10,420
Tax effects of equity-based compensation			2,207			2,207
Foreign currency translation adjustment					1,012	1,012
Unrealized gain on investments					71	71
Net income				28,061		28,061
Balance, December 31, 2010	21,729,789	217	487	184,152	(1,056)	183,800
Repurchase of common stock	(3,685,196)	(37)	(71,037)	(62,070)		(133,144)
Stock option exercises	2,108,066	21	52,700			52,721
Restricted stock shares/units issuance/cancelation	263,287					
Equity-based compensation		3	10,369			10,372
Tax effects of equity-based compensation			7,481			7,481
Foreign currency translation adjustment					(4,024)	(4,024)
Unrealized loss on investments					(33)	(33)
Net income				44,907		44,907
Balance, December 31, 2011	20,415,946	\$ 204	\$	\$ 166,989	\$ (5,113)	\$ 162,080
Repurchase of common stock	(2,022,739)	(20)	(50,309)	(52,826)		(103,155)
Stock option exercises	1,252,634	12	32,070			32,082
Restricted stock shares/units issuance/cancelation	(24,874)					
Equity-based compensation			8,338			8,338
Tax effects of equity-based compensation			9,901			9,901
Foreign currency translation adjustment					318	318
Unrealized loss on investments					92	92
Net income				51,853		51,853
Balance, December 31, 2012	19,620,967	\$ 196	\$	\$ 166,016	\$ (4,703)	\$ 161,509

The accompanying notes are an integral part of these Consolidated Statements of Shareholders' Equity.

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2012, 2011, and 2010

1. Organization, Consolidation and Summary of Significant Accounting Policies

Organization and Business

Manhattan Associates, Inc. (Manhattan or the Company) is a developer and provider of supply chain solutions that help organizations optimize the effectiveness, efficiency, and strategic advantages of their supply chains. The Company's solutions consist of software, services, and hardware, which coordinate people, workflows, assets, events, and tasks holistically across the functions linked in a supply chain from planning through execution. These solutions also help coordinate the actions, data exchange, and communication of participants in supply chain ecosystems, such as manufacturers, suppliers, distributors, trading partners, transportation providers, channels (such as catalogers, store retailers, and Web outlets), and consumers.

The Company's operations are in North America, Europe, and the Asia/Pacific region. The European operations are conducted through the Company's wholly-owned subsidiaries, Manhattan Associates Limited, Manhattan Associates Europe B.V., Manhattan France SARL, and Manhattan Associates GmbH, in the United Kingdom, the Netherlands, France, and Germany, respectively. The Company's Asia/Pacific operations are conducted through its wholly-owned subsidiaries, Manhattan Associates Pty Ltd., Manhattan Associates KK, Manhattan Associates Software (Shanghai), Co. Ltd., Manhattan Associates Software Pte Ltd., and Manhattan Associates (India) Development Centre Private Limited in Australia, Japan, China, Singapore, and India, respectively. The Company occasionally sells its products and services in other countries, such as countries in Latin America, Eastern Europe, Middle East, and Asia, through its direct sales channel as well as various reseller channels.

Principles of Consolidation and Foreign Currency Translation

The accompanying consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries. All significant intercompany balances and transactions have been eliminated in consolidation.

The financial statements of foreign subsidiaries have been translated into United States dollars in accordance with the foreign currency matters topic in the Financial Accounting Standards Board's (FASB) Accounting Standards Codification (the Codification). Revenues and expenses from international operations were denominated in the respective local currencies and translated using the average monthly exchange rates for the year. All balance sheet accounts have been translated using the exchange rates in effect at the balance sheet date and the effect of changes in exchange rates from year to year are disclosed as a separate component of shareholders' equity and comprehensive income.

New Accounting Pronouncements

In September 2011, the FASB issued an Accounting Standards Update on testing goodwill for impairment to simplify the goodwill impairment test. The standards update is intended to reduce cost and complexity of the annual goodwill impairment test by permitting companies to first assess qualitative factors to determine whether further impairment testing is necessary. Under this standards update, a company is not required to calculate the fair value of a reporting unit unless the company determines that it is more likely than not that its fair value is less than its carrying amount. The more likely than not threshold is defined as having a likelihood of more than 50 percent. This guidance is effective for interim and annual goodwill impairment tests performed for fiscal years beginning after December 15, 2011. The Company adopted this guidance as of December 31, 2012. The adoption of this guidance did not have a material impact on its financial statements.

In May 2011, the FASB issued an Accounting Standards Update on fair value measurements that clarifies the application of existing guidance and disclosure requirements, changes certain fair value measurement principles, and requires additional disclosures about fair value measurements. This guidance is effective for interim and annual periods beginning after December 15, 2011. The Company adopted of this guidance as of December 31, 2012. The adoption this guidance did not have a material impact on its financial statements.

Summary of Significant Accounting Policies

Cash and Cash Equivalents

The Company considers all highly liquid investments purchased with original maturities of three months or less to be cash or cash equivalents.

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2012, 2011 and 2010

Concentrations of Credit Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist principally of cash and cash equivalents, short- and long-term investments and accounts receivable. The Company maintains cash and cash equivalents and short- and long-term investments with various financial institutions. Amounts held at certain financial institutions are above the federally insured limit.

The Company's sales are primarily to companies located in the United States, Europe and Asia. The Company performs periodic credit evaluations of its customers' financial condition and does not require collateral. Accounts receivable are due principally from large U.S., European and Asia Pacific companies under stated contract terms. Accounts receivable, net as of December 31, 2012 for the Americas, EMEA, and APAC companies were \$51.0 million, \$8.2 million, and \$2.8 million, respectively. Accounts receivable, net as of December 31, 2011 for the Americas, EMEA, and APAC companies were \$46.0 million, \$6.1 million, and \$4.1 million, respectively. The Company's top five customers in aggregate accounted for 12%, 15%, and 10% of total revenue in the period the related sales were recorded for each of the years ended December 31, 2012, 2011, and 2010, respectively. No single customer accounted for more than 10% of revenue in the years ended December 31, 2012, 2011, and 2010 or for more than 10% of accounts receivable as of December 31, 2012 and 2011.

Fair Value Measurement

The Company measures its investments based on a fair value hierarchy disclosure framework that prioritizes and ranks the level of market price observability used in measuring assets and liabilities at fair value. Market price observability is affected by a number of factors, including the type of asset or liability and their characteristics. This hierarchy prioritizes the inputs into three broad levels as follows:

Level 1 Quoted prices in active markets for identical instruments.

Level 2 Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs and significant value drivers are observable in active markets.

Level 3 Valuations derived from valuation techniques in which one or more significant inputs or significant value drivers are unobservable. The Company's investments are categorized as available-for-sale securities and recorded at fair market value. Investments with maturities of 90 days or less from the date of purchase are classified as cash equivalents; investments with maturities of greater than 90 days from the date of purchase but less than one year are generally classified as short-term investments; and investments with maturities of one year or greater from the date of purchase are generally classified as long-term investments. Unrealized holding gains and losses are reflected as a net amount in a separate component of shareholders' equity until realized. For the purposes of computing realized gains and losses, cost is determined on a specific identification basis.

Prior to 2008, the Company invested in auction rate securities of which certain auctions failed during 2008 and the underlying securities were not redeemed by the issuer. In the quarter ended September 30, 2008, the Company recorded an other-than-temporary impairment charge of \$3.5 million for one of its investments. The Company reduced the carrying value of the investment to zero due to credit downgrades of the underlying issuer and the bond insurer as well as increasing publicly reported exposure to bankruptcy risk by the issuer. In the quarter ended September 30, 2011, the Company was able to sell the auction rate security and recovered 72%, or \$2.5 million, of its original investment. The \$2.5 million recovery from the sale of the auction rate security is included in the recovery of previously impaired investment line in the Consolidated Statements of Income. During 2010, 2011, and 2012, the Company sold all of its remaining auction rate securities investments at their par value totaling \$3.0 million. The Company currently has no long-term investments.

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At December 31, 2012, the Company's cash, cash equivalents, and short-term investments balances were \$50.8 million, \$45.9 million, and \$6.3 million, respectively. Cash equivalents consist of highly liquid money market funds and certificates of deposit. Short-term investments consist of certificates of deposit. The Company uses quoted prices from active markets that are classified at Level 1 as a highest level observable input in the disclosure hierarchy framework for all available-for-sale securities. At December 31, 2012, the Company has \$35.2 million in money market funds, which are classified as Level 1 and are included in cash and cash equivalents on the Consolidated Balance Sheet. The Company has no investments classified as Level 2 or Level 3.

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2012, 2011 and 2010

Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenue and expenses during the reporting period. Significant estimates include the allowance for doubtful accounts, which is based upon an evaluation of historical amounts written-off, the customers' ability to pay, and general economic conditions; the useful lives of intangible assets; self-insurance accruals; legal accruals; the recoverability or impairment of intangible asset values; stock based compensation, which is based on the expected term of the award and corresponding expected volatility, risk-free interest rate, and dividends; and the Company's effective income tax rate and deferred tax assets, which are based upon the Company's expectations of future taxable income, allowable deductions, and projected tax credits. Actual results will differ from these estimates.

Fair Value of Financial Instruments

The carrying values of cash and cash equivalents, accounts receivable, accounts payable, and other financial instruments included in the accompanying Consolidated Balance Sheets approximate their fair values principally due to the short-term maturities of these instruments. Unrealized gains and losses on investments are included as a separate component of Accumulated other comprehensive loss, net of any related tax effect, in the Consolidated Balance Sheets.

Risks Associated with Single Business Line, Technological Advances, and Foreign Operations

The Company currently derives a substantial portion of its revenues from sales of its software and related services and hardware. The markets for supply chain execution and supply chain planning solutions are highly competitive, subject to rapid technological change, changing customer needs, frequent new product introductions, and evolving industry standards that may render existing products and services obsolete. As a result, the Company's position in these markets could be eroded rapidly by unforeseen changes in customer requirements for application features, functions, and technologies. The Company's growth and future operating results will depend, in part, upon its ability to enhance existing applications and develop and introduce new applications that meet changing customer requirements that respond to competitive products and that achieve market acceptance. Any factor adversely affecting the markets for supply chain execution and supply chain planning solutions could have an adverse effect on the Company's business, financial condition, and results of operations.

The Company's international business is subject to risks typical of an international business, including, but not limited to, differing economic conditions, changes in political climate, differing tax structures, other regulations and restrictions, and foreign exchange rate volatility. Accordingly, future results could be materially adversely impacted by changes in these or other factors. The Company recognized a foreign exchange rate loss of \$0.1 million in 2012, foreign exchange rate gain of \$0.8 million in 2011, and foreign exchange rate loss of \$0.7 million in 2010. Foreign exchange rate transaction gains and losses are classified in Other (loss) income, net on the Consolidated Statements of Income.

Revenue Recognition

The Company's revenue consists of fees from the licensing and hosting of software (collectively included in Software license revenue in the Consolidated Statements of Income), fees from implementation and training services (collectively, professional services) and customer support services and software enhancements (collectively included in Services revenue in the Consolidated Statements of Income), and sales of hardware and other revenue, which consists of reimbursements of out-of-pocket expenses incurred in connection with our professional services (collectively included in Hardware and other revenue in the Consolidated Statements of Income). All revenue is recognized net of any related sales taxes.

The Company recognizes license revenue when the following criteria are met: (1) a signed contract is obtained covering all elements of the arrangement, (2) delivery of the product has occurred, (3) the license fee is fixed or determinable, and (4) collection is probable. Revenue recognition for software with multiple-element arrangements requires recognition of revenue using the residual method when (a) there is vendor-specific objective evidence (VSOE) of the fair values of all undelivered elements in a multiple-element arrangement that is not

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accounted for using long-term contract accounting, (b) VSOE of fair value does not exist for one or more of the delivered elements in the arrangement, and (c) all other applicable revenue-recognition criteria for software revenue recognition, are satisfied. For those contracts that contain significant customization or modifications, license revenue is recognized using contract accounting.

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The Company allocates revenue to customer support services and software enhancements and any other undelivered elements of the arrangement based on VSOE of fair value of each element and such amounts are deferred until the applicable delivery criteria and other revenue recognition criteria have been met. The balance of the revenue, net of any discounts inherent in the arrangement, is recognized at the outset of the arrangement using the residual method as the product licenses are delivered. If the Company cannot objectively determine the fair value of each undelivered element based on the VSOE of fair value, the Company defers revenue recognition until all elements are delivered, all services have been performed, or until fair value can be objectively determined. The Company must apply judgment in determining all elements of the arrangement and in determining the VSOE of fair value for each element, considering the price charged for each product on a stand-alone basis or applicable renewal rates. For arrangements that include future software functionality deliverables, the Company accounts for these deliverables as a separate element of the arrangement. Because the Company does not sell these deliverables on a standalone basis, the Company is not able to establish VSOE of fair value of these deliverables. As a result, the Company defers all revenue under the arrangement until the future functionality has been delivered to the customer.

Payment terms for the Company's software licenses vary. Each contract is evaluated individually to determine whether the fees in the contract are fixed or determinable and whether collectibility is probable. Judgment is required in assessing the probability of collection, which is generally based on evaluation of customer-specific information, historical collection experience, and economic market conditions. If market conditions decline, or if the financial conditions of customers deteriorate, the Company may be unable to determine that collectibility is probable, and the Company could be required to defer the recognition of revenue until the Company receives customer payments. The Company has an established history of collecting under the terms of its software license contracts without providing refunds or concessions to its customers. Therefore, the Company has determined that the presence of payment terms that extend beyond contract execution in a particular contract do not preclude the conclusion that the fees in the contract are fixed or determinable. Although infrequent, when payment terms in a contract extend beyond twelve months, the Company has determined that such fees are not fixed or determinable and recognizes revenue as payments become due provided that all other conditions for revenue recognition have been met.

The Company's services revenue consists of fees generated from professional services and customer support and software enhancements related to the Company's software products. Professional services include system planning, design, configuration, testing and other software implementation support and are not typically essential to the functionality of our software. Fees from professional services performed by the Company are separately priced and are generally billed on an hourly basis, and revenue is recognized as the services are performed. In certain situations, professional services are rendered under agreements in which billings are limited to contractual maximums or based upon a fixed-fee for portions of or all of the engagement. Revenue related to fixed-fee based contracts is recognized on a proportional performance basis based on the hours incurred on discrete projects within an overall services arrangement. The Company has determined that output measures, or services delivered, approximate the input measures associated with fixed-fee services arrangements. Project losses are provided for in their entirety in the period in which they become known. Revenue related to customer support services and software enhancements is generally paid in advance and recognized ratably over the term of the agreement, typically twelve months.

Hardware and other revenue is generated from the resale of a variety of hardware products, developed and manufactured by third parties, that are integrated with and complementary to the Company's software solutions. As part of a complete solution, the Company's customers periodically purchase hardware from the Company for use with the software licenses purchased from the Company. These products include computer hardware, radio frequency terminal networks, RFID chip readers, bar code printers and scanners, and other peripherals. Hardware revenue is recognized upon shipment to the customer when title passes. The Company generally purchases hardware from the Company's vendors only after receiving an order from a customer. As a result, the Company generally does not maintain hardware inventory.

In accordance with the other presentation matters within the Revenue Recognition Topic of the Financial Accounting Standards Board's (FASB) Accounting Standards Codification, the Company recognizes amounts associated with reimbursements from customers for out-of-pocket expenses as revenue. Such amounts have been included in Hardware and other revenue in the Consolidated Statements of Income. The total amount of expense reimbursement recorded to revenue was \$12.6 million, \$10.4 million, and \$9.0 million for 2012, 2011, and 2010, respectively.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)****December 31, 2012, 2011 and 2010***Deferred Revenue*

Deferred revenue represents amounts collected prior to having completed performance of professional services, customer support services and software enhancements, and significant remaining obligations under license agreements. The Company generally expects to complete such services or obligations within the next twelve months.

Returns and Allowances

The Company has not experienced significant returns or warranty claims to date and, as a result, has not recorded a provision for the cost of returns and product warranty claims at December 31, 2012 or 2011.

The Company records an allowance for doubtful accounts based on the historical experience of write-offs and a detailed assessment of accounts receivable. Additions to the allowance for doubtful accounts generally represent a sales allowance on services revenue, which are recorded to operations as a reduction to services revenue. The total amounts charged to operations were \$4.3 million, \$2.5 million, and \$3.5 million for 2012, 2011, and 2010, respectively. In estimating the allowance for doubtful accounts, management considers the age of the accounts receivable, the Company's historical write-offs, and the creditworthiness of the customer, among other factors. Should any of these factors change, the estimates made by management will also change accordingly, which could affect the level of the Company's future allowances. Uncollectible accounts are written off when it is determined that the specific balance is not collectible.

Property and Equipment

Property and equipment is recorded at cost and consists of furniture, computers, other office equipment, internal use software, and leasehold improvements. The Company depreciates the cost of furniture, computers, other office equipment, and internal use software on a straight-line basis over their estimated useful lives (three to five years for computer software, five years for office equipment, seven years for furniture and fixtures). Leasehold improvements are depreciated over the lesser of their useful lives or the term of the lease. Depreciation and amortization expense for property and equipment for the years ended December 31, 2012, 2011, and 2010 was approximately \$5.6 million, \$6.1 million, and \$6.9 million, respectively, and was included in Depreciation and amortization in the Consolidated Statements of Income.

Property and equipment, at cost, consist of the following (in thousands):

	December 31,	
	2012	2011
Office equipment	\$ 28,889	\$ 36,667
Computer software	15,727	15,466
Furniture and fixtures	2,892	2,746
Leasehold improvement	15,606	14,834
Property, plant and equipment, gross	63,114	69,713
Less accumulated depreciation and amortization	(47,464)	(56,392)
Property, plant and equipment, net	\$ 15,650	\$ 13,321

Software Development Costs

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Research and development expenses are charged to expense as incurred. For the years ended December 31, 2012, 2011, and 2010, the Company did not capitalize any internal research and development costs because the costs incurred between the attainment of technological feasibility for the related software product through the date when the product was available for general release to customers have been insignificant.

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The Company determines the amount of development costs capitalizable under the provisions of FASB Codification accounting for costs of computer software to be sold, leased, or marketed. Under this guidance, computer software development costs are charged to R&D expense until technological feasibility is established, after which remaining software production costs are capitalized. The Company has defined technological feasibility as the point in time at which the Company has a detailed program design or a working model of the related product, depending on the type of development efforts, and high-risk development issues have been resolved through end-to-end system testing.

Impairment of Long-Lived Assets

The Company reviews the values assigned to long-lived assets, including property and certain intangible assets, to determine whether events and circumstances have occurred which indicate that the remaining estimated useful lives may warrant revision or that the remaining balances may not be recoverable. In such reviews, undiscounted cash flows associated with these assets are compared with their carrying value to determine if a write-down to fair value is required. During 2012, 2011, and 2010, the Company did not recognize any impairment charges associated with its long-lived or intangible assets.

The evaluation of asset impairment requires management to make assumptions about future cash flows over the life of the asset being evaluated. These assumptions require significant judgment, and actual results may differ from assumed and estimated amounts.

Goodwill and Impairment of Goodwill

Goodwill

Goodwill represents the excess of purchase price over fair value of net identified tangible and intangible assets and liabilities acquired. The Company does not amortize goodwill, but instead tests goodwill for impairment on at least an annual basis. Goodwill was \$62.3 million at the end of each year ended December 31, 2012 and 2011. Approximately \$36.0 million of the gross Goodwill balance is deductible for income tax purposes. To date, there have been no goodwill impairments.

Impairment of Goodwill

The Company evaluates the carrying value of goodwill annually as of December 31 and between annual evaluations if events occur or circumstances change that would more likely than not reduce the fair value of the reporting unit below its carrying amount. Such circumstances could include, but are not limited to, (1) a significant adverse change in legal factors or in business climate, (2) unanticipated competition, or (3) an adverse action or assessment by a regulator.

The Company adopted the simplified goodwill impairment test for the fiscal year ended December 31, 2012, that permits companies to perform a qualitative assessment based on economic, industry and company-specific factors as the initial step in the annual goodwill impairment test for all or selected reporting units. Based on the results of the qualitative assessment, companies are only required to perform Step 1 of the annual impairment test for a reporting unit if the company concludes that it is more likely than not that the unit's fair value is less than its carrying amount. To the extent the Company concludes it is more likely than not that a reporting unit's fair value is less than its carrying amount, the two-step approach is applied. The first step would require a comparison of each reporting unit's fair value to the respective carrying value. If the carrying value exceeds the fair value, a second step is performed to measure the amount of impairment loss, if any. The Company did not identify any macroeconomic or industry conditions as of December 31, 2012, that would indicate the fair value of the reporting units were more likely than not to be less than their respective carrying values. If circumstances change or events occur to indicate it is more likely than not that the fair value of any reporting units have fallen below their carrying value, the Company would test such reporting unit for impairment. The Company previously performed its periodic review of its goodwill for impairment as of December 31, 2011, and 2010, and did not identify any impairment as a result of the review.

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Guarantees and Indemnifications

The Company accounts for guarantees in accordance with the guarantee accounting topic in the FASB Codification. Our customer contracts generally contain infringement indemnity provisions. Under those provisions, we generally agree, subject to certain exceptions, to indemnify, defend, and hold harmless the customer in connection with third party claims against the customer alleging that the customer's use of our software products in compliance with their license infringe the third party's patent, copyright, or other intellectual property rights. Conditions to our obligations generally include that we are provided the right to control the defense of the claims and, in general, to control settlement negotiations. Those provisions generally provide also that, if the customer is prevented from using our software because of a third party infringement claim, our sole obligation (in addition to the indemnification, defense, and hold harmless obligation referred to above) is to, at our expense, (i) procure for the customer the right to continue to use the software, (ii) to replace or modify the product so that its use by the customer does not infringe, or, if either of the foregoing are not reasonably feasible, to terminate the customer contract and provide a refund of the unamortized portion of the customer's license fee (based on a five year amortization period). Our customer contracts sometimes also require us to indemnify, defend, and hold harmless the customer in connection with death, personal injury, or property damage claims made by third parties with respect to actions of our personnel or contractors. Conditions to our obligations generally include that we are provided the right to control the defense of the claims and, in general, to control settlement negotiations. The indemnity obligations contained in our customer contracts generally have no specified expiration date and no specified monetary limitation on liability. We have not previously incurred costs to settle claims or pay awards under these indemnification obligations. We account for these indemnity obligations in accordance with FASB guidance on accounting for contingencies, and record a liability for these obligations when a loss is probable and reasonably estimable. We have not recorded any liabilities for these contracts as of December 31, 2012, or 2011.

In general, in our customer contracts, the Company warrants to its customers that its software products will perform in all material respects in accordance with the standard published specifications in effect at the time of delivery of the licensed products to the customer for six months after first use of the licensed products, but no more than 24 months after execution of the license agreement. Additionally, the Company warrants to its customers that services will be performed consistent with generally accepted industry standards or specific service levels through completion of the agreed upon services. If necessary, the Company will provide for the estimated cost of product and service warranties based on specific warranty claims and claim history. However, the Company has not incurred significant recurring expense under product or service warranties. As a result, the Company believes the estimated fair value of these agreements is nominal. Accordingly, the Company has no liabilities recorded for these agreements as of December 31, 2012, and 2011.

Segment Information

The Company has three reporting segments: Americas, EMEA, and APAC as defined by FASB Codification topic for segment reporting. See Note 7 for discussion of the Company's reporting segments.

Advertising Costs

Advertising costs are expensed as incurred and totaled approximately \$95,000, \$240,000, and \$10,000 in 2012, 2011, and 2010, respectively. Advertising costs are included in Sales and marketing in the Consolidated Statements of Income.

Basic and Diluted Net Income Per Share

Basic net income per share is computed using net income divided by the weighted average number of shares of common stock outstanding (Weighted Shares) for the period presented.

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Diluted net income per share is computed using net income divided by Weighted Shares and the treasury stock method effect of common equivalent shares (CESs) outstanding for each period presented. The following is a reconciliation of the shares used in the computation of net income per share for the years ended December 31, 2012, 2011, and 2010 (in thousands, except per share data):

	Year Ended December 31,		
	2012	2011	2010
Net income	\$ 51,853	\$ 44,907	\$ 28,061
Earnings per share:			
Basic	\$ 2.64	\$ 2.20	\$ 1.31
Effect of CESs	(0.08)	(0.11)	(0.06)
Diluted	\$ 2.56	\$ 2.09	\$ 1.25
Weighted average number of shares:			
Basic	19,660	20,455	21,497
Effect of CESs	611	1,037	953
Diluted	20,271	21,492	22,450

Options to purchase 2,000 shares and 1,312,639 shares of common stock were outstanding at December 31, 2011 and 2010, respectively, but were not included in the computation of diluted earnings per share because the options' exercise prices were greater than the average market price of the common shares during the respective years. There were no anti-dilutive CESs in 2012. See Note 2 for further information on those securities.

Accumulated Other Comprehensive Income

Comprehensive income includes net income, foreign currency translation adjustments, and unrealized gains and losses on investments that are excluded from net income and reflected in shareholders' equity.

The following table sets forth the components of accumulated other comprehensive income (in thousands):

	December 31,	
	2012	2011
Unrealized loss on investments, net of taxes	\$ (4,703)	\$ (92)
Foreign currency translation adjustment	(4,703)	(5,021)
Total	\$ (4,703)	\$ (5,113)

2. Equity-Based Compensation**Equity Based Compensation Plans**

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The Manhattan Associates, Inc. 1998 Stock Incentive Plan (the 1998 Plan) was adopted by the Board of Directors and approved by the shareholders in February 1998. Options granted under the 1998 Plan cannot have a term exceeding ten years. Options typically have an annual graded vesting schedule over four years and vest based on service conditions. Following approval of the Manhattan Associates, Inc. 2007 Stock Incentive Plan (the 2007 Plan) discussed below, the Company may not make any additional awards under the 1998 Plan.

The 2007 Plan was initially approved by the shareholders of the Company in May 2007 and was subsequently amended in May 2009 and May 2011. The 2007 Plan provides for the grant of stock options, restricted stock, restricted stock units, and stock appreciation rights. Vesting conditions can be service-based or performance-based, or a combination of both.

As amended, a maximum of 7,500,000 shares are available for grant under the 2007 Plan. Each stock option or stock appreciation right granted is counted against the maximum share limitation as one share, and each share of restricted stock or restricted stock unit granted (including those that are service based or performance based) counts against the maximum share limitation as two shares. Options and stock appreciation rights cannot have a term exceeding seven years. As of December 31, 2012, there were 3,533,966 shares available for issuance under the amended 2007 Plan. The 1998 and 2007 Plans are administered by the Compensation Committee of the Board of Directors. The committee has the authority to interpret the provisions thereof.

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In January 2010 the Compensation Committee of the Board of Directors approved certain changes to the Company's historical equity incentive grant practices, with the objective to optimize its performance and retention strength while managing program share usage to improve long-term equity overhang. The changes eliminated stock option awards in favor of 100% restricted stock grants, which for the 2010 and 2011 awards contain vesting provisions that are 50% service based and 50% performance based for employee awards and 100% service based for non-employee members of the Board of Directors (Outside Directors). The equity compensation program change for employees was effective January 2010 and for Outside Directors was effective May 2010. The employee awards have a four year vesting period, with the performance portion tied to annual revenue and earnings per share targets. The awards to Outside Directors have a one year vesting period. The Company recognizes compensation cost for service-based restricted awards with graded vesting on a straight-line basis over the entire vesting period, with the amount of compensation cost recognized at any date at least equal to the portion of the grant-date value of the award that is vested at that date. For its performance-based restricted stock awards with graded vesting, the Company recognizes compensation cost on an accelerated basis applying straight-line expensing for each separately vesting portion of each award.

In January 2012, in order to simplify equity grant administration, the Company changed its practice of granting restricted stock in favor of granting restricted stock *units*, or RSUs, which convert to the Company's common stock upon vesting. There is no material difference between the grant of restricted stock and the grant of RSUs to either the Company or the recipients receiving the grants; however, in contrast to the granting of restricted stock, no stock will actually be issued under the granting of RSUs until the units vest. The Company does not currently grant stock options.

Stock Option Awards

The Company recorded equity-based compensation related to stock options granted prior to 2011 of \$0.6 million, \$2.0 million, and \$3.8 million during the years ended December 31, 2012, 2011, and 2010, respectively. A summary of changes in outstanding options for the year ended December 31, 2012 is as follows:

	Number of Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term	Average Intrinsic Value (in thousands)
Outstanding at January 1, 2012	1,633,566	\$ 24.79		
Exercised	(1,252,634)	25.61		
Forfeited and expired	(9,182)	21.08		
Outstanding at December 31, 2012	371,750	\$ 22.13	2.1	\$ 14,206
Vested or expected to vest at December 31, 2012	351,574	\$ 22.46	2.1	\$ 13,317
Exercisable at December 31, 2012	278,868	\$ 24.09	1.8	\$ 10,109

The fair value of each option award is estimated on the date of grant using the Black-Scholes option pricing model with the following weighted-average assumptions for the year ended December 31, 2010:

	2010
Dividend yield	0%
Expected volatility	36%
Risk-free interest rate at the date of grant	2.4%
Expected life (in years)	4.0

No stock options were granted in 2011 or 2012.

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Expected volatilities are based on a combination of historical volatility of the Company's stock and implied volatility of the Company's publicly traded stock options. Due to the limited trading volume of the Company's publicly traded options, the Company places a greater emphasis on historical volatility. The Company also uses historical data to estimate the term that options are expected to be outstanding and the forfeiture rate of options granted. The risk-free interest rate is based on the U.S. Treasury zero-coupon issues with a term approximating the expected term. Using these assumptions, the weighted average grant-date fair values of the stock options granted during the year ended December 31, 2010 was \$7.82.

Options with graded vesting are valued as a single award. The total value of the award is expensed on a straight line basis over the vesting period with the amount of compensation cost recognized at any date at least equal to the portion of the grant-date fair value of the award that is vested at that date. The total intrinsic value of options exercised during the years ended December 31, 2012, 2011, and 2010 based on market value at the exercise dates was \$31.2 million, \$25.8 million, and \$11.9 million, respectively. As of December 31, 2012, unrecognized compensation cost related to unvested stock option awards totaled less than \$0.1 million and is expected to be recognized over a weighted average period of less than one year.

Restricted Stock and RSU Awards

A summary of changes in unvested shares/units of restricted stock for the year ended December 31, 2012 are as follows:

	Number of Shares	Grant Date Fair Value
Outstanding at January 1, 2012	655,155	\$ 25.84
Granted	227,748	44.08
Vested	(252,285)	25.62
Forfeited	(33,419)	29.07
Outstanding at December 31, 2012	597,199	\$ 32.70

The Company recorded equity-based compensation related to restricted stock and RSUs of \$7.7 million, \$8.4 million, and \$6.6 million during the years ended December 31, 2012, 2011, and 2010, respectively. The total fair value of restricted stock awards vested during the years ended December 31, 2012, 2011, and 2010, based on market value at the vesting dates was \$15.2 million, \$10.8 million, and \$3.6 million, respectively. As of December 31, 2012, unrecognized compensation cost related to unvested restricted stock awards totaled \$9.8 million and is expected to be recognized over a weighted average period of approximately 2.2 years.

Included in the RSU grants for the year ended December 31, 2012, are 98,202 units that have performance-based vesting criteria. As noted above, the performance criteria are tied to the Company's 2012 financial performance. As of December 31, 2012, the performance criteria for the fiscal year were met and the associated equity-based compensation expense has been recognized for the portion of the award attributable to 2012 services.

The Company recognizes compensation cost for service-based restricted stock awards with graded vesting on a straight-line basis over the entire vesting period, with the amount of compensation cost recognized at any date at least equal to the portion of the grant-date value of the award that is vested at that date. For performance-based restricted stock awards with graded vesting, the Company recognizes compensation cost on an accelerated basis applying straight-line expensing for each separately vesting portion of each award.

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December 31, 2012, 2011 and 2010

3. Income Taxes

The Company is subject to future federal, state, and foreign income taxes and has recorded net deferred tax assets on the Consolidated Balance Sheets at December 31, 2012 and 2011. Deferred tax assets and liabilities are determined based on the difference between the financial accounting and tax bases of assets and liabilities. Significant components of the Company's deferred tax assets and liabilities as of December 31, 2012 and 2011 are as follows (in thousands):

	December 31,	
	2012	2011
Deferred tax assets:		
Accounts receivable	\$ 2,128	\$ 1,722
Accrued liabilities	4,131	4,745
Equity-based compensation	3,595	5,765
Capitalized costs	2,647	3,801
Accrued sales taxes	765	765
Deferred rent	2,435	2,658
State tax credits	3,079	2,958
Net operating losses	2,246	2,803
Tax credits - foreign	683	1,205
Valuation allowance	(5,965)	(6,711)
Other	591	350
	\$ 16,335	\$ 20,061
Deferred tax liabilities:		
Intangible assets	6,155	4,627
Depreciation	2,317	2,139
	8,472	6,766
Net deferred tax assets	\$ 7,863	\$ 13,295

The components of income from domestic and foreign operations before income tax expense for the years ended December 31, 2012, 2011, and 2010, are as follows (in thousands):

	Year Ended December 31,		
	2012	2011	2010
Domestic	\$ 75,731	\$ 55,487	\$ 36,881
Foreign	5,307	7,740	4,903
Total	\$ 81,038	\$ 63,227	\$ 41,784

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The components of the income tax provision for the years ended December 31, 2012, 2011, and 2010, are as follows (in thousands):

	Year Ended December 31,		
	2012	2011	2010
Current:			
Federal	\$ 20,150	\$ 12,438	\$ 11,271
State	1,835	1,043	1,296
Foreign	1,702	2,432	1,817
	23,687	15,913	14,384
Deferred:			
Federal	4,670	4,036	(694)
State	232	240	(29)
Foreign	596	(1,869)	62
	5,498	2,407	(661)
Total	\$ 29,185	\$ 18,320	\$ 13,723

The income tax benefits related to the exercise of stock options were approximately \$11.0 million, \$9.2 million, and \$4.2 million, for the years ended December 31, 2012, 2011, and 2010, respectively.

As a result of losses in foreign locations, the Company has net operating loss carry-forwards (NOLs) of approximately \$7.9 million available to offset future income. Approximately \$7.6 million of the NOLs expire in 2013 to 2020, and the remainder does not expire. The Company has established a valuation allowance for substantially all of these NOLs because the ability to utilize them is not more likely than not.

The Company has tax credit carry-forwards of approximately \$4.7 million available to offset future state tax. These tax credit carry-forwards expire in 2017 to 2021. These credits represent a deferred tax asset of \$3.1 million after consideration of the federal benefit of state tax deductions. A valuation allowance of \$2.8 million has been established for these credits because the ability to use them is not more likely than not.

The Company recorded a \$2.0 million tax benefit in 2011, resulting from the reduction of a valuation allowance associated with tax credit carryforwards and deferred tax assets in India. The benefit is attributable to the elimination of the tax holiday for Indian companies under the Software Technology Park of India (STPI) tax plan, based on the February 2011 budget approved by the India Finance Ministry, which will allow the Company to utilize tax assets previously reserved. The Company expects to fully utilize the credits by 2015.

Deferred taxes are not provided for temporary differences of approximately \$29.5 million, \$24.9 million, and \$22.2 million as of December 31, 2012, 2011, and 2010, respectively, representing earnings of non-U.S. subsidiaries that are intended to be permanently reinvested. Those earnings are considered to be indefinitely reinvested; accordingly, no provision for U.S. federal and state income taxes has been provided thereon. Upon repatriation of those earnings, in the form of dividends or otherwise, the Company would be subject to both U.S. income taxes (subject to adjustment for foreign tax credits) and withholding taxes payable to various foreign countries. It is impractical to calculate the tax impact until such repatriation occurs.

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2012, 2011 and 2010

The following is a summary of the items that cause recorded income taxes to differ from taxes computed using the statutory federal income tax rate for the years ended December 31, 2012, 2011, and 2010:

	Year Ended December 31,		
	2012	2011	2010
Statutory federal income tax rate	35.0%	35.0%	35.0%
Effect of:			
State income tax, net of federal benefit	1.8	2.1	1.2
State credit carryforwards	(0.1)	(0.2)	(0.6)
Foreign operations		(4.9)	(0.8)
Tax exempt income			(0.1)
Tax contingencies		(0.3)	0.7
Other permanent differences	(0.7)	(1.1)	(3.7)
Change in valuation allowance		(1.6)	1.1
Income taxes	36.0%	29.0%	32.8%

A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows for the years ended December 31, 2012, 2011, and 2010 (in thousands):

	December 31,		
	2012	2011	2010
Unrecognized tax benefits at January 1,	\$ (2,328)	\$ (2,435)	\$ (2,331)
Gross amount of increases in unrecognized tax benefits as a result of tax positions taken during a prior period	(47)	(40)	(527)
Gross amount of decreases in unrecognized tax benefits as a result of tax positions taken during a prior period	87	40	360
Gross amount of increases in unrecognized tax benefits as a result of tax positions taken during the current period	(142)	(526)	(227)
Amounts of decreases in the unrecognized tax benefits relating to settlements with taxing authorities		228	159
Reductions to unrecognized tax benefits as a result of a lapse of the applicable statute of limitations	240	405	131
Unrecognized tax benefits at December 31,	\$ (2,190)	\$ (2,328)	\$ (2,435)

The Company's unrecognized tax benefits totaled \$2.2 million and \$2.3 million as of December 31, 2012 and 2011, respectively, of which substantially all, if recognized, would affect the effective tax rate.

The Company recognizes potential accrued interest and penalties related to unrecognized tax benefits within its global operations in income tax expense. For the years ended December 31, 2012, 2011, and 2010, the Company recognized \$0.2 million, \$0.1 million, and \$0.2 million, respectively, of expense for the potential payment of interest and penalties. Accrued interest and penalties were \$0.5 million for the years ended December 31, 2012, and 2011. The Company conducts business globally and, as a result, files income tax returns in the United State federal jurisdiction and in many state and foreign jurisdictions. The Company is generally no longer subject to U.S. federal, state, and local, or non-US

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income tax examinations for the years before 2009. Due to the expiration of statutes of limitations in multiple jurisdictions globally during 2013, the Company anticipates it is reasonably possible that unrecognized tax benefits may decrease by \$0.3 million.

4. Shareholders Equity

During 2012, 2011, and 2010, the Company purchased 1,944,828 shares, 3,607,267 shares, and 2,716,621 shares of the Company's common stock for approximately \$99.7 million, \$130.7 million, and \$76.5 million, respectively, through open market transactions as part of a publicly-announced share repurchase program. In January 2013, the Board of Directors increased the remaining share repurchase authority to \$50.0 million.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)****December 31, 2012, 2011 and 2010****5. Commitments and Contingencies***Leases*

Rents charged to expense were approximately \$5.8 million, \$5.7 million, and \$5.3 million for the years ended December 31, 2012, 2011, and 2010, respectively. During the first quarter of 2007, the Company extended its Atlanta headquarters lease, which was set to expire in March 2008, to September 30, 2018. The landlord funded leasehold improvements of \$7.9 million in conjunction with the new lease which was recorded as an increase in leasehold improvements and deferred rent. Additionally, the Company had a rent holiday from April to September 2008. In August 2012, the Company amended its Atlanta headquarters lease to obtain additional space and will receive reimbursement of \$0.2 million from the landlord for leasehold improvements as part of the agreement. The entire cash rent obligation is being amortized to expense on a straight line basis over the lease term.

Aggregate future minimum lease payments under noncancellable operating leases as of December 31, 2012 are as follows (in thousands):

Year Ending December 31,	
2013	\$ 6,630
2014	6,317
2015	5,452
2016	5,410
2017	5,368
Thereafter	3,733
Total minimum payments required	\$ 32,910

There are no future minimum lease payments under capital leases as of December 31, 2012.

Employment Agreements

The Company has entered into employment agreements with certain executives and other key employees. The agreements provide for total severance payments of up to approximately \$2.1 million for termination of employment for any reason other than cause. Pursuant to these agreements, payments would be made in equal monthly installments over a period of not more than 12 months. No amounts have been accrued because the payments are not probable and cannot be reasonably estimated.

Legal and Other Matters

From time to time, the Company may be involved in litigation relating to claims arising out of its ordinary course of business, and occasionally legal proceeding not in the ordinary course. Many of the Company's installations involve products that are critical to the operations of its clients businesses. Any failure in a Company product could result in a claim for substantial damages against the Company, regardless of the Company's responsibility for such failure. Although the Company attempts to limit contractually its liability for damages arising from product failures or negligent acts or omissions, there can be no assurance that the limitations of liability set forth in its contracts will be enforceable in all instances. The Company is not currently a party to any ordinary course legal proceeding or other legal proceedings the result of which it believes is likely to have a material adverse impact upon its business, financial position, results of operations, or cash flows. The Company expenses legal costs associated with loss contingencies as such legal costs are incurred.

6. Employee Benefit Plan

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The Company sponsors the Manhattan Associates 401(k) Plan and Trust (the 401(k) Plan), a qualified profit sharing plan with a 401(k) feature covering substantially all employees of the Company. Under the 401(k) Plan's deferred compensation arrangement, eligible employees who elect to participate in the 401(k) Plan may contribute up to 60% of eligible compensation up to \$17,000, as defined, to the 401(k) Plan. The Internal Revenue Service raised the eligible compensation limit to \$250,000 for 2012. During the second quarter of 2009, the Company suspended its 401(k) matching contribution for the remainder of 2009 and full year 2010. In 2011, the Company reinstated its matching contribution program, which provides for a 25% matching contribution up to 6% of eligible compensation being contributed after the participant's first year of employment. In 2012, the Company increased the 401(k) match to a 50% matching contribution up to 6% of eligible compensation. During the years ended December 31, 2012 and 2011, the Company made matching contributions to the 401(k) Plan of \$1.3 million, and \$0.9 million, respectively.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)****December 31, 2012, 2011 and 2010****7. Reporting Segments**

The Company manages the business by geographic segment. The Company has identified three geographic reportable segments: the Americas, EMEA, and APAC. All segments derive revenue from the sale and implementation of the Company's supply chain execution and planning solutions. The individual products sold by the segments are similar in nature and are all designed to help companies manage the effectiveness and efficiency of their supply chain. The Company uses the same accounting policies for each reporting segment. The chief executive officer and chief financial officer evaluate performance based on revenue and operating results for each region.

The Americas segment charges royalty fees to the other segments based on software licenses sold by those reporting segments. The royalties, which totaled \$2.9 million, \$2.2 million, and \$2.5 million in 2012, 2011, and 2010, respectively, are included in cost of revenue for each segment with a corresponding reduction in America's cost of revenue. The revenues represented below are from external customers only. The geographical-based costs consist of costs of professional services personnel, direct sales and marketing expenses, cost of infrastructure to support the employees and customer base, billing and financial systems, and management and support team. There are certain corporate expenses included in the Americas region that are not charged to the other segments, including research and development, certain marketing and general and administrative costs that support the global organization, and the amortization of acquired developed technology. Included in the Americas' costs are all research and development costs including the costs associated with the Company's India operations.

The operating expenses for the Americas segment include \$1.2 million and \$2.3 million of amortization expense on intangible assets in 2011 and 2010, respectively. Amortization expense on intangible assets in 2012 was immaterial.

In accordance with the segment reporting topic of the FASB Codification, the Company has included a summary of financial information by reportable segment. The following table presents the revenues, expenses, and operating income by reportable segment for the years ended December 31, 2012, 2011, and 2010 (in thousands):

	Year Ended December 31,							
	2012				2011			
	Americas	EMEA	APAC	Consolidated	Americas	EMEA	APAC	Consolidated
Revenue:								
Software license	\$ 50,036	\$ 9,569	\$ 1,889	\$ 61,494	\$ 45,506	\$ 6,362	\$ 2,373	\$ 54,241
Services	228,673	36,167	19,032	283,872	198,041	30,824	15,193	244,058
Hardware and other	28,883	1,402	597	30,882	29,312	1,109	533	30,954
Total revenue	307,592	47,138	21,518	376,248	272,859	38,295	18,099	329,253
Costs and Expenses:								
Cost of revenue	126,342	23,998	11,397	161,737	108,648	20,436	10,017	139,101
Operating expenses	110,575	13,153	5,072	128,800	106,439	12,268	5,317	124,024
Depreciation and amortization	5,158	262	218	5,638	6,741	352	191	7,284
Recovery of previously impaired investment					(2,519)			(2,519)
Total costs and expenses	242,075	37,413	16,687	296,175	219,309	33,056	15,525	267,890
Operating income	\$ 65,517	\$ 9,725	\$ 4,831	\$ 80,073	\$ 53,550	\$ 5,239	\$ 2,574	\$ 61,363

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)****December 31, 2012, 2011 and 2010**

	Year Ended December 31, 2010			
	Americas	EMEA	APAC	Total
Revenue:				
Software license	\$ 44,254	\$ 4,972	\$ 5,224	\$ 54,450
Services	176,912	26,269	10,569	213,750
Hardware and other	27,784	925	208	28,917
Total revenue	248,950	32,166	16,001	297,117
Costs and Expenses:				
Cost of revenue	102,682	17,634	8,476	128,792
Operating expenses	101,742	10,523	4,972	117,237
Depreciation and amortization	8,658	324	179	9,161
Total costs and expenses	213,082	28,481	13,627	255,190
Operating income	\$ 35,868	\$ 3,685	\$ 2,374	\$ 41,927

The following table presents the goodwill, long-lived assets, and total assets by reporting segment for the years ended December 31, 2012 and 2011 (in thousands):

	As of December 31, 2012				As of December 31, 2011			
	Americas	EMEA	APAC	Consolidated	Americas	EMEA	APAC	Consolidated
Goodwill	\$ 54,766	\$ 5,536	\$ 1,963	\$ 62,265	\$ 54,766	\$ 5,532	\$ 1,963	\$ 62,261
Long lived assets	15,810	800	699	17,309	15,090	586	598	16,274
Total assets	235,945	17,391	8,477	261,813	236,122	15,330	8,148	259,600

For the years ended December 31, 2012, 2011, and 2010, we derived revenue from sales to customers outside the United State of approximately \$104.4 million, \$90.7 million, and \$80.7 million, respectively. Our remaining revenue was derived from domestic sales.

Our services revenue consists of fees generated from professional services and customer support services and software enhancements related to our software products for the years ended December 31, 2012, 2011, and 2010, are as follows (in thousands):

	Year ended December 31,		
	2012	2011	2010
Professional services	\$ 185,242	\$ 156,794	\$ 131,871
Customer support and software enhancements	98,630	87,264	81,879
Total services revenue	\$ 283,872	\$ 244,058	\$ 213,750

License revenues related to our warehouse and non-warehouse product groups for the years ended December 31, 2012, 2011, and 2010, are as follows (in thousands):

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	Year ended December 31,		
	2012	2011	2010
Warehouse	\$ 40,068	\$ 33,560	\$ 30,966
Non-Warehouse	21,426	20,681	23,484
Total license revenue	\$ 61,494	\$ 54,241	\$ 54,450

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MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2012, 2011 and 2010

8. Subsequent Events

The American Taxpayer Relief Act of 2012 (the Act) was enacted on January 2, 2013. The Act retroactively reinstates the federal research and development tax credit for amounts incurred from January 1, 2012 through December 31, 2013, which will result in a reduction in our projected annual effective tax rate for 2013 and the associated income tax expense. Application of the reinstated provisions to the year ended December 31, 2012 would have reduced income tax expense for that period by approximately \$0.7 million. The benefit of the reduction in the annual effective tax rate will be included in our income tax expense beginning in the first quarter of 2013.

Table of Contents**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)****December 31, 2012, 2011 and 2010****9. Quarterly Results of Operations (Unaudited)**

Following is the quarterly results of operations of the Company for the years ended December 31, 2012 and 2011. The unaudited quarterly results have been prepared on substantially the same basis as the audited Consolidated Financial Statements.

	Quarter Ended							
	March 31, 2011	June 30, 2011	Sept 30, 2011	Dec 31, 2011	March 31, 2012	June 30, 2012	Sept 30, 2012	Dec 31, 2012
	(In thousands, except per share data)							
Statements of Income Data:								
Revenue:								
Software license	\$ 7,762	\$ 16,347	\$ 13,565	\$ 16,567	\$ 15,587	\$ 15,345	\$ 16,164	\$ 14,398
Services	56,078	63,774	63,594	60,612	70,370	69,322	71,886	72,294
Hardware and other	7,870	8,281	8,443	6,360	5,524	8,900	7,791	8,667
Total revenue	71,710	88,402	85,602	83,539	91,481	93,567	95,841	95,359
Costs and expenses:								
Cost of license	1,239	1,824	1,196	2,547	1,777	1,488	2,086	2,487
Cost of services	24,958	27,462	28,054	27,036	31,710	30,322	32,614	34,040
Cost of hardware and other	6,300	6,457	6,695	5,333	4,448	7,540	6,428	6,797
Research and development	10,383	10,676	10,877	10,436	11,551	10,802	11,400	10,951
Sales and marketing	10,600	12,309	10,865	10,170	12,403	11,415	10,999	10,805
General and administrative	8,676	9,238	9,342	10,452	10,308	9,240	9,258	9,668
Depreciation and amortization	2,001	2,223	1,698	1,362	1,344	1,418	1,379	1,497
Recovery of previously impaired investment			(2,519)					
Total costs and expenses	64,157	70,189	66,208	67,336	73,541	72,225	74,164	76,245
Operating income	7,553	18,213	19,394	16,203	17,940	21,342	21,677	19,114
Other income (loss), net	18	334	862	650	(124)	802	(247)	534
Income before income taxes	7,571	18,547	20,256	16,853	17,816	22,144	21,430	19,648
Income tax provision	405	6,208	5,379	6,328	6,414	7,972	7,621	7,178
Net income	\$ 7,166	\$ 12,339	\$ 14,877	\$ 10,525	\$ 11,402	\$ 14,172	\$ 13,809	\$ 12,470
Basic earnings per share	\$ 0.34	\$ 0.60	\$ 0.74	\$ 0.53	\$ 0.57	\$ 0.72	\$ 0.71	\$ 0.64
Diluted earnings per share	\$ 0.32	\$ 0.57	\$ 0.70	\$ 0.50	\$ 0.55	\$ 0.70	\$ 0.69	\$ 0.63
Shares used in computing basic earnings per share	21,027	20,696	20,156	19,941	19,904	19,765	19,568	19,409
Shares used in computing diluted earnings per share	22,079	21,775	21,125	20,923	20,637	20,351	20,130	19,913

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Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures designed to ensure that information required to be disclosed in reports filed under the Securities Exchange Act of 1934, as amended, is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and our Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

No system of controls, no matter how well designed and operated, can provide absolute assurance that the objectives of the system of controls are met, and no evaluation of controls can provide absolute assurance that the system of controls has operated effectively in all cases. Our disclosure controls and procedures, however, are designed to provide reasonable assurance that the objectives of disclosure controls and procedures are met.

As of the end of the period covered by this report, our Chief Executive Officer and Chief Financial Officer evaluated, with the participation of management, the effectiveness of our disclosure controls and procedures. Based on the evaluation, our Chief Executive Officer and Chief Financial Officer concluded that, as of the end of the period covered by this report, our disclosure controls and procedures were effective to provide reasonable assurance that the objectives of disclosure controls and procedures are met.

Management's Report on Internal Control over Financial Reporting

Management's assessment of the effectiveness of the Company's internal control over financial reporting as of December 31, 2012, and the report of Ernst & Young LLP on the effectiveness of the Company's internal control over financial reporting are contained on pages 41 and 42 of this report.

Change in Internal Control over Financial Reporting

During the fourth quarter of 2012, there were no changes in our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting, including any corrective actions with regard to material weaknesses.

Item 9B. Other Information

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this item is incorporated by reference from the information contained in our Proxy Statement for the Annual Meeting of Shareholders expected to be filed with the SEC on or prior to April 12, 2013, under the captions Election of Directors, Executive Officers, Section 16(a) Beneficial Ownership Reporting Compliance, Code of Ethics, and Board Committees.

Item 11. Executive Compensation

The information required by this item is incorporated by reference from the relevant information contained in our Proxy Statement for the Annual Meeting of Shareholders expected to be filed with the SEC on or prior to April 12, 2013, under the captions Director Compensation, Executive Compensation, Compensation Committee Interlocks and Insider Participation, and Compensation Committee Report.

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Item 12. *Security Ownership of Certain Beneficial Owners and Management and Related Shareholder Matters*

The information required by this item is incorporated by reference from the relevant information contained in our Proxy Statement for the Annual Meeting of Shareholders expected to be filed with the SEC on or prior to April 12, 2013, under the caption Security Ownership of Certain Beneficial Owners and Management. The information required by this item with respect to the Company's securities authorized for issuance under equity compensation plans is included in Part II, Item 5 of this Annual Report on Form 10-K and is incorporated by reference herein.

Item 13. *Certain Relationships and Related Transactions, and Director Independence*

The information required by this item is incorporated by reference from the relevant information contained in our Proxy Statement for the Annual Meeting of Shareholders expected to be filed with the SEC on or prior to April 12, 2013, under the captions Related Party Transactions and Election of Directors.

Item 14. *Principal Accountant Fees and Services*

The information required by this item is incorporated by reference from the relevant information contained in our Proxy Statement for the Annual Meeting of Shareholders expected to be filed with the SEC on or prior to April 12, 2013, under the caption Ratification of Appointment of Independent Registered Public Accounting Firm.

PART IV

Item 15. *Exhibits and Financial Statement Schedules*

(a) 1. *Financial Statements.*

The response to this item is submitted as a separate section of this Form 10-K. See Item 8.

2. *Financial Statement Schedule.*

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The following financial statement schedule is filed as a part of this report:

SCHEDULE II**MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES****VALUATION AND QUALIFYING ACCOUNTS**

Classification:	Balance at Beginning of Period	Additions Charged to Operations	Net Deductions	Balance at End of Period
Allowance for Doubtful Accounts				
For the year ended:				
December 31, 2010	\$ 4,943,000	\$ 3,467,000	\$ 2,699,000	\$ 5,711,000
December 31, 2011	\$ 5,711,000	\$ 2,508,000	\$ 3,403,000	\$ 4,816,000
December 31, 2012	\$ 4,816,000	\$ 4,294,000	\$ 2,875,000	\$ 6,235,000
Deferred Tax Asset Valuation Allowance				
For the year ended:				
December 31, 2010	\$ 7,887,000	\$	\$ 198,000	\$ 7,689,000
December 31, 2011	\$ 7,689,000	\$	\$ 978,000	\$ 6,711,000
December 31, 2012	\$ 6,711,000	\$	\$ 746,000	\$ 5,965,000
Restructuring Charge Accrual				
For the year ended:				
December 31, 2010	\$ 255,000	\$	\$ 192,000	\$ 63,000
December 31, 2011	\$ 63,000	\$	\$ 63,000	\$

All other schedules are omitted because they are not required or the required information is shown in the consolidated financial statements or notes thereto.

3. *Exhibits.*

See (b) below.

(b) The exhibits listed below under *Exhibit Index* are filed with or incorporated by reference in this Report. Where such filing is made by incorporation by reference to a previously filed registration statement or report, such registration statement or report is identified in parentheses.

(c) See Item 15(a)(2).

Table of Contents**SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

MANHATTAN ASSOCIATES, INC.

By: /s/ Eddie Capel
Eddie Capel
President, Chief Executive Officer, and Director

Date: February 22, 2013

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant in the capacities and on the dates indicated.

Signature	Title	Date
/s/ John J. Huntz, Jr. John J. Huntz, Jr.	Chairman of the Board	February 22, 2013
/s/ Eddie Capel Eddie Capel	President, Chief Executive Officer, and Director (Principal Executive Officer)	February 22, 2013
/s/ Dennis B. Story Dennis B. Story	Executive Vice President, Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)	February 22, 2013
/s/ Brian J. Cassidy Brian J. Cassidy	Director	February 22, 2013
/s/ Dan J. Lautenbach Dan J. Lautenbach	Director	February 22, 2012
/s/ Thomas E. Noonan Thomas E. Noonan	Director	February 22, 2013
/s/ Deepak Raghavan Deepak Raghavan	Director	February 22, 2013
/s/ Peter F. Sinisgalli Peter F. Sinisgalli	Director	February 22, 2013

Table of Contents**EXHIBIT INDEX**

The following exhibits are filed with this Report.

Exhibit Number	Description
2.1	Agreement and Plan of Merger, by and among the Registrant, Madison Acquisition Corp., Evant, Inc. and Ted Schlein, as Shareholder Representative, dated August 10, 2005 (Incorporated by reference to Exhibit 2.1 to the Company's Form 8-K (File No. 000-23999), filed on August 16, 2005).
2.2	Voting Agreement, by and between the Registrant and the shareholders of Evant, Inc., dated August 10, 2005 (Incorporated by reference to Exhibit 2.2 to the Company's Form 8-K (File No. 000-23999), filed on August 16, 2005).
2.3	Amendment Number 1 to Agreement and Plan of Merger, by and among Evant, Inc., the Registrant, Madison Acquisition Corp. and Ted Schlein, as Shareholder Representative, dated as of August 15, 2005 (Incorporated by reference to Exhibit 2.3 to the Company's Form 8-K (File No. 000-23999), filed on August 16, 2005).
3.1	Articles of Incorporation of the Registrant (Incorporated by reference to Exhibit 3.1 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
3.2	Amended Bylaws of the Registrant (As Amended Effective October 13, 2010) (Incorporated by reference to Exhibit 3.2 to the Company's Form 8-K (File No. 000-23999), filed on October 19, 2010).
4.1	Provisions of the Articles of Incorporation and Bylaws of the Registrant defining rights of the holders of common stock of the Registrant (Incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
4.2	Specimen Stock Certificate (Incorporated by reference to Exhibit 4.2 to the Company's Pre-Effective Amendment No. 1 to its Registration Statement on Form S-1 (File No. 333-47095), filed on April 2, 1998).
10.1	Lease Agreement by and between Wildwood Associates, a Georgia general partnership, and the Registrant dated September 24, 1997 (Incorporated by reference to Exhibit 10.1 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
10.2	First Amendment to Lease between Wildwood Associates, a Georgia general partnership, and the Registrant dated October 31, 1997 (Incorporated by reference to Exhibit 10.2 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
10.3	Second Amendment to Lease Agreement between Wildwood Associates, a Georgia general partnership, and the Registrant, dated February 27, 1998 (Incorporated by reference to Exhibit 10.8 to the Company's Pre-Effective Amendment No. 1 to its Registration Statement on Form S-1 (File No. 333-47095), filed on April 2, 1998).
10.4	Third Amendment to Lease Agreement between Wildwood Associates and the Registrant, dated October 24, 2000 (Incorporated by reference to Exhibit 10.9 to the Company's Annual Report for the period ended December 31, 2000 (File No. 000-23999), filed on April 2, 2001).
10.5	Lease Agreement by and between Wildwood Associates, a Georgia general partnership, and the Registrant, dated June 25, 2001 (Incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report for the period ended June 30, 2001 (File No. 000-23999), filed August 14, 2001).

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- 10.6 First Amendment to Lease Agreement between Wildwood Associates, and the Registrant, dated June 10, 2002 (Incorporated by reference to Exhibit 10.6 to the Company's Annual Report for the period ended December 31, 2006 (File No. 000-23999), filed on March 14, 2007).
- 10.7 Second Amendment to Lease Agreement between 2300 Windy Ridge Parkway Investors LLC, and the Registrant, dated February 27, 2007 (Incorporated by reference to Exhibit 10.7 to the Company's Annual Report for the period ended December 31, 2006 (File No. 000-23999), filed on March 14, 2007).
- 10.8 Lease Agreement by and between Tektronix UK Limited, Manhattan Associates Limited and Manhattan Associates, Inc., dated October 21, 1999 (Incorporated by reference to Exhibit 10.27 to the Company's Annual Report for the period ended December 31, 1999 (File No. 000-23999), filed on March 30, 2000).
- 10.9 Lease (Burlington Business Center) by and between Gateway Rosewood, Inc. and Manhattan Associates, Inc., dated August 23, 2004 (Incorporated by reference to Exhibit 10.7 to the Company's Annual Report for the period ended December 31, 2004 (File No. 000-23999), filed on March 16, 2005).
- 10.10 Agreement to Build and Lease between Orchid Apartments Private Limited and Manhattan Associates India Development Centre Private Limited, executed on November 19, 2004 (Incorporated by reference to Exhibit 10.8 to the Company's Annual Report for the period ended December 31, 2004 (File No. 000-23999), filed on March 16, 2005).
- 10.11 Lease Agreement between IGE Energy Services (UK) Limited, Manhattan Associates Limited and Manhattan Associates, Inc., dated February 1, 2005 (Incorporated by reference to Exhibit 10.9 to the Company's Annual Report for the period ended December 31, 2004 (File No. 000-23999), filed on March 16, 2005).
- 10.12 Sub-Sublease Agreement between Scientific Research Corporation, a Georgia corporation, and the Registrant, dated July 2, 1998 (Incorporated by reference to Exhibit 10.19 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
- 10.13 Sub-Sublease Agreement between The Profit Recovery Group International 1, Inc., a Georgia corporation, and the Registrant, dated August 19, 1998 (Incorporated by reference to Exhibit 10.20 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
- 10.14 Standard Sublease Agreement between Life Office Management Association, Inc. and the Registrant, dated October 20, 2000 (Incorporated by reference to Exhibit 10.17 to the Company's Annual Report for the period ended December 31, 2000 (File No. 000-23999), filed on April 2, 2001).
- 10.15 Standard Sublease Agreement between Chevron USA Inc. and the Registrant, dated November 20, 2000 (Incorporated by reference to Exhibit 10.18 to the Company's Annual Report for the period ended December 31, 2000 (File No. 000-23999), filed on April 2, 2001).
- 10.16 Form of Indemnification Agreement with certain directors and officers of the Registrant (Incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report for the period ended June 30, 2004 (File No. 000-23999), filed on August 9, 2004).
- 10.17 Form of Tax Indemnification Agreement for direct and indirect shareholders of Manhattan Associates Software, LLC (Incorporated by reference to Exhibit 10.7 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
- 10.18 Summary Plan Description of the Registrant's Money Purchase Plan & Trust, effective January 1, 1997 (Incorporated by reference to Exhibit 10.3 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).

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10.19	Summary Plan Description of the Registrant's 401(k) Plan and Trust, effective January 1, 1995 (Incorporated by reference to Exhibit 10.4 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
10.20*	Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 10.10 to the Company's Registration Statement on Form S-1 (File No. 333-47095), filed on February 27, 1998).
10.21*	First Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 10.22 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
10.22*	Second Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 10.23 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
10.23*	Third Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 10.24 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
10.24*	Fourth Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 10.25 to the Company's Annual Report for the period ended December 31, 1999 (File No. 000-23999), filed on March 30, 2000).
10.25*	Fifth Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 4.8 to the Company's Form S-8 (File No. 333-68968), filed on September 5, 2001).
10.26*	Sixth Amendment to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Annex A to the Company's Proxy Statement for its Annual Meeting held May 17, 2002 (File No. 000-23999), filed on April 24, 2002).
10.27*	Amendment No. 7 to the Manhattan Associates, Inc. 1998 Stock Incentive Plan (Incorporated by reference to Exhibit 4.10 to the Company's Form S-8 (File No. 333-105913), filed on June 6, 2003).
10.28*	Form of Composite Stock Option Agreement (Incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report for the period ended March 31, 2006 (File No. 000-23999), filed on May 4, 2006).
10.30(a)*	Executive Employment Agreement by and between the Registrant and Peter F. Sinisgalli, effective as of February 25, 2004 (Incorporated by reference to Exhibit 10.28 to the Company's Annual Report for the period ended December 31, 2003 (File No. 000-23999), filed on March 15, 2004).
(b)*	Modification dated July 19, 2007 by and between the Company and Peter F. Sinisgalli to the Executive Employment Agreement dated February 25, 2004 (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on July 24, 2007).
(c)*	Executive Employment Agreement by and between the Registrant and Peter F. Sinisgalli, effective as of April 13, 2012 (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on December 23, 2011).
10.31*	Separation and Non-Competition Agreement by and between the Registrant and Peter F. Sinisgalli, effective as of February 25, 2004 (Incorporated by reference to Exhibit 10.29 to the Company's Annual Report for the period ended December 31, 2003 (File No. 000-23999), filed on March 15, 2004).

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- 10.32* Executive Employment Agreement by and between the Registrant and Jeffrey Mitchell, effective as of September 3, 1999 (Incorporated by reference to Exhibit 10.32 to the Company's Annual Report for the period ended December 31, 2003 (File No. 000-23999), filed on March 15, 2004).
- 10.33* Executive Non-Competition and Severance Agreement by and between the Registrant and Jeffrey S. Mitchell, dated June 22, 2004 (Incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report for the period ended June 30, 2004 (File No. 000-23999), filed on August 9, 2004).
- 10.34* Executive Employment Agreement by and between the Registrant and Jeffry Baum, effective as of October 30, 2000 (Incorporated by reference to Exhibit 10.36 to the Company's Annual Report for the period ended December 31, 2003 (File No. 000-23999), filed on March 15, 2004).
- 10.35* Executive Employment Agreement by and between the Registrant and Dennis B. Story, effective as of February 18, 2006 (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on February 22, 2006).
- 10.36* Severance and Non-Competition Agreement by and between the Registrant and Dennis B. Story, effective as of February 18, 2006 (Incorporated by reference to Exhibit 10.2 to the Company's Form 8-K (File No. 000-23999), filed on February 22, 2006).
- 10.37* Executive Employment Agreement by and between the Registrant and Pervinder Johar, effective as of March 30, 2006. (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on January 2, 2009).
- 10.38* Severance and Non-Competition Agreement by and between the Registrant and Pervinder Johar, effective as March 30, 2006. (Incorporated by reference to Exhibit 10.2 to the Company's Form 8-K (File No. 000-23999), filed on January 2, 2009).
- 10.39* Separation Agreement and Release by and between the Registrant and Pervinder Johar, dated December 31, 2008. (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on January 7, 2009).
- 10.40* Form of Modification Agreement for Terms and Conditions for Stock Options. (Incorporated by reference to Exhibit 10.3 to the Company's Form 8-K (File No. 000-23999), filed on January 2, 2009).
- 10.41* Severance and Non-Competition Agreement by and between the Registrant and David Dabbieri, effective as of September 29, 2008. (Incorporated by reference to Exhibit 10.4 to the Company's Form 8-K (File No. 000-23999), filed on January 2, 2009).
- 10.42 Form of License Agreement, Software Maintenance Agreement and Consulting Agreement (Incorporated by reference to Exhibit 10.18 to the Company's Pre-Effective Amendment No. 1 to its Registration Statement on Form S-1 (File No. 333-47095), filed on April 2, 1998).
- 10.43 Form of Software License, Services and Maintenance Agreement (Incorporated by reference to Exhibit 10.21 to the Company's Annual Report for the period ended December 31, 1998 (File No. 000-23999), filed on March 31, 1999).
- 10.44* 2007 Stock Incentive Plan, as amended by the First Amendment thereto (Incorporated by reference to Annex A to the Company's Definitive Proxy Statement related to its 2009 Annual Meeting of Shareholders (File No. 000-23999) filed on April 20, 2009).

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10.45*	Written Summary of Manhattan Associates, Inc. 2009 Annual Cash Incentive Plan (Incorporated by reference to Exhibit 10.1 to the Company's Form 8-K (File No. 000-23999), filed on June 19, 2009).
10.46*	Written Summary of Manhattan Associates, Inc. 2009 Supplemental Cash Incentive Plan (Incorporated by reference to Exhibit 10.2 to the Company's Form 8-K (File No. 000-23999), filed on June 19, 2009).
10.47*	Written Summary of Manhattan Associates, Inc. Annual Cash Incentive Plan (Incorporated by reference to Exhibit 10.47 to the Company's Annual Report for the period ended December 31, 2009 (File No. 000-23999), filed on February 19, 2010).
10.48*	Form of Manhattan Associates, Inc. Restricted Stock Award Agreement for Employees (Incorporated by reference to Exhibit 10.48 to the Company's Annual Report for the period ended December 31, 2009 (File No. 000-23999), filed on February 19, 2010).
10.49*	Form of Manhattan Associates, Inc. Restricted Stock Award Agreement for Non-Employee Directors (Incorporated by reference to Exhibit 10.49 to the Company's Annual Report for the period ended December 31, 2009 (File No. 000-23999), filed on February 19, 2010).
10.50*	Form of Manhattan Associates, Inc. Restricted Stock Unit Award Agreement for Employees (Incorporated by reference to Exhibit 10.50 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
10.51*	Form of Manhattan Associates, Inc. Restricted Stock Unit Award Agreement for Non-Employee Directors (Incorporated by reference to Exhibit 10.51 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
10.52*	Executive Employment Agreement by and between the Registrant and Bruce Richards, effective as of August 1, 2011 (Incorporated by reference to Exhibit 10.51 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
10.53*	Severance and Non-Competition Agreement by and between the Registrant and Bruce Richards, effective as of August 1, 2011 (Incorporated by reference to Exhibit 10.51 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
10.54*	Modification Agreement for Terms and Conditions for Stock Options by and between the Registrant and Eddie Capel, effective as of June 4, 2007 (Incorporated by reference to Exhibit 10.51 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
10.55*	Severance and Non-Competition Agreement by and between the Registrant and Eddie Capel, effective as of March 18, 2010 (Incorporated by reference to Exhibit 10.51 to the Company's Annual Report for the period ended December 31, 2012 (File No. 000-23999), filed on February 23, 2012).
21.1	List of Subsidiaries.
23.1	Consent of Ernst & Young LLP, Independent Registered Public Accounting Firm.
31.1	Certification of Principal Executive Officer pursuant to Rule 13a-14(a)/15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	Certification of Principal Financial Officer pursuant to Rule 13a-14(a)/15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

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32 ** Certification of Principal Executive Officer and Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

101.INS*** XBRL Instance Document

101.SCH*** XBRL Taxonomy Extension Schema Document

101.CAL*** XBRL Taxonomy Extension Calculation Linkbase Document

101.DEF*** XBRL Taxonomy Extension Definition Linkbase Document

101.LAB*** XBRL Taxonomy Extension Label Linkbase Document

101.PRE*** XBRL Taxonomy Extension Presentation Linkbase Document

* Management contract or compensatory plan or agreement.

** In accordance with Item 601(b)(32)(ii) of the SEC's Regulation S-K, this Exhibit is hereby furnished to the SEC as an accompanying document and is not deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933.

*** In accordance with Rule 406T of Regulation S-T, the XBRL related information in Exhibit 101 to this Annual Report on Form 10-K shall not be deemed to be filed for purposes of Section 18 of the Exchange Act, or otherwise subject to the liability of that section, and shall not be incorporated by reference into any registration statement or other document filed under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

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 N.A1\$145,318,990.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CAPE COD FIVE
 CENTS SAVINGS1\$129,365.630.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CATTLE
 NATIONAL BANK AND TRUST
 COMPANY1\$139,324.400.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CENTRAL
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 AND DISCOUNT BANK1\$132,600.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 PARK NATIONAL
 BANK1\$140,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TINKER FEDERAL
 CREDIT UNION1\$126,400.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TITLE
 ORDERS - BENEFICIAL
 BANK1\$131,500.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUMARK FINANCIAL
 CREDIT UNION1\$136,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTONE
 FINANCIAL FEDERAL CREDIT
 UNION1\$134,797.890.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TWINSTAR CREDIT
 UNION1\$135,050.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TWO RIVERS BANK &
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 CORPORATION1\$139,200.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA
 BANK1\$131,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK,
 AN OHIO CORPORATION3\$402,368.601%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 BANK & TRUST NA1\$131,500.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 COMMUNITY BANK1\$135,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 WHOLESALE
 MORTGAGE23\$3,183,859.167.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY
 OF IOWA COMMUNITY CREDIT UNION, A STATE CHARTERED CREDIT

UNION1\$141,890.800.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UTAH COMMUNITY
 FEDERAL CREDIT UNION2\$252,852.570.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW
 CREDIT UNION1\$144,373.840.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERVE, A
 CREDIT UNION1\$132,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VISIONBANK
 OF IOWA, A
 CORPORATION1\$150,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAYNE BANK
 & TRUST1\$126,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAYNE BANK AND
 TRUST1\$130,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEST ALABAMA
 BANK & TRUST1\$127,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCOAST
 MORTGAGE GROUP & REALTY
 COMPANY1\$150,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTERN SUN
 FEDERAL CREDIT
 UNION1\$141,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST
 MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO.,
 N.A.3\$417,800.001.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB, N.A. DBA ZIONS
 BANK1\$140,250.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 290\$40,106,617.61100%1\$14**
 MORTGAGE
 CORPORATION4\$644,977.001.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIANT
 CREDIT UNION1\$174,266.840.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED
 MORTGAGE GROUP,
 INC2\$307,720.100.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST
 FEDERAL CREDIT
 UNION4\$659,576.781.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN HERITAGE
 FEDERAL CREDIT
 UNION1\$167,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN NATIONAL
 BANK & TRUST1\$151,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST
 FINANCIAL
 CORPORATION1\$172,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOME
 MORTGAGE
 COMPANY1\$160,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
 MORTGAGE
 CORPORATION1\$159,744.360.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BADGER
 BANK1\$160,303.200.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH
 BANK4\$650,158.121.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF BOLIVAR, A
 MISSOURI BANKING
 CORPORATION1\$175,000.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE
 WEST, A CALIFORNIA STATE BANKING
 CORP2\$314,164.760.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT
 UNION1\$158,325.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY
 BANK1\$159,250.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY
 LLC1\$155,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY,
 LLC1\$172,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BENTON STATE
 BANK1\$150,425.050.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI FEDERAL
 BANK1\$166,500.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROADWAY
 BANK1\$158,831.770.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS
 INC. DBA NEW AMERICAN
 FUNDING3\$470,841.641.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE
 SERVICES, INC1\$166,410.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CAMBRIDGE
 SAVINGS BANK1\$162,707.810.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL
 FINANCIAL COMPANY, LIMITED
 PARTNERSHIP3\$480,971.001.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON

BANK1\$153,603,550.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$154,000,000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK3\$497,047,451.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK KALAMAZOO DOWNTOWN1\$175,000,000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHERRY CREEK MORTGAGE CO., INC2\$325,387,780.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION3\$484,413,811.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMC HOME LENDING1\$154,350,620.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA2\$341,410,060.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY BANK MANKATO1\$168,680,130.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$160,873,190.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME LENDING, INC3\$493,531,011.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT HUMAN FEDERAL CREDIT UNION1\$155,500,000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT UNION ONE1\$158,255,000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CRESCENT MORTGAGE COMPANY1\$173,000,000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION1\$173,740,000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A1\$150,710,440.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MORTGAGE DIRECT, LLC1\$158,000,000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUMBERLAND FEDERAL BANK FSB1\$164,000,000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEDHAM INSTITUTION FOR SAVINGS1\$160,000,000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU FINANCIAL2\$333,000,000.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY LTD1\$152,792,000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD3\$491,105,931.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DIAMOND RESIDENTIAL MORTGAGE CORPORATION1\$168,000,000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC3\$475,212,281.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENT CREDIT UNION2\$323,427,340.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD1\$161,100,000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EQUITY RESOURCES, INC1\$162,500,000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA F&B ACQUISITION GROUP, LLC1\$164,792,470.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION4\$646,400,001.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMERS & MERCHANTS SAVINGS BANK1\$160,000,000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK1\$161,693,300.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY COOPERATIVE BANK1\$168,277,510.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC2\$336,491,760.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA MORTGAGE LLC2\$325,348,900.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK1\$153,600,000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CITIZENS BANK1\$168,000,000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK & TRUST1\$170,000,000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST GUARANTY MORTGAGE CORPORATION DBA GOODMORTGAGE.COM1\$152,000,000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST

HOME MORTGAGE

CORPORATION1\$159,329.670.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 INTERSTATE BANK2\$327,296.160.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 MIDWEST BANK1\$153,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 MISSOURI STATE BANK OF CAPE
 C1\$173,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK1\$169,500.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF HARTFORD2\$341,000.000.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF LE
 CENTER1\$161,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF OMAHA2\$321,144.420.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE
 BANK1\$165,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST TECHNOLOGY
 FEDERAL CREDIT
 UNION2\$322,000.000.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORWARD FINANCIAL
 BANK1\$166,400.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSDEN BANK AND
 TRUST1\$172,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY
 MORTGAGE GROUP, LLC,
 ISAOA/ATIMA1\$158,100.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS,
 LLC2\$315,750.000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT MIDWEST
 BANK1\$164,287.470.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
 INC., A DELAWARE
 CORPORATION1\$152,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN
 MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A, A NATIONAL
 ASSOCIATION1\$150,250.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
 MORTGAGE
 COMPANY3\$482,950.001.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HARTFORD
 FINANCIAL1\$172,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAWAII LAW
 ENFORCEMENT FEDERAL
 CRED1\$160,304.740.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS BANK AND TRUST
 COMPANY2\$331,309.060.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FEDERAL
 SAVINGS BANK1\$168,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME LOAN
 ALLIANCE, LLC1\$164,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT
 FINANCIAL
 CORPORATION4\$665,455.281.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC2\$322,000.000.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL
 SERVICES, INC DBA CAPWEST HOME
 LOANS1\$175,000.000.44%1\$169,718.61NA0\$0.00NA1\$169,718.61NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO
 CENTRAL CREDIT UNION3\$491,339.301.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G.
 WENTWORTH HOME LENDING, INC. -
 CONV3\$502,011.241.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JAMES B. NUTTER &
 COMPANY1\$171,859.380.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN
 CREDIT UNION1\$150,547.060.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK
 CREDIT
 UNION3\$478,571.411.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAPFCU1\$160,850.000.4%0\$0.00
 BANK N.A1\$164,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAQUOKETA
 STATE BANK1\$164,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARQUETTE
 BANK (24859)1\$153,219.960.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGA CAPITAL
 FUNDING, INC1\$152,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERIWEST
 MORTGAGE COMPANY,
 LLC1\$155,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERRIMACK MORTGAGE

COMPANY, LLC1\$172,865.290.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA METRO CREDIT UNION1\$162,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$169,273.230.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST HERITAGE BANK, A FEDERAL SA1\$160,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST HERITAGE BANK, FSB, A FEDERAL SAVINGS BANK2\$341,200.000.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSOURI CREDIT UNION1\$160,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC BANK4\$646,150.001.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEIGHBORHOOD MORTGAGE, INC1\$152,100.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH AMERICAN STATE BANK1\$170,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD NATIONAL BANK1\$162,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONPOINT COMMUNITY CREDIT UNION1\$165,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$155,140.630.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC4\$656,620.851.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARK BANK1\$157,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATELCO CREDIT UNION1\$169,278.730.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - LYNDEN1\$162,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES STATE BANK1\$169,500.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION2\$323,133.100.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORT WASHINGTON STATE BANK1\$159,920.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMEWEST MORTGAGE CORPORATION1\$162,992.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROVIDENT CREDIT UNION1\$170,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P FUNDING INC1\$171,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION1\$161,770.930.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE BANK1\$173,973.960.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING CORPORATION2\$320,100.000.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF MORTGAGE COMPANY, INC. D/B/A RUOFF HOME MORTGAGE1\$171,750.040.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SALEM FIVE MORTGAGE COMPANY, LLC2\$327,000.000.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK, N.A2\$325,224.330.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SEAMEN'S BANK1\$173,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY SAVINGS BANK, A DIVISION OF FARMERS & MERCHANTS SAVINGS BANK, A CORPORATION1\$151,343.610.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SHORE MORTGAGE1\$156,086.610.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SKYLINE HOME LOANS1\$158,500.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP1\$166,750.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH PORTE BANK1\$151,200.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK1\$165,282.960.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN TRUST MORTGAGE, LLC1\$174,320.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST CREDIT UNION4\$648,100.001.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STANDARD MORTGAGE CORP2\$325,499.110.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATEWIDE MORTGAGE1\$158,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT

UNION2\$332,100.000.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TD BANK,
 N.A1\$173,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CAPE COD FIVE
 CENTS SAVINGS1\$155,400.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 CENTRAL TRUST BANK1\$173,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 OLD FORT BANKING COMPANY, A
 CORPORATION1\$154,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THIRD
 FEDERAL SAVINGS AND LOAN ASSOCIATION OF
 CLEVELAND2\$328,403.580.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIAA,FSB1\$160,000.000.4
 FEDERAL CREDIT
 UNION1\$163,900.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 BANK1\$157,942.170.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED COMMUNITY
 BANK1\$154,750.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FINANCIAL
 GROUP, LLC1\$169,888.180.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 WHOLESALE
 MORTGAGE16\$2,571,484.396.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY
 FEDERAL CREDIT
 UNION1\$155,450.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF IOWA
 COMMUNITY CREDIT
 UNION1\$173,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF IOWA
 COMMUNITY CREDIT UNION, A STATE CHARTERED CREDIT
 UNION1\$151,111.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UTAH COMMUNITY
 FEDERAL CREDIT UNION3\$490,435.001.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW
 CREDIT UNION1\$160,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY
 NATIONAL
 BANK3\$510,000.001.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VISIONBANK OF IOWA,
 A CORPORATION1\$162,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST
 MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO.,
 N.A2\$326,929.740.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 247\$40,178,762.55100% 1\$169,**
 MORTGAGE
 CORPORATION1\$180,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACE
 MORTGAGE LLC1\$195,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALERUS
 FINANCIAL, N.A. DBA ALERUS
 MORTGAGE1\$186,623.740.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED
 MORTGAGE GROUP,
 INC1\$191,079.610.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED MORTGAGE
 GROUP, INC - COR1\$184,714.930.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO
 NATIONAL BANK1\$185,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA
 FIRST FEDERAL CREDIT
 UNION1\$198,204.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN BANK OF
 THE NORTH1\$199,144.980.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN
 HERITAGE FEDERAL CREDIT
 UNION1\$187,204.350.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET
 MORTGAGE,
 INC1\$195,300.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOM MORTGAGE
 COMPANY1\$194,304.910.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSEMBLIES OF
 GOD CREDIT UNION1\$199,800.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC
 BAY MORTGAGE GROUP,
 LLC1\$183,221.290.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
 BOTETOURT1\$185,250.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE
 WEST, A CALIFORNIA STATE BANKING
 CORP1\$189,984.320.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BEVERLY-HANKS

MORTGAGE SERVICES1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI
 FEDERAL BANK1\$198,966.710.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA
 BANK OF TEXAS1\$183,603.700.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER
 BANK, NATIONAL
 ASSOCIATION1\$199,162.100.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER
 SOLUTIONS INC. DBA NEW AMERICAN
 FUNDING2\$384,900.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER
 SOLUTIONS INC., DBA NEW AMERICAN
 FUNDING1\$177,000.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON
 BANK1\$195,600.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CASTLE & COOKE
 MORTGAGE, LLC2\$376,250.000.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL
 BANK1\$199,500.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF ST.
 LOUIS1\$189,187.740.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING
 COMPANY1\$190,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL
 BANK1\$192,115.800.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK
 TRAVERSE CITY
 GARFIELD1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL
 MORTGAGE
 CORPORATION2\$381,670.640.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS
 BANK OF LAS
 CRUCES1\$189,195.890.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS FIRST
 BANK1\$176,000.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY STATE
 BANK1\$197,717.490.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLARA LENDING
 CO1\$189,187.740.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE INC.,
 DBA CMG FINANCIAL2\$373,585.550.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG
 MORTGAGE, INC. DBA CMG
 FINANCIA1\$183,200.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COASTAL
 FEDERAL CREDIT
 UNION1\$182,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMONWEALTH
 BANK & TRUST
 COMPANY1\$179,245.880.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY
 CREDIT UNION OF
 LYNN1\$190,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY STATE
 BANK1\$181,500.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITYAMERICA
 CREDIT UNION1\$189,203.990.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMPASS
 MORTGAGE
 INC1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME
 LENDING,
 INC1\$179,238.210.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY
 MORTGAGE, INC., A
 CORPORATION1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MORTGAGE
 DIRECT, LLC1\$185,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUMBERLAND
 FEDERAL BANK FSB1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI
 MORTGAGE COMPANY,
 LTD1\$198,952.970.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
 MORTGAGE, LLC1\$199,136.330.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENDEAVOR
 CAPITAL, LLC1\$191,784.890.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ESSEX
 RESIDENTIAL MORTGAGE,
 LLC1\$185,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT
 MORTGAGE
 CORPORATION5\$939,529.482.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMERS

AND MERCHANTS BANK, A
CORPORATION1\$180,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMINGTON
BANK1\$189,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE,
LLC1\$195,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA
LLC2\$377,662.100.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
BANK1\$199,073.910.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANKERS TRUST
COMPANY, N.A1\$195,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST HOME
MORTGAGE
CORPORATION1\$182,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
INTERNATIONAL BANK & TRUST, A
CORPORATION1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
INTERNET BANK OF
INDIANA2\$375,222.700.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERSTATE
BANK3\$584,700.001.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
BANK OF OMAHA1\$179,230.480.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
NORTHERN CREDIT
UNION1\$186,750.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE
BANK1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF
ST. CHARLES, MO1\$188,183.830.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
TENNESSEE BANK NATIONAL
ASSOCIATION1\$176,833.060.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
WASHINGTON MORTGAGE,
LLC1\$179,119.790.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK &
TRUST COMPANY4\$740,382.841.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT
BRANCH MORTGAGE, INC., A MISSOURI
CORPORATION1\$197,162.030.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FNBA ATTN:
MORTGAGE LENDING
DEPARTMENT1\$190,183.460.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY
MORTGAGE GROUP, LLC,
ISAOA/ATIMA2\$380,951.780.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GEORGIA'S
OWN CREDIT UNION1\$190,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN
EMPIRE MORTGAGE,
INC1\$181,300.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT SOUTHERN
BANK1\$187,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
INC., A DELAWARE
CORPORATION2\$359,230.480.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
MORTGAGE COMPANY4\$753,752.171.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
POINT FINANCIAL
CORPORATION6\$1,120,685.032.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
FINANCIAL SERVICES,
INC3\$580,878.731.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING
CORP DBA MCGLONE MORTGAGE
GROUP1\$189,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET
BANK3\$562,192.241.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A
IBERIABANK MORTGAGE1\$189,179.510.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IH
MISSISSIPPI VALLEY CREDIT UNION, A
CORPORATION1\$198,700.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ILLINOIS
NATIONAL BANK, A
CORPORATION2\$376,000.000.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G.
WENTWORTH HOME LENDING, INC. -
CONV6\$1,146,569.992.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL

ASSOCIATION2\$361,953.900.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW
 LOAN SERVICING
 LLC4\$766,730.951.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT
 UNION2\$367,206.350.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LENDERFI,
 INC1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LHM FINANCIAL
 CORPORATION DBA CNN
 MORTGAGE1\$182,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY
 BANK1\$199,078.940.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA M/I FINANCIAL,
 LLC3\$575,620.791.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCHANTS BANK,
 NATIONAL
 ASSOCIATION2\$395,000.000.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MICHIGAN
 MUTUAL, INC1\$199,144.980.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID-ILLINI
 CREDIT UNION1\$190,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MJW
 FINANCIAL LLC1\$194,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUND CITY
 BANK1\$188,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN LAKES
 MORTGAGE INC1\$180,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN
 WEST FINANCIAL,
 INC1\$179,238.210.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MURPHY-WALL STATE
 BANK AND TRUST
 CO1\$196,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL EXCHANGE
 BANK & TRUST1\$179,755.480.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS
 DIRECT MORTGAGE, LLC. DBA MOTIVE
 LENDING1\$179,238.210.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEWTOWN
 SAVINGS BANK1\$194,400.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD
 NATIONAL BANK2\$394,430.000.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD
 SECOND NATIONAL
 BANK1\$180,750.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT
 RESIDENTIAL MORTGAGE GROUP,
 INC1\$177,254.260.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARK
 BANK1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARKSIDE LENDING
 LLC1\$189,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE
 CORPORATION3\$569,913.941.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER
 BANK & TRUST1\$186,400.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER
 BANK, FEDERAL SAVINGS
 BANK1\$175,250.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM
 MORTGAGE, INC1\$191,170.880.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORT
 WASHINGTON STATE
 BANK1\$186,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIA MORTGAGE,
 LLC1\$185,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIER BANK, A
 NEBRASKA BANKING
 CORPORATION1\$178,648.400.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY
 HOME MORTGAGE,
 LLC1\$184,224.930.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PUBLIC SERVICE
 MORTGAGE1\$182,180.070.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT
 BANK2\$378,367.680.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESULTS MORTGAGE,
 LLC1\$180,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT
 MORTGAGE SERVICING
 CORPORATION1\$183,129.540.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL
 CREDIT UNION1\$175,500.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING
 CORP2\$365,000.000.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOMERSET TRUST
 COMPANY1\$188,766.180.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE

BANK1\$182,723.400.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STAT BANK AND TRUST COMPANY, A STATE CHARTERED

BANK1\$199,162.100.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION1\$182,309.310.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TD BANK, N.A.1\$197,400.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MONEY SOURCE INC1\$178,400.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MORTGAGE FIRM, INC1\$185,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THIRD FEDERAL SAVINGS AND LOAN ASSOCIATION OF CLEVELAND1\$187,194.010.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIAA,FSB1\$146,003.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SERVICES, LLC1\$200,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRIDENT MORTGAGE COMPANY LP1\$183,133.730.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TWINSTAR CREDIT UNION1\$188,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK, AN OHIO CORPORATION6\$1,144,250.772.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE18\$3,384,833.758.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF IOWA COMMUNITY CREDIT UNION, A STATE CHARTERED CREDIT UNION1\$177,000.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEI MORTGAGE, LLC2\$360,801.100.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCONSIN CREDIT UNION1\$185,808.290.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTEX GROUP LLC DBA FIRST LENDING, A TEXAS LIMITED LIABILITY COMPANY1\$193,170.640.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WMS SERIES LLC1\$199,035.990.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable3\$558,245.881.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CORPORATION1\$69,256.960.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALPINE BANK & TRUST CO3\$187,600.000.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK2\$143,181.240.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA'S FIRST FEDERAL CREDIT UNION1\$57,749.530.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC1\$75,100.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PORTFOLIO MORTGAGE CORP1\$69,108.650.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN SAVINGS BANK, F.S.B1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION1\$71,378.160.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARVEST BANK2\$154,014.840.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASHLAND CREDIT UNION1\$30,142.320.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION4\$265,859.491.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE FINANCIAL GROUP, LLC ISAOAATIMA1\$82,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AVAILA BANK, AN IOWA CORPORATION1\$68,550.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK3\$192,928.210.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK FORWARD1\$60,741.840.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF DEERFIELD1\$64,900.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF SPRINGFIELD2\$125,300.000.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF SULLIVAN1\$83,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANKIOWA1\$49,480.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OF KANSAS2\$112,840.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BEST HOMETOWN

BANK1\$50,018.250.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BETTER
 BANKS1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK
 BANK1\$68,500.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK
 COMMUNITY CREDIT
 UNION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLOOMBANK1\$47,769.150.24%0\$0.00NA DBA BANK OF
 TEXAS1\$70,696.470.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS
 INC1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC.,
 DBA NEW AMERICAN
 FUNDING1\$76,800.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON
 MORTGAGE SERVICES,
 LLC6\$414,995.142.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON
 BANK1\$68,400.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CBC NATIONAL
 BANK1\$57,000.000.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK
 ILLINOIS1\$80,308.990.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL MINNESOTA
 CREDIT UNION1\$82,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL
 SAVINGS BANK1\$55,760.590.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL
 BANK4\$234,368.991.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK
 CADILLAC
 DOWNTOWN1\$39,830.720.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK
 COLDWATER
 WILLOWBROOK1\$45,805.320.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL
 BANK TRAVERSE CITY
 GARFIELD1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL
 MORTGAGE
 CORPORATION1\$56,700.000.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS
 COMMUNITY BANK1\$81,645.890.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS
 FIRST BANK2\$97,545.720.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS STATE
 BANK1\$52,000.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL NATIONAL
 MORTGAGE, A DIVISION OF COLONIAL SAVINGS,
 F.A2\$159,549.330.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST
 CREDIT UNION1\$74,676.130.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS
 CREDIT UNION2\$169,000.000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COOSA
 VALLEY CREDIT
 UNION1\$71,200.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORTRUST
 MORTGAGE, INC3\$216,700.001.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COUNTY
 BANK1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COVANTAGE CREDIT
 UNION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROGHAN COLONIAL
 BANK1\$62,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY
 MORTGAGE, INC., A
 CORPORATION1\$83,648.080.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUSO HOME
 LENDING1\$84,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAKOTA WEST
 CREDIT UNION1\$83,187.330.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAKOTALAND
 FEDERAL CREDIT
 UNION1\$52,200.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESCO FEDERAL
 CREDIT UNION1\$46,301.210.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU
 FINANCIAL2\$146,181.930.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE
 COMPANY, LTD. LIMITED
 PARTNERSHIP1\$51,750.550.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUPACO
 COMMUNITY CREDIT
 UNION2\$104,800.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUPAGE CREDIT

UNION1\$66,750.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC2\$120,487.910.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMPOWER FEDERAL CREDIT
 UNION5\$304,126.631.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVISION CAPITAL INC1\$80,361.900.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EXCHANGE BANK OF MISSOURI1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMERS & MERCHANTS BANK1\$56,557.170.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$84,393.150.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FEDERAL HOME LOAN BANK OF CHICAGO1\$67,621.680.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIREFIGHTERS CREDIT UNION1\$70,799.100.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK RICHMOND1\$32,900.000.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANKERS TRUST COMPANY, N.A1\$45,000.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COMMUNITY CREDIT
 UNION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK OF OHIO2\$63,950.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK OF THE MIDWEST1\$72,500.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FINANCIAL BANK1\$43,682.890.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FLIGHT FCU1\$69,672.900.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERSTATE BANK1\$70,699.510.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MIDWEST BANK1\$51,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF STEELEVILLE1\$51,150.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST PEOPLES CFCU1\$44,000.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF ILLINOIS1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK SHANNON-POLO1\$51,850.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE COMMUNITY BANK1\$79,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST TECHNOLOGY FEDERAL CREDIT
 UNION2\$163,000.000.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY4\$283,377.581.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK PUERTO RICO1\$80,657.200.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH MORTGAGE, INC., A MISSOURI CORPORATION2\$121,000.000.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORT COMMUNITY CREDIT
 UNION1\$45,000.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORUM CREDIT UNION3\$200,190.260.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FOX RIVER STATE BANK1\$59,043.490.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSEN BANK & TRUST1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKENMUTH CREDIT UNION1\$39,832.420.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRIENDS AND FAMILY CREDIT
 UNION1\$37,740.790.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FULTON BANK, N.A2\$131,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU3\$175,835.570.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST BANK1\$51,775.440.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GTE FEDERAL CREDIT UNION1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC., A DELAWARE CORPORATION2\$134,251.410.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY5\$344,118.191.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT UNION1\$81,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HICKORY POINT BANK & TRUST1\$45,807.280.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS BANK

AND TRUST

COMPANY2\$142,587.470.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOLYOKE CREDIT UNION1\$81,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FEDERAL SAVINGS BANK2\$95,038.070.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME SAVINGS BANK2\$158,532.940.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC1\$54,000.000.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONDA FEDERAL CREDIT UNON1\$51,981.310.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR CREDIT UNION1\$69,600.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOPEWELL FEDERAL CREDIT UNION1\$67,423.580.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON BANK2\$98,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON CREDIT UNION CORPORATION1\$73,100.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HUDSON VALLEY FEDERAL CREDIT UNION1\$61,750.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL CREDIT UNION1\$83,900.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDEAL CREDIT UNION1\$44,700.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ILLINOIS NATIONAL BANK, A CORPORATION1\$38,500.000.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IOWA BANKERS MORTGAGE CORPORATION1\$61,200.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JEFFERSON BANK OF MISSOURI1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KANSAS STATE UNIVERSITY FEDERAL CREDIT UNION1\$81,357.710.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION2\$155,000.000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN CREDIT UNION1\$35,691.770.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAND HOME FINANCIAL SERVICES, INC1\$79,661.420.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT UNION3\$193,158.180.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEADER BANK N.A1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEIGHTON STATE BANK, A STATE CHART BANK1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIVE WELL FINANCIAL, INC1\$52,500.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MANUFACTURERS BANK & TRUST COMPANY1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAQUOKETA STATE BANK1\$40,750.000.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARINE BANK1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGASTAR FINANCIAL CORP1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER HOME LOAN, LLC1\$83,340.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCANTILE BANK1\$30,000.000.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCHANTS BANK, NATIONAL ASSOCIATION2\$161,372.650.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID-ILLINI CREDIT UNION1\$70,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$82,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWESTONE BANK1\$61,500.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MINNESOTA VALLEY FEDERAL CREDIT UNI1\$64,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSOURI CREDIT UNION1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONSON SAVINGS BANK1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONTICELLO BANKING COMPANY1\$49,790.520.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE

ASSURANCE INC1\$73,682.590.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CENTER LLC1\$67,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE FINANCIAL GROUP, INC1\$59,491.400.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN AMERICA CREDIT UNION3\$198,349.560.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEWTOWN SAVINGS BANK1\$73,600.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NMSI, INC1\$81,235.820.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD NATIONAL BANK2\$145,000.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIENTAL BANK1\$56,756.320.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIGIN BANK1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARK BANK1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATHWAYS FINANCIAL CREDIT UNION, INC2\$112,500.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK1\$73,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES INDEPENDENT BANK1\$55,000.000.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PERL MORTGAGE, INC1\$81,252.970.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION1\$64,919.080.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER FEDERAL CREDIT UNION1\$61,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM MORTGAGE, INC1\$70,658.720.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORT WASHINGTON STATE BANK1\$66,178.730.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRAIRIE STATE BANK & TRUST1\$53,200.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMEBANK1\$77,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OZARK BANK1\$49,790.410.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME MORTGAGE, LLC2\$148,868.590.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION1\$62,987.590.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT BANK1\$59,748.630.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESMAC, INC1\$67,500.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER VALLEY BANK1\$27,000.000.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROBINS FINANCIAL CREDIT UNION6\$348,909.041.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING CORPORATION2\$145,382.110.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION4\$267,900.781.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA S&T BANK1\$83,125.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SABINE STATE BANK & TRUST COMPANY1\$55,613.640.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAN MATEO CREDIT UNION1\$70,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY CREDIT UNION1\$45,850.000.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOLIDARITY COMMUNITY FCU1\$72,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOMERSET TRUST COMPANY1\$68,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH CAROLINA FEDERAL CREDIT UNION2\$115,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK3\$220,937.251.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST CREDIT UNION5\$296,574.851.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPC CREDIT UNION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STAR FINANCIAL BANK1\$45,000.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE BANK OF CHILTON1\$72,511.610.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE BANK OF GRAYMONT1\$48,000.000.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE BANK OF LINCOLN1\$60,800.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B1\$82,673.490.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING, LLC1\$49,784.080.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STIFEL BANK AND

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TRUST1\$45,000.000.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION2\$136,600.000.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUPERIOR CREDIT UNION, INC1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TD BANK, N.A1\$54,368.920.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE ADIRONDACK TRUST COMPANY1\$84,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BANK OF CLARENDON1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BANK OF NEW GLARUS1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FARMERS NATIONAL BANK OF DANVILLE, A NATIONAL BANKING ASSOCIATION1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FARMERS STATE BANK AND TRUST COMPANY1\$51,300.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE OLD FORT BANKING COMPANY, A CORPORATION1\$64,719.310.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE PARK NATIONAL BANK1\$52,000.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE SUMMIT FEDERAL CREDIT UNION1\$81,304.920.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE WASHINGTON TRUST COMPANY1\$70,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIMBERWOOD BANK1\$28,997.280.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TINKER FEDERAL CREDIT UNION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TLC COMMUNITY CREDIT UNION1\$33,250.000.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOTAL MORTGAGE SERVICES, LLC1\$79,660.430.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRANSCEND CREDIT UNION1\$79,562.690.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUMARK FINANCIAL CREDIT UNION1\$82,135.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ULSTER SAVINGS BANK1\$77,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK, AN OHIO CORPORATION14\$759,475.553.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED COMMUNITY BANK2\$115,425.430.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FEDERAL CREDIT UNION1\$78,868.090.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION1\$76,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF IOWA COMMUNITY CREDIT UNION1\$65,700.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VACATIONLAND FEDERAL CREDIT UNION1\$55,669.170.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK3\$218,000.001.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VIRGINIA CREDIT UNION, INC1\$52,500.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VISIONBANK OF IOWA, A CORPORATION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAUKESHA STATE BANK1\$69,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAYNE BANK & TRUST1\$30,070.000.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAYNE BANK AND TRUST1\$24,500.000.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WE FLORIDA FINANCIAL1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESBANCO BANK, INC1\$70,302.400.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO., N.A1\$65,681.460.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Y-12 FEDERAL CREDIT UNION1\$63,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 314\$20,124,412.03100%0\$0.00** PROVING GROUND FEDERAL CREDIT

UNION1\$75,000.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION1\$81,000.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIANT BANK1\$58,000.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALPINE BANK & TRUST CO3\$165,500.121.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK2\$78,967.770.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PORTFOLIO MORTGAGE CORP1\$58,089.390.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOMER MORTGAGE COMPANY1\$80,660.650.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION1\$81,871.440.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARVEST BANK1\$75,000.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION8\$425,312.973.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AZURA CREDIT UNION1\$48,593.450.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO POPULAR DE PUERTO RICO2\$159,089.451.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK MUTUAL2\$89,100.000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF SPRINGFIELD1\$20,000.000.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK SNB ISAOA1\$62,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION1\$74,586.200.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BEST REWARD CREDIT UNION1\$70,951.490.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK COMMUNITY CREDIT UNION4\$267,500.002.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLOOMBANK2\$122,500.001.12% CREDIT UNION1\$66,933.560.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE SERVICES, INC1\$34,529.730.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CAPITAL COMMUNICATIONS FEDERAL CREDIT UNION2\$150,500.001.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC1\$53,846.390.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTENNIAL LENDING, LLC1\$24,893.120.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK1\$58,750.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL MINNESOTA CREDIT UNION1\$55,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL ONE FEDERAL CREDIT UNION1\$46,797.040.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL SAVINGS BANK1\$81,906.770.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$72,000.000.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK2\$134,924.331.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK HALE1\$68,213.010.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK ST JOSEPH CLEVELAND AVE1\$69,700.740.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS COMMUNITY FEDERAL N.A1\$47,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIVIL SERVICE EMPLOYEES ASSOCIATION CREDIT UNION, INC1\$41,176.760.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLEAR LAKE BANK & TRUST COMPANY1\$55,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST CREDIT UNION1\$74,351.380.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$77,150.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUMBERLAND SECURITY BANK1\$77,900.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAY AIR CREDIT UNION1\$70,050.000.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAY AIR CREDIT UNION

INC1\$39,829.050.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEERWOOD
 BANK1\$44,324.750.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESCO FEDERAL
 CREDIT UNION1\$45,357.310.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUPAGE
 CREDIT UNION1\$68,000.000.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
 MORTGAGE, LLC1\$83,640.890.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMPORIA
 STATE FEDERAL CREDIT
 UNION1\$59,748.630.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAY SERVICING, LLC, A
 LIMITED LIABI1\$77,905.350.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY
 BANK D/B/A FIDELITY BANK
 MORTGAGE1\$64,722.120.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK D/B/A
 FIRST BANK MORTGAGE1\$67,706.360.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 BANK RICHMOND2\$151,500.001.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 FEDERAL BANK OF THE
 MIDWEST1\$81,500.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL
 SAVINGS AND LOAN ASSOCIATION OF
 LAKEWOOD3\$122,667.471.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST OHIO
 HOME FINANCE, INC, AN
 OH1\$66,412.970.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF
 ILLINOIS1\$63,600.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST WORLD
 MORTGAGE
 CORPORATION1\$49,158.280.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS
 BANK & TRUST
 COMPANY2\$156,296.371.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORWARD
 FINANCIAL BANK1\$64,250.000.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSEN
 BANK &
 TRUST2\$120,000.001.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKENMUTH
 CREDIT
 UNION1\$40,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU2\$145,139.901.33%0\$0.00NA
 FEDERAL CREDIT
 UNION1\$80,000.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
 INC., A DELAWARE
 CORPORATION1\$84,272.200.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAWTHORN
 BANK1\$76,851.410.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT
 UNION1\$49,511.420.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS BANK AND
 TRUST COMPANY1\$75,550.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HIWAY
 FEDERAL CREDIT
 UNION1\$77,815.900.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FEDERAL
 SAVINGS BANK1\$61,750.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT
 FINANCIAL
 CORPORATION2\$142,474.511.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC1\$82,598.590.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL
 SERVICES, INC DBA CAPWEST HOME
 LOANS1\$74,561.300.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON
 BANK2\$114,000.001.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A
 IBERIABANK
 MORTGAGE1\$64,234.760.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL
 CREDIT UNION1\$67,000.000.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IROQUOIS
 FEDERAL SAVINGS & LOAN
 ASS1\$65,600.000.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
 ASSOCIATION1\$29,529.900.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE

MICHIGAN CREDIT

UNION5\$314,805.062.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT UNION3\$223,500.852.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MACHIAS SAVINGS BANK1\$69,308.410.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MANUFACTURERS BANK & TRUST COMPANY1\$60,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MCCLAIN BANK1\$49,660.390.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBERS' ADVANTAGE CREDIT UNION, A CREDIT UNION1\$53,273.580.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MICHIGAN LEGACY CREDIT UNION1\$58,752.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA MORTGAGE, INC1\$65,175.790.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$56,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MILLSTREAM AREA CREDIT UNION1\$49,790.520.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MINNESOTA VALLEY FEDERAL CREDIT UNI1\$64,682.810.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONTICELLO BANKING COMPANY1\$79,664.840.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CENTER LLC1\$49,600.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHERN HILLS FEDERAL CREDIT UNION1\$61,737.600.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIENTAL BANK1\$57,007.710.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENNSYLVANIA EQUITY RESOURCES, INC1\$62,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U4\$218,236.202%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK & TRUST CO OF PICKETT CO1\$64,722.120.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES INDEPENDENT BANK1\$44,612.310.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES STATE BANK1\$80,000.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER BANK, FEDERAL SAVINGS BANK1\$69,700.750.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE INC1\$63,228.520.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA POTLATCH #1 FEDERAL CREDIT UNION1\$60,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION2\$124,345.251.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REPUBLIC BANK & TRUST1\$85,000.000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIDDELL NATIONAL BANK1\$85,000.000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER VALLEY BANK1\$38,783.490.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION1\$80,943.310.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC1\$64,800.000.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAFE CREDIT UNION1\$49,363.330.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAUK VALLEY BANK & TRUST COMPANY1\$55,763.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SCOTIABANK DE PUERTO RICO2\$109,526.711.01%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOLIDARITY COMMUNITY FCU1\$44,600.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOMERSET TRUST COMPANY2\$121,947.351.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH CAROLINA FEDERAL CREDIT UNION1\$29,873.040.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK7\$476,389.134.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHPOINT FINANCIAL CREDIT UNION1\$73,500.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION1\$55,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE HONESDALE NATIONAL BANK1\$58,747.770.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE SUMMIT

FEDERAL CREDIT

UNION1\$78,656.520.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THREE RIVERS

FEDERAL CREDIT

UNION2\$137,956.861.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIMBERWOOD

BANK1\$60,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUMARK FINANCIAL

CREDIT UNION1\$85,000.000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA

BANK2\$127,616.671.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK,
AN OHIO

CORPORATION2\$132,536.851.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED BANK

OF UNION1\$40,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED

COMMUNITY BANK1\$54,728.430.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED

FEDERAL CREDIT

UNION1\$80,230.060.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSAL 1 CREDIT

UNION1\$46,998.220.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT

UNION1\$71,689.080.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERITAS FUNDING,

LLC ISAOA1\$81,000.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WAYNE BANK AND

TRUST1\$80,000.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCONSIN CREDIT

UNION1\$46,291.220.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$29,874.320.34%0\$0.00

GROUP, LLC1\$107,500.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

NATIONAL BANK AND

TRUST1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PACIFIC

MTG CORP1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST

FINANCIAL

CORPORATION1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOME

MORTGAGE

COMPANY1\$108,154.870.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMWEST

FUNDING CORP1\$99,361.200.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARK-LA-TEX

FINANCIAL SERVICES, LLC DBA BENCHMARK

MORTGAGE2\$188,100.000.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARVEST

BANK1\$102,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE

FINANCIAL GROUP, LLC

ISAOAATIMA2\$194,200.000.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AWAKON

FEDERAL CREDIT

UNION1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF

ENGLAND1\$90,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE

WEST, A CALIFORNIA STATE BANKING

CORP4\$375,900.151.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK SNB

ISAOA1\$91,100.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER

BANK2\$179,900.000.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY

LLC2\$196,000.000.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BELGRADE STATE BANK,

A CORPORATION1\$95,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI

FEDERAL BANK1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA

DBA BANK OF

ALBUQUERQUE2\$199,145.290.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER

SOLUTIONS INC. DBA NEW AMERICAN

FUNDING1\$108,300.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BUSINESS FIRST

BANK1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL

COMPANY, LIMITED

PARTNERSHIP1\$87,500.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON

MORTGAGE SERVICES,

LLC15\$1,466,022.527.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARTHAGE FEDERAL

SAVINGS AND LOAN

A1\$102,600.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CASON HOME LOANS A CORPORATION1\$108,608.600.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENDERA FUNDING, INC1\$95,601.870.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF BOONE COUNTY1\$109,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRIS FEDERAL CREDIT UNION1\$85,500.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHARTWAY FEDERAL CREDIT UNION1\$86,642.850.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK1\$99,585.280.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK HUDSONVILLE1\$92,629.760.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION4\$415,492.002.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS BANK & TRUST1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY BANK DBA CITY BANK MORTGAGE1\$99,585.280.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMERICA BANK1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMPASS MORTGAGE, INC1\$85,780.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME LENDING, INC2\$198,378.620.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION3\$300,988.591.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A1\$92,738.850.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE MANAGEMENT LLC2\$210,658.001.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORY ALLIANCE CREDIT UNION1\$101,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD1\$102,400.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION7\$687,482.973.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC2\$187,000.000.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA MORTGAGE LLC4\$393,595.701.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MIDWEST BANK1\$97,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF CARM1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF OMAHA1\$107,565.600.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK AND TRUST COMPANY1\$99,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK1\$98,394.400.49% CREDIT UNION1\$90,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORWARD FINANCIAL BANK1\$108,800.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANDSEN BANK & TRUST1\$88,023.890.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANDSEN BANK AND TRUST1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE GROUP, LLC, ISAOA/ATIMA1\$99,457.660.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GEORGE MASON MORTGAGE LLC1\$91,839.300.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDWATER BANK, NATIONAL ASSOCIATION1\$103,920.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT WESTERN BANK1\$86,500.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC., A DELAWARE CORPORATION2\$198,064.600.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE

COMPANY4\$392,954.631.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HALLMARK HOME MORTGAGE, LLC1\$109,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAMILTON MORTGAGE CORPORATION, A
 CO1\$84,332.230.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC. DBA REAL ESTATE MORTGAGE NETWORK1\$99,597.780.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESIDE FINANCIAL, LLC1\$97,600.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING CORP DBA MCGLONE MORTGAGE GROUP1\$108,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMETRUST MORTGAGE COMPANY1\$103,319.730.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR CREDIT UNION1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ILLINOIS NATIONAL BANK, A CORPORATION1\$90,400.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INDEPENDENT BANK1\$95,616.570.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JAMES B. NUTTER & COMPANY1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JARL ENTERPRISES LLC1\$89,638.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION1\$104,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING, LLC2\$186,993.100.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT UNION1\$91,662.080.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEADERONE FINANCIAL CORPORATION1\$90,626.420.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY BANK1\$96,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC2\$210,000.001.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAZUMA CREDIT UNION1\$104,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER HOME LOAN, LLC1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDDLETOWN VALLEY BANK1\$86,642.850.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDSTATES BANK, N.A., A NATIONAL BANKING ASSOCIATION1\$107,200.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSION FEDERAL CREDIT UNION1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CENTER LLC1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE INVESTMENT SERVICES CORPORATION1\$104,500.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MYCUMORTGAGE, LLC1\$99,578.440.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL COOPERATIVE BANK, N.A1\$96,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC1\$97,095.650.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING CORPORATION1\$95,700.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC BANK2\$210,500.001.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK CAPITAL FUNDING CORPORATION1\$92,142.920.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHWEST COMMUNITY CREDIT UNION1\$95,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONEAZ CREDIT UNION1\$100,100.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$104,880.790.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE,

LLC2\$200,500.001%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATHWAYS FINANCIAL
 CREDIT UNION, INC1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENN
 COMMUNITY BANK1\$107,000.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES
 HOME EQUITY, INC1\$107,392.740.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH
 MORTGAGE
 CORPORATION10\$991,673.274.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM
 MORTGAGE, INC1\$92,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME
 MORTGAGE1\$105,564.840.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME
 MORTGAGE INC1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMEWEST
 MORTGAGE CORPORATION1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P
 FUNDING INC1\$88,418.400.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE
 FEDERAL CREDIT
 UNION1\$84,948.110.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE FIRST
 CAPITAL, LLC1\$85,700.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESMAC,
 INC1\$88,350.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL PACIFIC FUNDING
 CORP1\$101,576.980.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED
 MORTGAGE LLC7\$684,000.003.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF
 MORTGAGE COMPANY, INC. D/B/A RUOFF HOME
 MORTGAGE1\$101,178.640.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING
 CORP3\$305,000.001.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STORY BANK &
 TRUST1\$90,000.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK,
 F.S.B3\$268,399.001.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STAUNTON FINANCIAL,
 INC1\$101,500.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SWBC MORTGAGE
 CORPORATION1\$90,127.770.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEXAS BANK
 FINANCIAL DBA TEXAS BANK MORTGAGE
 CO1\$96,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE AMERICAN NATIONAL
 BANK OF TEXAS1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BRYN
 MAWR TRUST
 COMPANY1\$86,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THINK MUTUAL
 BANK1\$108,700.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOTAL MORTGAGE
 SERVICES, LLC1\$92,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE
 MORTGAGE COMPANY DBA GREAT LAKES MORTGAGE
 FUNDING1\$105,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRIDENT
 MORTGAGE COMPANY
 LP1\$86,936.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA
 BANK2\$206,500.001.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE
 MORTGAGE6\$621,697.723.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY
 NATIONAL BANK1\$100,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANTAGE
 WEST CREDIT
 UNION1\$108,300.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VILLAGE MORTGAGE
 COMPANY1\$96,600.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VISIONBANK OF
 IOWA, A
 CORPORATION1\$108,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE
 MORTGAGE
 CORPORATION1\$97,850.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTERWOOD
 MORTGAGE GROUP, LLC DBA APPROVED MORTGAGE
 CORP1\$94,606.020.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WYNDHAM CAPITAL
 MORTGAGE, INC1\$110,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA YOLO
 FEDERAL CREDIT
 UNION1\$101,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 203\$20,057,618.53100%0\$0.00**
 MORTGAGE

CORPORATION1\$125,470.000.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALCOVA MORTGAGE, LLC1\$148,000.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLY BANK1\$129,460.860.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLY CAPITAL CORP1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FINANCIAL RESOURCES, INC1\$139,436.900.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL CORPORATION1\$145,000.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC BAY MORTGAGE GROUP, LLC1\$145,000.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AXIA FINANCIAL, LLC, A LIMITED LIABILITY COMPANY1\$142,000.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$139,425.260.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF ENGLAND1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP1\$125,094.050.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER BANK1\$149,400.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY LLC1\$130,435.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BBMC MORTGAGE A DIVISION OF BRIDGEVIEW BANK GROUP1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK OF OKLAHOMA1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER BANK, NATIONAL ASSOCIATION1\$143,912.670.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC. DBA NEW AMERICAN FUNDING2\$270,000.001.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING1\$130,680.780.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL COMPANY, LIMITED PARTNERSHIP2\$282,244.741.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC2\$264,964.261.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$134,215.950.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK3\$390,694.271.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION2\$287,600.001.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE INC., DBA CMG FINANCIAL3\$400,523.131.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLUMBIA CREDIT UNION1\$131,463.610.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE BANK (ND)1\$125,737.420.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD1\$129,884.100.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC1\$128,863.350.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EDUCATORS CREDIT UNION1\$132,000.000.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS, INC1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD1\$132,951.950.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EQUITY RESOURCES, INC1\$135,200.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORP1\$137,000.000.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY

INDEPENDENT MORTGAGE

CORPORATION2\$284,457.001.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
 INDEPENDENT MORTGAGE CORPORATION DBA, CAPITAL MORTGAGE
 FUNDING1\$139,425.260.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE,
 LLC2\$284,245.361.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK D/B/A
 FIDELITY BANK
 MORTGAGE1\$149,384.220.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY DIRECT
 MORTGAGE LLC1\$137,651.750.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA MORTGAGE
 LLC2\$288,390.461.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK , A
 TENNESSEE SAVINGS
 BANK1\$139,300.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FLORIDA CREDIT
 UNION1\$140,000.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERNET BANK
 OF INDIANA1\$139,425.260.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 INTERSTATE BANK1\$125,498.380.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 PENNSYLVANIA1\$139,419.390.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATONIONAL BANK OF
 CARM1\$139,000.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST TECHNOLOGY
 FEDERAL CREDIT
 UNION1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST TENNESSEE
 BANK NATIONAL
 ASSOCIATION1\$149,384.220.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED
 BANK AND TRUST
 COMPANY1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK
 PUERTO RICO D/B/A FIRSTBANK FLORIDA, COMMERCIAL
 BANK1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLANAGAN STATE
 BANK1\$127,000.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE
 GROUP, LLC,
 ISAOA/ATIMA2\$280,400.001.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GTE FEDERAL
 CREDIT UNION1\$128,000.000.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
 MORTGAGE COMPANY1\$129,600.000.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HALL
 FINANCIAL GROUP1\$144,410.300.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS
 BANK AND TRUST
 COMPANY1\$120,346.230.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HLP MORTGAGE
 LLC1\$144,000.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL
 CORPORATION2\$260,360.611.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMELAND
 LENDING, LLC1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESIDE
 FINANCIAL, LLC1\$126,000.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD
 FUNDING CORP DBA MCGLONE MORTGAGE
 GROUP1\$143,000.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEWISE1\$125,770.000.63%0
 CENTRAL CREDIT
 UNION1\$139,442.640.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INLANTA MORTGAGE,
 INC1\$143,200.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JMAC LENDING,
 INC1\$140,913.170.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
 ASSOCIATION1\$142,134.910.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAFAYETTE
 AMBASSADOR
 BANK1\$131,463.610.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN
 SERVICING LLC4\$541,850.452.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEADERONE
 FINANCIAL
 CORPORATION1\$130,234.040.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGASTAR

FINANCIAL CORP3\$394,350.001.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORIA DEVELOPMENT INC., DBA PEOPLES MORTGAGE1\$141,540.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORRILL & JANES BANK AND TRUST COMPANY1\$136,408.790.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN WEST FINANCIAL, INC1\$134,368.780.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC1\$147,327.090.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC DBA MOTIVE LENDING1\$149,377.920.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING CORPORATION1\$128,207.790.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS RELIABLE LENDING, LLC1\$140,233.680.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH AMERICAN SAVINGS BANK, FSB1\$131,848.000.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORWICH COMMERCIAL GROUP, INC. D/B/A NORCOM MORTGAGE1\$140,000.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA FINANCIAL & INVESTMENT CORPORATION1\$138,750.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD SECOND NATIONAL BANK1\$130,000.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONEAZ CREDIT UNION1\$129,477.120.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$125,278.310.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK OF COMMERCE1\$145,892.430.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM HOME MORTGAGE CORPORATION1\$140,000.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE1\$141,185.680.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE INC1\$144,404.740.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIER BANK, INC1\$131,850.490.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIER LENDING LLC1\$147,000.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPECT MORTGAGE, LLC DBA CAPWEST1\$147,815.610.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDWOOD CREDIT UNION1\$138,200.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER CITIES BANK1\$140,000.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION1\$134,700.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC1\$126,100.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SINCLAIR FINANCIAL SOLUTIONS/4TH PARTY/MORTGAGE SERVICES III, LLC1\$147,386.210.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI MORTGAGE, LLC1\$133,105.680.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH PACIFIC FINANCIAL CORPORATION1\$140,221.990.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHPOINT FINANCIAL SERVICES, INC1\$131,700.000.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CENTRAL TRUST BANK1\$148,000.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST BANK OF BASTROP1\$125,600.000.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE HOME LOAN EXPERT, LLC1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE PARK BANK1\$142,000.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIDEWATER MORTGAGE SERVICES, INC1\$125,477.450.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE COMPANY DBA AMERICU

MORTGAGE1\$143,942.700.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUWEST CREDIT UNION1\$135,000.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA BANK2\$256,465.011.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FEDERAL CREDIT UNION1\$142,406.950.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE12\$1,608,117.837.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION1\$134,422.970.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA V.I.P. MORTGAGE, INC1\$132,957.520.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERITAS FUNDING, LLC ISAOA1\$150,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VINSON MORTGAGE SERVICES, INC1\$135,441.690.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VOLUNTEER MORTGAGE, INC1\$141,223.790.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEICHERT FINANCIAL SERVICES1\$126,772.060.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTBY CO-OP CREDIT UNION1\$130,960.170.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 147\$20,115,884.01100%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA** MORTGAGE CORPORATION2\$330,000.001.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AGORA LENDING, A DIVISION OF ETHOS LENDING LLC1\$152,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED MORTGAGE GROUP, INC2\$307,940.491.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALTRA FEDERAL CREDIT UNION1\$158,000.000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN BANK CENTER1\$174,000.000.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FEDERAL MORTGAGE CORPORATION1\$163,600.000.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PACIFIC MTG CORP2\$325,302.111.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL CORPORATION2\$334,343.171.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE FINANCIAL GROUP, LLC ISAOAATIMA1\$152,000.000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF COMMERCE1\$166,000.000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION1\$168,000.000.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY LLC1\$152,365.480.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI FEDERAL BANK1\$172,500.000.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROOKHOLLOW MORTGAGE SERVICES, LTD LP1\$160,332.300.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL COMPANY, LIMITED PARTNERSHIP1\$165,809.480.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC3\$464,752.062.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENDERA FUNDING, INC1\$150,353.040.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION4\$651,618.823.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA1\$154,363.690.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME LENDING, INC2\$325,785.621.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION2\$324,794.901.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT UNION2\$314,440.521.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU

FINANCIAL1\$159,850,000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD1\$155,520,310.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DIME BANK1\$172,000,000.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENDEAVOR CAPITAL, LLC1\$159,343,170.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ETHOS LENDING LLC1\$157,000,000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVERGREEN MONEYSOURCE MORTGAGE COMPANY1\$172,500,000.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION3\$492,024,012.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA MORTGAGE LLC3\$516,401,602.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK1\$163,319,860.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COMMONWEALTH MORTGAGE CORP1\$173,252,540.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL SAVINGS AND LOAN ASSOCIATION OF LAKEWOOD1\$157,425,000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH MORTGAGE, INC., A MISSOURI CORPORATION2\$336,343,121.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FULTON BANK, N.A.1\$155,000,000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU1\$150,584,260.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN CREDIT UNION1\$158,000,000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN CREDIT UNION1\$150,370,590.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A. A NATIONAL ASSOCIATION1\$153,750,000.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY3\$483,357,192.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC1\$165,000,000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESIDE FINANCIAL, LLC1\$165,837,150.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL CREDIT UNION1\$169,551,090.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERNATIONAL CITY MORTGAGE, INC1\$155,200,000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G. WENTWORTH HOME LENDING, INC. - CONV1\$163,700,000.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION3\$477,299,422.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING LLC5\$817,693,564.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING, LLC1\$175,000,000.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAND HOME FINANCIAL SERVICES, INC1\$168,349,000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$168,266,000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBERS FIRST CREDIT UNION1\$152,000,000.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA MORTGAGE, INC1\$160,000,000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORRILL & JANES BANK AND TRUST COMPANY1\$164,315,700.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SOLUTIONS OF COLORADO, LLC1\$154,400,000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN WEST FINANCIAL, INC1\$161,691,640.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORWICH COMMERCIAL GROUP, INC. D/B/A NORCOM MORTGAGE2\$332,125,001.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORANGE COUNTY'S CREDIT UNION1\$150,001,000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY

MORTGAGE,

LLC1\$166,000.000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENNSYLVANIA EQUITY RESOURCES, INC1\$168,800.000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHELPS COUNTY BANK1\$160,000.000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH

MORTGAGE

CORPORATION1\$150,042.040.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PULTE MORTGAGE LLC1\$160,588.020.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE FIRST CAPITAL, LLC2\$317,750.001.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC3\$490,000.002.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAN MATEO CREDIT

UNION1\$163,500.000.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SHORE MORTGAGE1\$173,668.160.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP2\$330,811.001.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK1\$161,807.550.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHPOINT FINANCIAL SERVICES,

INC1\$172,400.000.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B2\$333,799.861.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING

INC1\$165,000.000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION1\$165,000.000.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST STATE BANK1\$168,750.000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE HOME LOAN

EXPERT LLC1\$164,777.760.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TODAYS MORTGAGE LLC1\$161,000.000.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOMPKINS

STATE BANK1\$157,000.000.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRAVERSE CITY STATE BANK1\$170,000.000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA BANK1\$154,246.370.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME

MORTGAGE CORP., A

CORPORATION1\$169,302.110.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE

MORTGAGE9\$1,471,467.097.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT

UNION1\$171,286.680.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE MORTGAGE

CORPORATION1\$167,760.000.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEICHERT FINANCIAL

SERVICES1\$153,118.820.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WOODSIDE MORTGAGE

CORPORATION2\$321,300.001.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 124\$20,143,948.35**

MIDAMERICA CREDIT

UNION1\$51,500.000.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA 1ST SECURITY BANK OF WASHINGTON1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY

MORTGAGE CORPORATION11\$721,417.193.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVANCIAL FEDERAL CREDIT

UNION1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVANTAGE PLUS FEDERAL CREDIT

UNION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AFFILIATED

BANK1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AFFILIATED MORTGAGE SERVICES1\$72,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLY

BANK1\$49,486.340.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALTERRA GROUP, LLC1\$83,665.590.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC1\$74,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

NEIGHBORHOOD MORTGAGE ACCEPTANCE COMPANY

LLC1\$84,647.490.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PACIFIC MTG
CORP1\$25,500.000.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL
CORPORATION4\$192,850.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMRES
CORPORATION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARIZONA BANK
& TRUST1\$40,125.000.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARIZONA FEDERAL
CREDIT UNION1\$65,228.360.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARVEST
BANK2\$134,993.280.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSEMBLIES OF GOD
CREDIT
UNION1\$73,204.370.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCFIRST1\$39,835.790.2%0\$0.00
BANK2\$122,890.060.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
OAKFIELD1\$46,500.000.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
SPRINGFIELD1\$49,500.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE
WEST, A CALIFORNIA STATE BANKING
CORP4\$277,875.981.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANKERS TRUST
COMPANY, A STATE CHARTERED
BANK1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER
BANK1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT
UNION1\$71,203.480.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY
LLC1\$79,173.640.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK
BANK1\$64,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK
COMMUNITY CREDIT
UNION2\$137,000.000.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK
OF OKLAHOMA1\$76,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA
MOBANK1\$81,612.720.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BRIDGEWAY
FINANCIAL, LLC1\$80,169.530.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER
SOLUTIONS INC., DBA NEW AMERICAN
FUNDING4\$277,456.971.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE
SERVICES,
INC1\$38,000.000.19%1\$36,693.34NA0\$0.00NA0\$0.00NA0\$0.00NA1\$36,693.34NA0\$0.00NA CARRINGTON
MORTGAGE SERVICES,
LLC2\$168,313.230.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL
BANK1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL
BANK5\$297,250.001.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK
HALE1\$70,145.390.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE
CORPORATION4\$270,105.121.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS
BANK1\$57,766.710.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIVISTA
BANK1\$68,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE INC.,
DBA CMG
FINANCIAL2\$137,499.270.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COASTAL
CAROLINA NATIONAL
BANK1\$59,756.190.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLLINS STATE
BANK1\$77,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST
BANK1\$84,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST
FEDERAL CREDIT
UNION1\$62,400.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITYAMERICA
CREDIT UNION1\$50,625.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMPASS
MORTGAGE,
INC1\$84,547.480.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME
LENDING, INC2\$81,214.480.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT UNION
OF DODGE CITY1\$83,200.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU

COMMUNITY CREDIT

UNION1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DACOTAH BANK1\$72,500.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU FINANCIAL1\$25,647.490.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD2\$114,805.060.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUBUQUE BANK AND TRUST COMPANY DBA NATIONAL RESIDENTIAL MORTGAGE1\$47,701.350.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC2\$110,046.370.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD2\$158,000.000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVERETT FINANCIAL INC., DBA SUPREME LENDING2\$128,654.470.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORP1\$64,800.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION5\$330,584.641.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMERS STATE BANK, A BANKING CORPORATION1\$69,600.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMINGTON BANK1\$84,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$65,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK D/B/A FIDELITY BANK MORTGAGE2\$125,341.740.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC1\$79,671.580.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRELANDS FEDERAL CREDIT UNION1\$55,500.000.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK OF OWASSO1\$78,750.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CENTRAL STATE BANK1\$42,825.260.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COMMONWEALTH BANK, A STATE CHARTERED BANK1\$57,680.000.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK OF OHIO1\$79,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL SAVINGS AND LOAN ASSOCIATION OF LAKEWOOD1\$27,616.640.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MIDWEST BANK1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK FORT SMITH1\$48,523.580.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF OMAHA3\$181,866.090.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF PENNSYLVANIA1\$73,600.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF RAYMOND1\$54,500.000.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST RELIANCE BANK TPO1\$72,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK SOUTHWEST1\$72,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE COMMUNITY BANK2\$117,100.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK AND TRUST COMPANY2\$161,614.700.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY3\$159,753.690.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH MORTGAGE, INC., A MISSOURI CORPORATION1\$80,430.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSEN BANK & TRUST1\$52,780.640.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKENMUTH CREDIT UNION1\$36,500.000.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRIENDS AND FAMILY CREDIT

UNION1\$59,753.690.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU1\$58,361.200.29%0\$0.00NA0
 FEDERAL CREDIT
 UNION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GERSHMAN
 INVESTMENT CORP1\$49,326.770.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN 1
 CREDIT UNION2\$139,671.580.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDWATER
 BANK, NATIONAL
 ASSOCIATION1\$66,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT
 SOUTHERN BANK1\$68,722.470.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREATER
 NILES COMMUNITY FEDERAL CREDIT
 UNION1\$49,600.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN
 MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A. A NATIONAL
 ASSOCIATION1\$27,883.880.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
 MORTGAGE
 COMPANY9\$586,368.442.92%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND
 CREDIT UNION1\$67,222.900.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
 SAVINGS BANK1\$18,674.580.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC3\$246,809.911.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL
 SERVICES, INC. DBA CAPWEST HOME
 LOANS1\$74,692.110.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING
 CORP2\$159,276.100.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMETRUST
 MORTGAGE
 COMPANY1\$58,500.000.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEWISE1\$79,070.710.39%
 BANK1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A
 IBERIABANK
 MORTGAGE1\$53,278.130.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL
 CREDIT UNION2\$149,659.270.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IH MISSISSIPPI
 VALLEY CREDIT UNION, A
 CORPORATION1\$82,400.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JAMES B.
 NUTTER & COMPANY1\$71,250.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KAYE
 FINANCIAL
 CORPORATION1\$79,671.570.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK
 NATIONAL
 ASSOCIATION2\$110,148.240.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE
 MORTGAGE COMPANY,
 INC1\$74,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN
 SERVICING LLC1\$78,386.690.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK
 CREDIT UNION2\$140,994.340.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARINE
 BANK1\$50,400.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARQUETTE
 BANK1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MCLEAN MORTGAGE
 CORPORATION A VIRGINIA
 CORPORATION1\$74,688.960.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MICHIGAN
 MUTUAL, INC1\$78,500.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA
 MORTGAGE, INC2\$117,000.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST
 BANK1\$36,000.000.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST COMMUNITY
 FEDERAL CREDIT
 UNION1\$81,214.750.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST HERITAGE
 BANK, FSB, A FEDERAL SAVINGS
 BANK1\$74,400.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSION FEDERAL
 CREDIT UNION1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORIA
 DEVELOPMENT,

INC1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CENTER
 LLC4\$275,521.741.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE
 INVESTMENT SERVICES
 CORPORATION1\$62,400.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE
 INVESTORS
 GROUP1\$69,609.690.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE
 NETWORK, INC1\$49,661.460.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOVEMENT
 MORTGAGE,
 LLC1\$64,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MURPHY-WALL STATE
 BANK AND TRUST
 CO2\$82,400.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MYCUMORTGAGE,
 LLC1\$47,802.950.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL COOPERATIVE
 BANK, N.A1\$69,200.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT
 MORTGAGE, LLC1\$68,800.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS
 LENDING CORPORATION1\$60,800.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC
 BANK1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK FUNDING,
 LP1\$79,942.080.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEW MEXICO BANK &
 TRUST1\$39,840.760.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NICOLET NATIONAL
 BANK1\$70,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORWICH
 COMMERCIAL GROUP, INC. D/B/A NORCOM
 MORTGAGE1\$74,692.110.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA FINANCIAL
 & INVESTMENT
 CORPORATION1\$55,000.000.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NUMARK
 CREDIT UNION1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATELCO
 CREDIT UNION1\$65,200.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK
 AND TRUST
 COMPANY1\$75,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK, A
 STATE BANK1\$72,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE
 CORPORATION10\$714,308.413.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER
 BANK, FEDERAL SAVINGS
 BANK1\$62,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM MORTGAGE,
 INC1\$59,751.170.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRAIRIE STATE BANK &
 TRUST1\$63,583.530.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREFERRED CREDIT
 UNION1\$33,810.000.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL
 MORTGAGE, INC1\$75,190.050.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMEWEST
 MORTGAGE
 CORPORATION1\$34,859.220.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRINCIPAL
 MORTGAGE GROUP LLC1\$64,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P
 FUNDING INC1\$56,250.000.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESIDENTIAL
 MORTGAGE SERVICES,
 INC2\$156,955.980.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER VALLEY
 BANK1\$59,709.130.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT
 MORTGAGE SERVICING
 CORPORATION1\$84,647.490.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED
 MORTGAGE LLC12\$811,798.884.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAN
 ANTONIO CITIZENS FEDERAL CREDIT
 UNION2\$116,500.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITYNATIONAL
 MORTGAGE
 COMPANY3\$148,307.850.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SHORE
 MORTGAGE1\$70,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC
 MORTGAGE COMPANY,

INC2\$133,911.460.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN BANK1\$49,792.640.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN HOME MORTGAGE CORP1\$80,500.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHWEST FUNDING, LP1\$71,707.190.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B24\$1,622,850.588.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATEWIDE MORTGAGE1\$60,500.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUN AMERICAN MORTGAGE COMPANY1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEAM ONE CREDIT UNION1\$67,840.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEUTOPOLIS STATE BANK1\$60,000.000.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST BANK AND TRUST COMPANY1\$68,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST NATIONAL BANK OF BARRY1\$68,500.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE GIFFORD STATE BANK1\$37,241.370.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MORTGAGE FIRM, INC1\$85,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MORTGAGE HOUSE, INC1\$75,600.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE NODAWAY VALLEY BANK1\$34,400.000.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE COMPANY1\$68,859.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE COMPANY DBA GREAT LAKES MORTGAGE FUNDING1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRANSCEND CREDIT UNION1\$46,807.050.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRI COUNTIES BANK1\$50,000.000.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA U.S. CENTURY BANK1\$49,792.640.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA BANK2\$105,560.410.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION BANK AND TRUST COMPANY1\$68,218.790.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME MORTGAGE CORP., A CORPORATION1\$35,653.710.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE3\$238,115.591.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UWHARRIE BANK2\$155,250.090.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VAN DYK MORTGAGE CORPORATION1\$66,930.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANTAGE WEST CREDIT UNION1\$80,000.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VICTORIAN FINANCE LLC1\$84,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE MORTGAGE CORPORATION1\$56,000.000.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTBY CO-OP CREDIT UNION1\$38,839.900.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WIDGET FEDERAL CREDIT UNION1\$58,608.410.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WRIGHT-PATT CREDIT UNION, INC2\$105,827.010.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable2\$106,767.760.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDAMERICA CREDIT UNION2\$73,000.000.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION1\$85,000.001.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACCESS LOANS, INC. - COR2\$86,657.191.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLY BANK CORP1\$74,704.470.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALTERRA GROUP, LLC1\$57,600.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK3\$169,573.412.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FINANCIAL RESOURCES, INC1\$57,674.200.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FINANCING CORP1\$82,174.921.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN LIBERTY MORTGAGE,

INC1\$71,685.400.92%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL CORPORATION2\$96,040.001.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIS BANK1\$84,150.001.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARIZONA MORTGAGE SPECIALISTS, INC., AN ARIZONA CORPORATION1\$77,695.811%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC BAY MORTGAGE GROUP, LLC1\$47,500.000.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO POPULAR DE PUERTO RICO2\$147,622.031.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$46,567.680.6%1\$0.00NA1\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP2\$99,607.981.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLUE RIDGE BANK, N.A1\$67,734.800.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC2\$149,332.061.92%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON BANK1\$36,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK1\$67,981.070.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK11\$415,579.875.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY BANK DBA CITY BANK MORTGAGE1\$60,000.000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIVISTA BANK1\$24,750.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMERICA BANK1\$79,650.001.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONCORD MORTGAGE GROUP1\$27,500.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COOSA VALLEY CREDIT UNION1\$48,750.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUSTER FEDERAL STATE BANK, A NEBRASKA CORPORATION1\$35,863.900.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD. LIMITED PARTNERSHIP1\$78,122.941%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DIRECTIONS EQUITY, LLC1\$82,872.161.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS, INC2\$134,805.001.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENTERPRISE BANK & TRUST1\$69,000.000.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD1\$34,200.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVERETT FINANCIAL INC., DBA SUPREME LENDING1\$47,814.730.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION1\$49,802.980.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FINANCIAL CREDIT UNION1\$85,000.001.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK AND TRUST COMPANY2\$84,478.621.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY2\$100,000.001.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKLIN BANK AND TRUST COMPANY, A KENTUCKY CORPORATION1\$60,000.000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FREESTAR FINANCIAL CREDIT UNION1\$33,405.900.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS, LLC1\$70,000.000.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREATER TEXAS FEDERAL CREDIT UNION1\$62,000.000.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREYLOCK FEDERAL CREDIT UNION1\$70,983.430.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY5\$344,040.374.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAWTHORN BANK1\$47,433.390.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HERRING BANK1\$50,592.560.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT

FINANCIAL

CORPORATION1\$63,650.790.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME STATE BANK, N.A.1\$82,119.771.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME BRIDGE FINANCIAL SERVICES, INC1\$80,400.001.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTAR FINANCIAL CORPORATION1\$43,330.360.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON BANK2\$119,824.501.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KINGS MORTGAGE SERVICES, INC1\$75,000.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING LLC1\$55,579.340.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAND HOME FINANCIAL SERVICES, INC1\$49,200.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEADERONE FINANCIAL CORPORATION1\$69,000.000.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIVE WELL FINANCIAL, INC1\$34,961.600.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$80,500.001.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER HOME LOAN, LLC1\$50,000.000.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MICHIGAN MUTUAL, INC1\$29,449.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA MORTGAGE, INC1\$75,000.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDLAND STATES BANK2\$61,650.000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATION ONE MORTGAGE CORPORATION (32258)1\$74,704.470.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL COOPERATIVE BANK, N.A.2\$115,364.211.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC1\$50,121.720.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHPOINTE BANK1\$70,000.000.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA FINANCIAL & INVESTMENT CORPORATION1\$40,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$65,739.930.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PINNACLE BANK - WYOMING1\$66,726.250.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL MORTGAGE, INC1\$60,200.000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P FUNDING INC4\$261,012.003.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC18\$894,830.0011.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SILVERTON MORTGAGE SPECIALISTS1\$59,157.340.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOLARITY CREDIT UNION1\$78,188.341%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHWEST FUNDING, LP1\$79,688.011.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B.1\$43,831.920.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT FUNDING, INC1\$65,000.000.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TAYLOR MORRISON HOME FUNDING, LLC1\$69,724.180.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEAM ONE CREDIT UNION1\$49,797.800.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE AMERICAN NATIONAL BANK OF TEXAS1\$42,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIDELITY DEPOSIT AND DISCOUNT BANK1\$72,750.000.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST, A NATIONAL BANKING ASSOCIATION1\$44,822.680.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THRIVENT FEDERAL CREDIT UNION1\$54,783.280.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE2\$89,550.001.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VELOCIO

MORTGAGE L.L.C1\$45,000.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WANIGAS CREDIT UNION1\$54,400.000.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE MORTGAGE CORPORATION2\$132,516.001.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEST GATE BANK1\$53,789.400.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WHEATLAND BANK (31751)1\$79,374.841.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WRIGHT-PATT CREDIT UNION, INC1\$54,372.060.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$70,720.230.96%0\$0.00NA FINANCIAL RESOURCES, INC1\$169,772.740.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION1\$203,673.330.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC REGIONAL FEDERAL CREDIT UNION1\$181,729.690.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT UNION1\$189,377.320.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEEDHAM BANK1\$227,098.400.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U5\$1,307,162.034.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA QUORUM FEDERAL CREDIT UNION3\$1,172,431.274.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ST ANNE'S CREDIT UNION OF FALL RIVER MASS4\$646,134.022.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK105\$23,562,396.1285.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 122\$27,659,774.92100%** REGIONAL FEDERAL CREDIT UNION2\$293,051.701.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMINGTON BANK2\$210,943.320.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEEDHAM BANK2\$497,220.292.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NUMERICA CREDIT UNION12\$1,599,405.227.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U2\$377,246.071.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA QUORUM FEDERAL CREDIT UNION1\$279,707.621.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TECHNOLOGY CREDIT UNION3\$607,111.432.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK92\$17,503,445.5081.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 116\$21,368,131.15100%** FINANCIAL, INC1\$259,641.795.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC. DBA NEW AMERICAN FUNDING1\$337,002.826.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CASTLE & COOKE MORTGAGE, LLC2\$615,000.0012.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHERRY CREEK MORTGAGE CO., INC1\$307,546.256.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEVATIONS CREDIT UNION1\$274,104.505.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION1\$301,000.006.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK1\$308,660.00 MORTGAGE CORPORATION1\$305,430.626.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MLD MORTGAGE INC., DBA THE MONEY STORE1\$300,000.006.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PUBLIC SERVICE CREDIT UNION1\$315,700.006.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING CORPORATION1\$255,000.005.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI MORTGAGE, LLC1\$118,800.002.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING, LLC1\$269,309.005.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE3\$959,628.0119.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 17\$4,926,822.99100%** MORTGAGE

COMPANY1\$230,095.8113.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT UNION OF GEORGIA1\$218,691.4313.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$214,370.0012.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION1\$268,471.1916.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING, LLC1\$141,001.058.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEIGHBORHOOD MORTGAGE, INC. (32355)1\$179,191.4410.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK2\$278,926.0216.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TJC MORTGAGE, INC1\$141,795.408.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA **Total 9\$1,672,542.34100%0\$0.00 0\$0.00** SECURITY BANK OF WASHINGTON1\$45,562.800.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION3\$144,409.120.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACHIEVA CREDIT UNION2\$137,177.960.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACOPIA,LLC, A CORPORATION1\$142,661.010.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALABAMA ONE CREDIT UNION1\$57,307.170.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED MORTGAGE GROUP, INC1\$55,774.270.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK7\$441,046.832.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN MORTGAGE SERVICE COMPANY, AN OHIO CORPORATION1\$84,708.100.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOME MORTGAGE COMPANY2\$186,389.800.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION1\$48,247.280.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO POPULAR DE PUERTO RICO1\$56,072.190.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO SANTANDER PR1\$75,282.300.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$62,481.610.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP1\$100,603.290.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF WHITTIER, N.A2\$167,473.880.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION17\$1,932,479.429.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BBMC MORTGAGE A DIVISION OF BRIDGEVIEW BANK GROUP,A ILLINOIS1\$132,766.790.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BELL BANK1\$75,762.610.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLUEOX CREDIT UNION1\$43,780.550.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI FEDERAL BANK2\$156,164.080.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BORDER STATE BANK1\$41,091.220.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC2\$93,589.930.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING3\$126,422.020.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE SERVICES, INC1\$54,154.200.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC1\$57,172.850.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK1\$81,001.450.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF BOONE COUNTY1\$65,567.390.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF LAKE OF THE OZARKS1\$61,644.780.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF

THE MIDWEST1\$71,307.580.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$29,561.600.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK CHARLEVOIX1\$65,602.970.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK MARSHALL DOWNTOWN1\$61,320.740.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS FIRST BANK1\$74,006.570.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY NATIONAL BANK1\$76,628.970.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL NATIONAL MORTGAGE, A DIVISION OF COLONIAL SAVINGS2\$206,847.621.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL SAVINGS, F.A3\$279,651.241.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMERICA BANK2\$127,717.580.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMONWEALTH BANK & TRUST COMPANY1\$68,266.510.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY BANK AND TRUST COMPANY, A BANK1\$49,872.270.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY MORTGAGE FUNDING, LLC1\$75,519.940.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONCORDE BANK1\$61,337.360.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$38,724.270.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CRESCENT MORTGAGE COMPANY1\$67,705.500.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CRESCENT MORTGAGE COMPANY OF DELAWARE1\$164,148.140.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A1\$73,105.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUMBERLAND SECURITY BANK1\$66,055.650.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAY AIR CREDIT UNION INC1\$45,491.750.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESCO FEDERAL CREDIT UNION1\$49,623.370.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT UNION3\$165,212.810.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD4\$205,581.591.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD., A TEXAS LIMITED PARTNERSHIP1\$71,859.440.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENTEGRA BANK1\$45,636.270.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EXTRACO BANKS, N.A. DBA EXTRACO MORTGAGE1\$32,326.120.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION1\$60,176.290.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMINGTON BANK1\$145,019.580.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$72,912.650.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK1\$56,431.070.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK D/B/A FIDELITY BANK MORTGAGE1\$74,921.240.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA MORTGAGE LLC2\$120,442.420.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCIAL PARTNERS CREDIT UNION2\$274,998.141.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK D/B/A FIRST BANK MORTGAGE5\$401,556.802.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK PUERTO RICO1\$39,306.770.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CENTURY BANK1\$44,174.560.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST GUARANTY MORTGAGE CORPORATION DBA

GOODMORTGAGE.COM1\$68,831.450.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 MIDWEST BANK1\$63,218.880.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 MORTGAGE COMPANY,
 L.L.C1\$59,431.280.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MORTGAGE
 COMPANY, L.L.C. D/B/A FIRST MORTGAGE
 COMPANY1\$31,273.910.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF OMAHA5\$338,208.231.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 TENNESSEE1\$66,079.910.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST SAVINGS
 BANK OF DANVILLE1\$24,304.220.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 STATE COMMUNITY
 BANK3\$169,524.690.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK
 & TRUST
 COMPANY2\$143,561.460.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK1\$61,190.280.31
 BRANCH MORTGAGE,
 INC2\$128,533.230.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSEN BANK &
 TRUST1\$67,542.490.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FULTON BANK,
 N.A2\$145,210.520.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOGEBIC RANGE
 BANK1\$44,686.100.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
 INC., A DELAWARE
 CORPORATION1\$57,106.710.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN
 MORTGAGE COMPANY, INC., A
 CORPORATION1\$51,158.700.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
 MORTGAGE
 COMPANY2\$165,305.680.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAWTHORN
 BANK1\$48,658.230.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT
 UNION1\$83,968.750.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS BANK AND
 TRUST COMPANY1\$62,880.410.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
 POINT FINANCIAL
 CORPORATION3\$240,971.461.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEAMERICAN
 MORTGAGE
 CORPORATION1\$33,287.610.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC1\$102,674.700.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET
 BANK1\$71,307.580.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR CREDIT
 UNION2\$131,174.010.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON
 BANK1\$37,641.170.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBMSECU2\$153,791.740.79%0\$0.00
 BANK3\$133,435.470.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INSIGHT CREDIT
 UNION1\$62,735.270.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IUKA STATE
 BANK1\$52,877.400.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IXONIA
 BANK1\$37,179.900.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KANSAS TEACHERS
 COMMUNITY CREDIT
 UNION1\$39,185.960.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KENTUCKY TELCO
 CREDIT UNION1\$55,030.570.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEY
 MORTGAGE SERVICES,
 INC1\$74,713.250.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
 ASSOCIATION5\$295,784.461.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KINECTA
 FEDERAL CREDIT
 UNION2\$104,338.240.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE COMMUNITY
 FEDERAL CREDIT
 UNION1\$62,086.590.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAND HOME

FINANCIAL SERVICES,

INC1\$66,553.730.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY NATIONAL BANK1\$84,734.270.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LONE STAR NATIONAL BANK1\$27,318.110.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$50,287.790.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER FIRST MORTGAGE, LLC1\$33,594.040.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCHANTS BANK, NATIONAL ASSOCIATION2\$123,086.800.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID-MINNESOTA FEDERAL CREDIT UNION1\$51,635.950.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSION FEDERAL CREDIT UNION1\$63,902.300.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK, N.A2\$103,801.640.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MYCUMORTGAGE, LLC1\$18,650.640.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL EXCHANGE BANK & TRUST1\$96,850.070.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEVADA STATE BANK1\$98,911.670.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH SHORE TRUST AND SAVINGS1\$84,349.080.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHWOODS BANK OF MINNESOTA1\$97,216.870.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOTRE DAME FEDERAL CREDIT UNION1\$20,371.670.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NUMERICA CREDIT UNION1\$72,819.170.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONEAZ CREDIT UNION1\$48,999.880.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIENTAL BANK1\$90,565.650.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$61,246.600.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENNSYLVANIA EQUITY RESOURCES, INC1\$32,332.810.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U4\$428,193.532.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHENIX GIRARD BANK1\$75,782.400.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION9\$869,792.184.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER BANK & TRUST, A CORPORATION1\$47,380.940.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRAIRIE STATE BANK & TRUST1\$76,575.100.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIER LENDING ALLIANCE, LLC1\$56,619.180.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIORITY HOME MORTGAGE, L.P2\$191,444.710.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPECT MORTGAGE, LLC DBA CAPWEST1\$67,068.820.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME MORTGAGE, LLC1\$75,487.920.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA QUALSTAR CREDIT UNION1\$118,884.150.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION2\$118,532.140.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE STATE BANK1\$42,103.070.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REPUBLIC BANK & TRUST COMPANY1\$66,079.910.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC5\$315,997.831.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF MORTGAGE COMPANY, INC. D/B/A RUOFF HOME MORTGAGE1\$56,034.970.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK, N.A1\$65,556.010.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAVINGS INSTITUTE BANK AND TRUST COMPANY2\$258,628.891.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SCOTIABANK DE PUERTO RICO5\$231,784.921.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY

SERVICE FEDERAL CREDIT

UNION1\$77,773.440.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIMMONS
 BANK1\$59,387.470.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SMART CHOICE
 MORTGAGE, LLC1\$87,495.170.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHSIDE
 BANK1\$64,191.990.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST CREDIT
 UNION1\$100,793.220.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING,
 LLC1\$78,544.680.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STIFEL BANK AND
 TRUST1\$35,633.140.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SWBC MORTGAGE
 CORPORATION1\$96,574.210.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEUTOPOLIS
 STATE BANK1\$43,967.010.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BANKERS
 GUARANTEE TITLE & TRUST
 COMPANY1\$108,132.040.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CENTRAL
 TRUST BANK3\$222,528.501.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST
 NATIONAL BANK OF
 CARMII\$76,007.350.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST NATIONAL
 BANK OF DENNISON1\$39,906.570.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 MORTGAGE SOURCE, INC1\$72,794.140.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 SECURITY NATIONAL BANK OF SIOUX CITY
 IOWA1\$24,887.510.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE
 COMPANY1\$76,032.280.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRAVERSE CITY
 STATE BANK1\$57,185.620.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRIUS FEDERAL
 CREDIT UNION1\$62,412.140.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTONE
 FINANCIAL FEDERAL CREDIT
 UNION1\$47,145.950.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUWEST CREDIT
 UNION2\$113,085.850.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TWINSTAR CREDIT
 UNION1\$68,492.830.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK,
 AN OHIO
 CORPORATION4\$227,779.631.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANTAGE
 WEST CREDIT
 UNION9\$1,028,182.155.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WASHINGTON
 STATE EMPLOYEES CREDIT
 UNION1\$69,539.440.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTERRA CREDIT
 UNION1\$142,661.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA XCEED FINANCIAL
 FEDERAL CREDIT UNION1\$58,697.380.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB,
 N.A. DBA AMEGY
 BANK1\$30,434.380.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 270\$19,518,176.66100%0\$0.00**
 BANK1\$80,799.270.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ABERDEEN PROVING
 GROUND FCU1\$124,590.600.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY
 MORTGAGE
 CORPORATION3\$295,988.671.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALERUS
 FINANCIAL, N.A. DBA ALERUS
 MORTGAGE1\$56,237.380.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIANT
 BANK1\$47,662.930.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL
 BANK2\$134,451.350.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET
 MORTGAGE, INC2\$203,351.730.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN
 PACIFIC MTG
 CORP1\$86,230.730.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL
 CORPORATION2\$99,887.680.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOM
 MORTGAGE
 COMPANY1\$35,200.970.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
 MORTGAGE

CORPORATION2\$231,342.580.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ANCHOR MORTGAGE SERVICES, INC., AN ALABAMA
 CORPORA1\$141,962.560.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARVEST BANK1\$59,257.430.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL
 ASSOCIATION1\$44,727.890.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE FINANCIAL GROUP, LLC
 ISAOAATIMA1\$54,228.560.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AURGROUP FINANCIAL CREDIT
 UNION1\$59,213.640.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AZURA CREDIT UNION2\$72,834.610.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO POPULAR DE PUERTO RICO3\$183,156.520.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$64,073.800.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE CASCADES1\$76,110.250.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE OZARKS, A CORPORATION1\$95,014.860.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION2\$172,365.280.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY LLC2\$202,167.890.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BNA BANK1\$93,345.230.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK OF ALBUQUERQUE1\$64,693.690.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK OF OKLAHOMA1\$42,495.510.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BRAND MORTGAGE GROUP, LLC1\$99,887.610.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER BANK, NATIONAL
 ASSOCIAITON1\$77,085.390.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BRIDGEWAY FINANCIAL, LLC1\$65,620.810.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC1\$111,571.150.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING4\$354,280.941.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE SERVICES, INC2\$108,624.390.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL COMPANY, L.P. DBA SEBONIC FINANCIAL L.P2\$243,328.970.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC3\$323,038.851.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENDERA FUNDING, INC1\$119,299.920.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF LAKE OF THE OZARKS1\$46,864.460.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF THE OZARKS1\$47,919.440.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRIS FCU1\$66,215.900.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK1\$52,112.430.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION2\$159,115.680.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIS FINANCIAL SERVICES, INC. DBA CIS HOME LOANS2\$105,514.340.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS BANK, NA1\$74,537.370.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS FIRST BANK1\$86,225.610.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS STATE BANK1\$102,343.560.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY BANK1\$92,831.150.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY BANK MORTGAGE1\$96,320.980.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY NATIONAL BANK1\$41,858.010.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLEAR MOUNTAIN BANK1\$36,821.380.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA1\$69,869.440.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COASTAL

FEDERAL CREDIT

UNION1\$78,380.630.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLEMAN COUNTY STATE BANK1\$57,503.350.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL SAVINGS, F.A1\$94,468.950.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMERCIAL BANK OF TEXAS, N.A1\$83,718.760.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY STAR CREDIT UNION1\$95,354.780.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY AMERICA CREDIT UNION1\$55,038.320.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMPASS MORTGAGE INC1\$83,377.070.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONCORDE BANK, A CORPORATION1\$42,478.590.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$40,063.240.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A5\$428,865.451.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT UNION2\$198,741.260.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE MANAGEMENT LLC1\$119,536.690.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD1\$91,568.240.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ESSEX RESIDENTIAL MORTGAGE, LLC1\$84,991.070.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVERETT FINANCIAL INC., DBA SUPREME LENDING1\$153,442.910.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVERETT FINANCIAL, INC. D/B/A SUPRE2\$100,747.740.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVOLVE BANK & TRUST2\$303,782.741.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA F&M BANK, A NEBRASKA CORPORATION1\$92,372.900.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION1\$119,368.940.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC2\$206,042.560.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK2\$193,486.130.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC2\$235,562.300.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA MORTGAGE LLC1\$95,731.610.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCIAL PARTNERS CREDIT UNION1\$135,153.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST AMERICAN INTERNATIONAL BANK1\$15,324.250.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK1\$73,070.170.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK & TRUST1\$113,914.690.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK PUERTO RICO2\$77,833.230.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COMMUNITY CREDIT UNION1\$72,780.420.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COMMUNITY CREDIT UNION OF BELOIT2\$86,182.380.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FINANCIAL BANK3\$210,478.480.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERSTATE BANK1\$91,047.010.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MIDWEST BANK2\$149,635.600.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MORTGAGE COMPANY, LLC1\$130,992.980.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK FORT SMITH2\$74,863.610.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF OMAHA5\$403,188.771.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED CREDIT

UNION1\$128,149.140.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY3\$222,062.830.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTBANK PUERTO RICO1\$60,818.840.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRSTRUST BANK1\$105,049.500.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIVE POINTS BANK, A NEBRASKA CORPORATION1\$89,780.230.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FOREST AREA FEDERAL CREDIT UNION1\$60,378.510.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FREEDOM MORTGAGE CORPORATION1\$72,137.420.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE GROUP, LLC1\$124,624.630.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU1\$59,245.540.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GERBER FEDERAL CREDIT UNION1\$45,571.050.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOGEBIC RANGE BANK1\$44,565.120.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN 1 CREDIT UNION4\$330,081.191.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT LAKES CREDIT UNION1\$62,831.930.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREATER NEVADA MORTGAGE2\$157,573.390.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GSF MORTGAGE CORPORATION1\$121,806.830.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC., A DELAWARE CORPORATION1\$81,338.620.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY5\$392,976.131.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUM TREE MORTGAGE, LLC1\$91,286.600.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT UNION2\$103,681.820.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FEDERAL BANK1\$42,495.490.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FINANCING CENTER, INC1\$51,184.150.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION2\$127,384.690.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC1\$94,434.540.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC DBA CAPWEST HOME LOANS1\$47,215.050.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC. DBA REAL ESTATE MORTGAGE1\$121,548.120.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTAR FINANCIAL CORP A CORPORATION1\$97,478.140.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING CORP DBA MCGLONE MORTGAGE GROUP1\$53,479.040.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET BANK2\$129,881.270.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEWARD RESIDENTIAL INC2\$137,430.700.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR BANK1\$45,396.920.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL CREDIT UNION1\$30,363.040.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IH MISSISSIPPI VALLEY CREDIT UNION, A CORPORATION1\$38,335.600.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERCONTINENTAL CAPITAL GROUP, INC, DBA, FELLOWSHIP HOME LO1\$96,942.530.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERCONTINENTAL CAPITAL GROUP,INC. DBA FELLOWSHIP HOME LOAN1\$102,528.700.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G. WENTWORTH

HOME LENDING, INC. -

CONV1\$91,314.910.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JAMES B. NUTTER & COMPANY2\$164,932.880.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JLB CORPORATION - COR1\$46,659.230.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LENOX FINANCIAL MORTGAGE CORPORATION (CA)1\$63,103.390.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY SAVINGS BANK, FSB1\$89,745.470.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LONGVIEW BANK & TRUST2\$83,462.180.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$71,877.850.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA METRO HEALTH SERVICES FCU1\$36,451.700.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$125,306.180.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDLAND STATES BANK3\$218,809.280.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONROE BANK AND TRUST A BANKING CORPORATION1\$129,734.160.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORRILL & JANES BANK AND TRUST COMPANY1\$66,063.780.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE 1 INCORPORATED1\$164,236.470.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CENTER LLC2\$187,529.160.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SOLUTIONS OF COLORADO, LLC1\$149,674.160.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SOLUTIONS OF ST. LOUIS1\$104,651.620.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK, N.A6\$547,008.642.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MYCUMORTGAGE, LLC1\$21,247.750.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS RELIABLE LENDING, LLC1\$158,650.510.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEW PENN FINANCIAL, LLC1\$85,935.400.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHPOINTE BANK1\$84,991.070.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NUMARK CREDIT UNION1\$55,309.340.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OCWEN LOAN SERVICING LLC1\$81,542.930.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD SECOND NATIONAL BANK2\$131,880.680.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONEAZ CREDIT UNION2\$135,108.030.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIENTAL BANK1\$28,330.380.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORNL FEDERAL CREDIT UNION1\$44,650.260.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC1\$78,619.750.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - WENATCHEE1\$34,905.660.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES HOME EQUITY, INC1\$123,679.150.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION6\$713,758.352.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM MORTGAGE, INC1\$101,989.300.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE1\$148,305.390.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIORITY HOME MORTGAGE, L.P1\$115,879.400.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROCURA MORTGAGE COMPANY2\$205,143.480.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PULTE MORTGAGE LLC2\$78,973.330.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RANDOLPH SAVINGS BANK1\$65,584.770.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RCB BANK1\$71,014.740.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RED RIVER EMPLOYEES FCU1\$55,760.170.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESIDENTIAL MORTGAGE SERVICES, INC1\$164,150.400.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESMAC, INC1\$68,598.310.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER VALLEY CREDIT UNION2\$232,524.520.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING

CORPORATION5\$573,791.332.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL
 UNITED MORTGAGE
 LLC15\$918,524.913.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUBICON MORTGAGE
 ADVISORS, LLC1\$161,784.710.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF
 MORTGAGE COMPANY, INC. D/B/A RUOFF HOME
 MORTGAGE1\$73,731.800.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SCOTIABANK DE
 PUERTO RICO2\$119,735.660.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SCOTT CREDIT
 UNION1\$48,268.910.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY SERVICE
 FEDERAL CREDIT
 UNION2\$211,957.170.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITYNATIONAL
 MORTGAGE
 COMPANY1\$133,016.960.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC
 MORTGAGE COMPANY,
 INC3\$217,874.430.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOLARITY CREDIT
 UNION1\$55,326.490.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE
 BANK2\$80,011.950.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ST.MARY'S
 BANK1\$164,498.390.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK,
 F.S.B6\$351,730.621.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATEWIDE
 MORTGAGE1\$53,046.590.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS
 LENDING INC2\$187,880.330.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS
 LENDING, LLC2\$123,679.140.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STOCK YARDS
 BANK & TRUST COMPANY1\$83,543.630.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUN
 WEST MORTGAGE COMPANY,
 INC1\$29,214.570.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FEDERAL SAVINGS
 BANK1\$99,096.840.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIDELITY DEPOSIT
 AND DISCOUNT
 BANK1\$47,568.880.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIAA,FSB1\$50,917.130.21%0\$0.00
 SQUARE MORTGAGE AND INVESTMENTS
 INC1\$52,012.500.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE
 COMPANY DBA AMERICU
 MORTGAGE1\$75,782.220.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRAVERSE CITY
 STATE BANK1\$39,773.190.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRAVIS CREDIT
 UNION1\$85,266.740.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ULSTER FEDERAL
 CREDIT UNION1\$103,101.940.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA
 BANK1\$25,755.360.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME
 MORTGAGE CORP., A
 CORPORATION3\$165,986.500.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANTAGE
 WEST CREDIT
 UNION2\$297,389.171.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE
 MORTGAGE
 CORPORATION1\$163,809.500.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEST
 COMMUNITY CREDIT
 UNION1\$84,986.020.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WHITE EAGLE CREDIT
 UNION1\$43,319.170.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WICHITA FEDERAL
 CREDIT UNION1\$42,494.950.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST
 MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST
 C1\$113,113.230.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WOOD & HUSTON
 BANK1\$124,590.600.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA XCEED FINANCIAL
 FEDERAL CREDIT UNION1\$76,110.250.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB,
 N.A. DBA AMEGY
 BANK2\$61,783.490.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 308\$24,645,819.21100%0\$0.0**

D/B/A IBERIABANK

MORTGAGE1\$133,657.159.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT BANK3\$417,512.4130.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTMARK NATIONAL

BANK1\$161,500.0011.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTMARK NATIONAL BANK, A NATIONAL BANKING

ASSOCIATION4\$667,788.3848.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA **Total 9\$1,380,457.94100**

OF AMERICA LLC1\$267,750.009.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC DBA MOTIVE

LENDING1\$298,060.2511.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORANGE COUNTY'S CREDIT

UNION1\$274,395.1710.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PULTE MORTGAGE

LLC1\$239,638.528.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE

MORTGAGE6\$1,624,916.7560.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA **Total 10\$2,704,760.69100**

FEDERAL SAVINGS

BANK1\$581,233.590.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION2\$653,798.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACHIEVA

CREDIT UNION2\$593,181.620.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACOPIA,

LLC4\$1,015,598.860.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACRE MORTGAGE &

FINANCIAL, INC1\$203,731.360.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVANCIAL

FEDERAL CREDIT

UNION1\$420,088.150.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVISORS CAPITAL, INC., A MICHIGAN

CORPORATION1\$259,641.790.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALKAN MORTGAGE CORPORATION DBA CERTIFIED MORTGAGE

PLANNERS1\$209,710.680.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALL WESTERN

MORTGAGE, INC1\$218,898.000.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO

NATIONAL BANK1\$304,584.650.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMCAP

MORTGAGE, LTD2\$717,425.220.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA'S

MORTGAGE LENDER,

L.L.C1\$211,707.920.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FINANCIAL

LENDING, INC1\$206,275.920.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

FINANCIAL NETWORK,

INC1\$324,552.240.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

NEIGHBORHOOD MORTGAGE ACCEPTANCE

COMPANY1\$204,018.530.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

PACIFIC MTG

CORP2\$644,521.560.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST

FINANCIAL, INC1\$295,092.880.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOME

MORTGAGE

COMPANY3\$742,888.750.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIS

BANK1\$360,078.230.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASPIRE FINANCIAL,

INC1\$224,690.020.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK

NATIONAL

ASSOCIATION1\$299,586.680.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE OZARKS, A

CORPORATION1\$311,570.150.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE

WEST, A CALIFORNIA STATE BANKING

CORP4\$1,290,619.411.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY

LLC1\$238,520.930.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY-VALLEY

MORTGAGE GROUP1\$268,629.390.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI

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FEDERAL BANK1\$301,983.370.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC1\$423,515.700.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING2\$526,365.800.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROOKHOLLOW MORTGAGE SERVICES, LTD1\$319,551.140.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. FINANCIAL, INC. DBA REAL ESTATE RESOURCE HOME LOANS1\$254,242.240.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CALATLANTIC MORTGAGE INC1\$335,537.080.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CALCULATED RISK ANALYTICS LLC1\$342,527.440.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CANTON SCHOOL EMPLOYEES FEDERAL CREDIT UNION1\$209,710.680.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL COMPANY, LIMITED PARTNERSHIP2\$585,891.240.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CASTLE & COOKE MORTGAGE, LLC1\$219,696.900.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENDERA FUNDING, INC1\$208,128.860.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTENNIAL LENDING GROUP, LLC1\$337,035.010.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTERSTATE BANK OF FLORIDA, NA1\$214,703.790.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK ILLINOIS1\$234,076.170.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$211,707.920.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK1\$199,755.380.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHERRY CREEK MORTGAGE CO., INC1\$267,178.390.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS FIRST BANK6\$1,637,838.631.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMC HOME LENDING1\$210,056.200.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE INC., DBA CMG FINANCIAL5\$1,962,041.981.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA1\$400,459.850.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL SAVINGS, F.A1\$249,655.570.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMONWEALTH FIRST MORTGAGE CORPORATION1\$295,592.180.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY MORTGAGE LLC1\$447,356.810.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME LENDING, INC7\$2,179,227.941.89%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CRESTMARK MORTGAGE COMPANY, LTD1\$379,364.620.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION2\$583,817.230.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DIRECTORS FINANCIAL GROUP1\$655,155.570.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE OF CALIFORNIA1\$363,498.510.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC4\$1,105,382.980.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC, A FLORIDA LIMITED LIABILITY COMPANY1\$377,479.210.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAST COAST MORTGAGE LENDERS INC2\$527,272.550.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EFINITY FINANCIAL

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INC1\$242,575.340.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS,
INC1\$387,465.440.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE
MANAGEMENT LLC3\$1,054,693.620.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY
MORTGAGE, LTD1\$363,997.820.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVOLVE
BANK & TRUST4\$1,147,516.860.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EZ
FUNDINGS, INC1\$245,980.630.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
INDEPENDENT MORTGAGE
CORP1\$252,651.430.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
INDEPENDENT MORTGAGE
CORPORATION14\$4,329,635.073.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAMILY
FIRST FUNDING, LLC1\$291,871.310.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC
MORTGAGE, LLC2\$480,622.640.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY
BANK D/B/A FIDELITY BANK
MORTGAGE2\$547,677.370.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
AMERICA LLC3\$1,281,478.251.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
AMERICA MORTGAGE
LLC1\$242,665.220.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCEMYHOME.COM1\$271,325.00
CENTER WEST, INC. -
COR1\$591,754.550.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
BANK1\$274,621.130.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CHOICE LOAN
SERVICES INC1\$450,923.670.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
CONTINENTAL MORTGAGE,
LTD2\$687,052.120.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL SAVINGS
AND LOAN ASSOCIATION OF
LAKEWOOD1\$294,808.560.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
BANK TEXAS DBA FIRST COMMUNITY
MORTGAGE1\$296,608.890.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
TECHNOLOGY FEDERAL CREDIT
UNION1\$381,656.920.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK
AND TRUST
COMPANY1\$224,508.870.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKLIN LOAN
CORPORATION2\$526,473.660.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FREEDOM
MORTGAGE CORPORATION DBA FREEDOM HOME MORTGAGE CORPORATION
(FN)1\$214,509.050.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GARDNER FINANCIAL
SERVICES, LTD2\$690,699.090.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY
MORTGAGE GROUP, LLC,
ISAOA/ATIMA9\$2,595,375.552.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GEORGE
MASON MORTGAGE,
LLC1\$413,165.990.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GLOBAL EQUITY
FINANCE, INC1\$239,669.340.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS,
LLC1\$359,054.640.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN 1 CREDIT
UNION1\$441,417.950.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN EMPIRE
MORTGAGE, INC1\$268,729.250.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GRAND
BANK FOR SAVINGS, FSB, A FEDERAL SAVINGS
BAN1\$200,723.080.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GTE FEDERAL CREDIT
UNION1\$225,988.220.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
INC., A DELAWARE
CORPORATION3\$1,178,395.021.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
MORTGAGE
COMPANY3\$889,955.400.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAMILTON GROUP
FUNDING, INC3\$894,965.290.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HIGHLANDS

RESIDENTIAL MORTGAGE,

LTD7\$2,275,862.161.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME APPROVALS
 DIRECT, INC1\$303,240.980.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT
 FINANCIAL
 CORPORATION1\$361,501.260.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEAMERICAN
 MORTGAGE
 CORPORATION1\$287,376.530.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC17\$6,613,947.345.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES, INC. DBA REAL ESTATE MORTGAGE
 NETWORK1\$202,708.090.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESPIRE
 MORTGAGE FKA NEW AMERICA FINANCIAL
 CORP1\$295,297.600.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTAR FINANCIAL
 CORPORATION2\$514,390.330.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA I3 LENDING
 INC1\$291,547.710.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBMSECU1\$329,545.350.29%0\$0.00NA
 BANK1\$202,221.010.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INNOVATIVE
 MORTGAGE SERVICES
 INC1\$353,212.690.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INSPIRE HOME LOANS
 INC1\$288,932.380.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTEGRITY FIRST
 FINANCIAL GROUP, INC1\$339,531.570.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA K
 PACIFIC GROUP1\$457,369.000.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KBHS HOME
 LOANS, LLC1\$279,298.390.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN
 SERVICING LLC1\$259,630.640.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW
 LOAN SERVICING, LLC1\$342,427.580.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAND
 HOME FINANCIAL SERVICES,
 INC2\$724,609.570.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEGIONS CAPITAL,
 INC1\$271,625.250.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY SAVINGS BANK,
 FSB1\$249,655.570.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LONE STAR NATIONAL
 BANK1\$423,415.840.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LUXURY MORTGAGE
 CORP1\$359,504.020.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAIN STREET
 BANK1\$243,429.010.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGA CAPITAL
 FUNDING, INC1\$996,245.010.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA
 MORTGAGE, INC3\$966,069.120.84%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN
 WEST FINANCIAL,
 INC6\$2,015,176.441.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOVEMENT
 MORTGAGE, LLC1\$234,676.230.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS
 DIRECT MORTGAGE,
 LLC2\$668,078.300.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT
 MORTGAGE, LLC DBA MOTIVE
 LENDING1\$303,181.720.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING
 CORPORATION2\$430,605.910.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS
 RELIABLE LENDING,
 LLC2\$539,216.080.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK FUNDING,
 LP1\$238,121.480.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NFM,
 INC1\$287,603.210.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHEAST EQUITABLE
 MORTGAGE, LLC1\$202,221.010.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA
 FINANCIAL AND INVESTMENT
 CORPORATION2\$534,271.670.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OBSIDIAN
 FINANCIAL SERVICES, INC1\$286,854.240.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ON
 Q FINANCIAL, INC1\$423,515.710.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PALM
 BEACH FIRST FINANCIAL & MORTGAGE COMPANY

LLC2\$703,629.240.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC2\$466,871.430.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT RESIDENTIAL MORTGAGE
 GROU1\$208,518.740.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT RESIDENTIAL MORTGAGE GROUP,
 INC4\$1,250,474.821.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARKSIDE LENDING, LLC1\$349,617.660.3%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATELCO CREDIT UNION1\$256,669.180.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEAK FINANCE COMPANY1\$299,595.890.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U1\$246,859.420.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - BARKLEY FC1\$251,519.750.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - FREELAND1\$399,485.110.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - WENATCHEE1\$390,173.720.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES HOME EQUITY, INC1\$292,614.160.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION5\$1,228,229.871.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM HOME MORTGAGE CORPORATION1\$214,766.810.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE, INC1\$303,581.170.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY PARTNERS FINANCIAL1\$367,493.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL MORTGAGE, INC3\$1,118,163.250.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIORITY BANK FSB1\$201,673.770.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIORITY HOME MORTGAGE, L.P1\$267,706.670.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROVIDENT SAVINGS BANK, FSB1\$209,710.670.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRUDLER FUNDING1\$221,694.140.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PULTE MORTGAGE LLC7\$2,084,344.341.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESIDENTIAL MORTGAGE SERVICES, INC3\$915,749.000.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL PACIFIC FUNDING CORP1\$259,641.790.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL PACIFIC FUNDING CORPORATION1\$255,647.300.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUSHMORE LOAN MANAGEMENT SERVICES LLC1\$247,923.090.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SEA COUNTRY MORTGAGE, INC. DBA MARE1\$243,678.690.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURE FINANCIAL SERVICES, INC. - C1\$271,974.770.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SFMC, LP2\$654,696.070.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC MORTGAGE COMPANY, INC1\$216,707.700.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SKYLINE FINANCIAL CORP1\$643,151.950.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SKYLINE HOME LOANS1\$409,834.580.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP1\$328,921.210.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN TRUST MORTGAGE, LLC1\$321,306.720.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHSTAR BANK, S.S.B1\$239,669.340.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST CREDIT UNION1\$246,360.110.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B1\$284,616.100.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING, LLC10\$3,585,727.213.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT FUNDING INC1\$375,681.700.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT

FUNDING, INC1\$243,678.690.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TAMPA BAY
 FEDERAL CREDIT
 UNION1\$267,630.770.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TAYLOR MORRISON
 HOME FUNDING,
 LLC5\$1,665,118.501.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEXAS
 BANK1\$383,470.950.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE AMERICAN
 NATIONAL BANK OF
 TEXAS1\$291,597.710.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TITAN MUTUAL
 LENDING INC1\$385,468.190.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE
 MORTGAGE COMPANY DBA AMERICU
 MORTGAGE1\$246,075.510.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRAVIS CREDIT
 UNION1\$246,658.710.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRISTAR FINANCE,
 INC1\$316,563.260.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA U.S. CENTURY
 BANK1\$200,723.080.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME
 MORTGAGE CORP., A
 CORPORATION1\$269,628.010.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 WHOLESALE
 MORTGAGE32\$11,029,777.829.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY
 FEDERAL CREDIT
 UNION2\$543,976.510.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY LENDING
 GROUP, LLC2\$479,997.780.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANDYK
 MORTGAGE
 CORPORATION2\$574,836.970.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WALLICK &
 VOLK, INC2\$644,485.850.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WELLS FARGO
 BANK, N.A1\$799,016.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTSTAR
 BANK1\$235,674.850.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE,
 A DIVISION OF BARRINGTON BANK AND TRUST CO.,
 N.A1\$224,690.010.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$279,614.230.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA
 BANK1\$136,900.0013.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS
 INC. DBA NEW AMERICAN
 FUNDING1\$123,782.0012.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTENNIAL
 BANK, A
 CORPORATION1\$188,180.0018.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK
 D/B/A IBERIABANK
 MORTGAGE4\$564,594.6455.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 7\$1,013,456.64100%**
 MORTGAGE GROUP,
 INC1\$191,311.383.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CAPITAL
 COMMUNICATIONS FEDERAL CREDIT
 UNION2\$414,400.007.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON
 MORTGAGE SERVICES,
 LLC2\$494,342.078.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS,
 INC1\$208,554.963.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAMILY FIRST OF NY
 FEDERAL CREDIT
 UNION1\$93,361.201.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA
 MORTGAGE
 LLC1\$267,800.004.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC2\$695,000.0011.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING
 CORP1\$247,920.004.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HSBC BANK USA,
 N.A1\$108,976.891.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HUDSON VALLEY
 FEDERAL CREDIT

UNION3\$495,000.008.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION2\$232,400.003.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$190,000.003.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MB FINANCIAL BANK1\$575,002.639.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID-ISLAND MORTGAGE CORP1\$222,000.003.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM HOME MORTGAGE CORPORATION1\$230,042.003.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE2\$141,964.742.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE SUMMIT FEDERAL CREDIT UNION1\$124,800.002.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE3\$682,013.6611.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEICHERT FINANCIAL SERVICES1\$95,605.901.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA XCEED FINANCIAL FEDERAL CREDIT UNION1\$180,000.003.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 29\$5,890,495.43100%0\$0.00NA** MORTGAGE CORPORATION2\$394,000.004.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIS BANK1\$160,621.141.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK1\$184,000.001.92%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK1\$151,321.381.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITYWIDE HOME LOANS, A UTAH CORPORATION2\$506,100.565.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT UNION OF COLORADO A FEDERAL CREDIT UNION1\$200,000.002.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION1\$243,750.002.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAS ACQUISITION COMPANY LLC1\$158,763.381.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD1\$223,300.002.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS, INC2\$385,400.004.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAMILY FIRST FUNDING, LLC1\$243,446.862.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERSTATE BANK1\$183,750.001.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST TECHNOLOGY FEDERAL CREDIT UNION1\$267,000.002.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK AND TRUST COMPANY1\$178,578.871.86%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY3\$901,784.739.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HIGHLANDS RESIDENTIAL MORTGAGE, LTD1\$252,750.002.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION1\$323,114.783.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC2\$335,333.113.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INDEPENDENT BANK1\$164,349.841.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERCONTINENTAL CAPITAL GROUP, INC1\$165,212.201.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER ADVANTGE MORTGAGE1\$152,625.571.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE UNLIMITED, L.L.C1\$215,148.882.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK CAPITAL FUNDING CORPORATION2\$515,529.525.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC1\$165,850.001.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - LYNDEN1\$223,056.672.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORT WASHINGTON

STATE BANK1\$163,920.001.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P FUNDING
 INC1\$213,750.002.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL PACIFIC FUNDING
 CORP1\$204,192.232.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SENTE MORTGAGE,
 INC1\$151,111.771.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEXAS BANK FINANCIAL
 DBA TEXAS BANK MORTGAGE
 CO1\$177,796.641.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MORTGAGE HOUSE,
 INC1\$328,739.403.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRIDENT MORTGAGE
 COMPANY LP1\$276,053.392.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTONE
 FINANCIAL FEDERAL CREDIT
 UNION1\$232,500.002.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE
 MORTGAGE2\$626,845.776.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVEST BANK
 AND TRUST
 CO1\$328,500.003.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 43\$9,598,196.69100%0\$0.00 0\$0.00**
 MIDAMERICA CREDIT
 UNION1\$133,402.597.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALPINE BANK &
 TRUST CO1\$235,200.0013.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
 SPRINGFIELD2\$360,547.7820.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 BANKERS TRUST COMPANY,
 N.A.2\$251,140.0114.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND CREDIT
 UNION1\$130,000.007.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARINE
 BANK4\$544,004.0530.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWN AND COUNTRY
 BANC MORTGAGE SERVICES,
 INC1\$136,000.007.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 12\$1,790,294.43100%0\$0.00 0\$0.00**
 FEDERAL CREDIT
 UNION3\$395,550.009.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK
 MUTUAL1\$135,000.003.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CO-OP CREDIT
 UNION1\$130,300.003%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST
 BANK1\$137,000.003.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DENMARK STATE
 BANK1\$137,700.003.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
 INDEPENDENT MORTGAGE
 CORPORATION1\$133,666.783.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA MORTGAGE
 LLC1\$206,730.004.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE
 CORPORATION2\$313,030.007.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK
 CREDIT UNION4\$516,618.0611.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NICOLET
 NATIONAL BANK2\$353,000.008.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD
 NATIONAL BANK1\$121,000.002.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PAPER CITY
 SAVINGS
 ASSOCIATION1\$137,000.003.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES
 HOME EQUITY INC . , A TENNESSEE
 CORPORATION1\$148,800.003.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES
 HOME EQUITY INC., A TENNESSEE
 CORPORATION1\$122,150.002.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL
 CREDIT UNION2\$347,900.008%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT
 UNION4\$540,958.5912.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT
 UNION2\$341,437.077.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$129,000.002.98%0\$0.00 0\$0.00
 FEDERAL CREDIT
 UNION17\$1,757,161.0061.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
 FINANCIAL SERVICES,
 INC2\$300,214.0110.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
 ASSOCIATION2\$230,005.487.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED

WHOLESALE

MORTGAGE1\$387,000.0013.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERMONT
 FEDERAL CREDIT UNION, A FEDERAL CREDIT
 UNION1\$205,000.007.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 23\$2,879,380.49100%0\$0.00**
 MORTGAGE CORP
 (24545)1\$350,993.565.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BETHPAGE FEDERAL
 CREDIT UNION12\$2,780,325.2846.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG
 MORTGAGE INC., DBA CMG
 FINANCIAL1\$334,500.005.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY
 MORTGAGE, INC., A
 CORPORATION1\$328,000.005.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEADOWBROOK
 FINANCIAL MORTGAGE BANKERS
 CORP1\$364,485.726.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NASSAU EDUCATORS
 FCU2\$325,800.005.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE
 CORPORATION1\$355,968.735.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME
 MORTGAGE1\$122,219.532.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM
 BANK, F.S.B1\$215,000.003.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TEACHERS
 FEDERAL CREDIT UNION1\$218,000.003.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE
 FEDERAL SAVINGS
 BANK1\$372,923.816.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE
 MORTGAGE1\$262,998.004.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 24\$6,031,214.63100%**
 BANK CORP1\$115,586.433.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST
 FEDERAL CREDIT
 UNION1\$115,483.803.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET
 MORTGAGE, INC1\$111,919.203.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
 MORTGAGE
 CORPORATION1\$115,482.353.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED
 BANK NATIONAL
 ASSOCIATION2\$240,970.087.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO
 POPULAR DE PUERTO
 RICO1\$113,164.163.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BETHPAGE FEDERAL
 CREDIT UNION1\$49,781.911.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CASTLE &
 COOKE MORTGAGE,
 LLC1\$110,250.003.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL NATIONAL
 MORTGAGE, A DIVISION OF COLONIAL SAVINGS,
 F.A1\$113,995.583.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY SAVINGS
 BANK1\$116,910.003.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEAN COOPERATIVE
 BANK1\$112,000.003.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEVATIONS CREDIT
 UNION1\$117,069.653.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENT CREDIT
 UNION1\$121,481.963.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA
 LLC1\$112,482.503.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF
 LE CENTER (12040)1\$124,443.753.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
 MORTGAGE
 COMPANY1\$125,000.003.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOLYOKE CREDIT
 UNION1\$119,476.573.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT
 UNION1\$119,905.943.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MCPHERSON CO-OP
 CREDIT UNION1\$109,691.723.21%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHWEST
 FEDERAL CREDIT
 UNION1\$110,804.723.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY
 MORTGAGE, LLC1\$91,000.002.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROGRESS
 BANK AND TRUST1\$121,320.113.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PURDUE

FEDERAL CREDIT

UNION1\$117,898.093.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION1\$110,515.953.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION1\$113,959.633.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ST CLAIR COUNTY STATE BANK1\$119,495.683.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE1\$125,000.003.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK2\$238,953.127%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 30\$3,414,042.90100%0\$0.00 0\$0.00** CAPITAL, INC1\$139,382.692.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC6\$862,656.6513.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION1\$130,812.081.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION1\$127,441.671.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF HAWAII1\$129,427.241.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION2\$286,194.574.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL NATIONAL MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A1\$138,293.192.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITYBANK OF TEXAS NA1\$133,944.502.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENT CREDIT UNION1\$145,084.022.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC1\$149,345.722.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCIAL PARTNERS CREDIT UNION1\$143,475.582.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK PUERTO RICO1\$147,000.002.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERNET BANK OF INDIANA1\$135,380.692.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY1\$147,834.112.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY1\$129,000.001.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION1\$118,098.991.79%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET BANK1\$149,345.712.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION1\$149,335.002.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LENDINGHOME FUNDING CORPORATION1\$128,437.311.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK FUNDING, LP1\$148,000.002.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NEWTOWN SAVINGS BANK1\$126,000.001.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC1\$127,200.001.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U5\$732,423.5711.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION2\$286,076.444.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUN WEST MORTGAGE COMPANY, INC1\$143,622.722.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THIRD FEDERAL SAVINGS AND LOAN ASSOCIATION OF CLEVELAND8\$1,117,578.3016.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION1\$147,566.532.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT UNION1\$149,300.002.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEICHERT FINANCIAL SERVICES1\$131,417.972%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 47\$6,599,675.25100%0\$0.00 0\$0.00** HOME LOANS1\$154,310.242.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST FEDERAL CREDIT

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UNION1\$150,327.751.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC6\$965,800.0012.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION3\$481,410.806.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$155,298.852.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF BOLIVAR, A MISSOURI BANKING CORPORATION1\$153,000.002.01%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF HAWAII1\$161,000.002.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF HAWAII RETAIL1\$174,228.982.28%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION2\$333,293.364.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION1\$156,500.002.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUPACO COMMUNITY CREDIT UNION1\$160,000.002.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEMENTS FINANCIAL FEDERAL CREDIT UNION1\$164,921.662.16%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENT CREDIT UNION2\$330,149.424.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK D/B/A FIRST BANK MORTGAGE1\$171,249.752.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST COLONY MORTGAGE CORPORATION1\$161,774.412.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST GUARANTY MORTGAGE CORPORATION1\$149,460.641.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERSTATE BANK1\$160,000.002.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST REPUBLIC BANK1\$161,781.192.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF LE CENTER (12040)1\$163,270.202.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GLOBAL EQUITY FINANCE, INC2\$331,458.434.35%1\$151,166.79NA0\$0.00NA0\$0.00NA1\$151,166.79NA0\$0.00NA0\$0.00NA J.G. WENTWORTH HOME LENDING, LLC1\$172,052.632.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK, N.A1\$172,435.002.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC BANK1\$164,000.002.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH AMERICAN SAVINGS BANK, FSB1\$163,093.852.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U2\$323,434.024.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROGRESSIVE SAVINGS BANK1\$170,851.502.24%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PURDUE FEDERAL CREDIT UNION1\$171,413.212.25%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION3\$475,051.906.23%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK, N.A1\$169,490.122.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SCOTIABANK DE PUERTO RICO1\$154,801.092.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE1\$168,969.152.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION2\$315,900.994.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERMONT STATE EMPLOYEES CREDIT UNION1\$166,239.652.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 47\$7,626,968.79100% 1\$151** MIDAMERICA CREDIT UNION1\$91,602.710.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION1\$97,764.490.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVANCE MORTGAGE & INVESTMENT COMPANY, LLC1\$91,112.760.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIANT

BANK1\$100,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC1\$99,468.160.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PORTFOLIO MORTGAGE CORP1\$90,614.710.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL CORPORATION1\$93,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION1\$108,751.950.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCFIRST1\$99,581.04 BANK3\$308,070.791.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF SULLIVAN1\$90,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANKSOUTH MORTGAGE COMPANY, LLC1\$92,602.410.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY LLC1\$101,732.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY, LLC1\$94,593.870.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI FEDERAL BANK1\$99,573.480.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER BANK, NATIONAL ASSOCIATION2\$200,634.041.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC. DBA NEW AMERICAN FUNDING2\$199,572.491.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING1\$94,700.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CBC NATIONAL BANK1\$89,615.240.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL MINNESOTA CREDIT UNION1\$95,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK2\$209,389.241.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK SOUTH HAVEN MAIN1\$103,360.700.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK ST JOSEPH CLEVELAND AVE1\$92,602.410.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK ST JOSEPH COURT PLACE1\$102,763.240.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION3\$270,234.891.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIBANK,N.A1\$92,111 MORTGAGE INC., DBA CMG FINANCIAL1\$104,057.740.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA1\$107,896.070.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLUMBIA CREDIT UNION1\$109,529.740.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY SAVINGS BANK1\$101,500.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY STATE BANK OF ROCK FALLS1\$100,314.920.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS NATIONAL BANK (17448)1\$94,104.090.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS MORTGAGE, A DIVISION OF COLONIAL SAVINGS, F.A2\$207,955.421.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAIRYLAND STATE BANK1\$95,589.590.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEAN COOPERATIVE BANK1\$100,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT UNION1\$91,025.980.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU FINANCIAL2\$187,710.270.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD1\$99,572.490.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE OF CALIFORNIA1\$99,152.340.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEMENTS FINANCIAL FEDERAL CREDIT UNION1\$86,750.520.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE

MANAGEMENT LLC2\$211,662.321.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION1\$91,913.300.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$103,564.290.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK D/B/A FIDELITY BANK MORTGAGE4\$383,087.981.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC1\$109,529.740.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK D/B/A FIRST BANK MORTGAGE2\$202,986.931.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST DIRECT LENDING, LLC1\$104,100.960.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF OMAHA1\$103,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF PARK FALLS1\$101,970.990.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE COMMUNITY BANK1\$99,426.790.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK & TRUST COMPANY1\$105,201.720.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIVE POINTS BANK1\$102,850.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH MORTGAGE, INC., A MISSOURI CORPORATION1\$98,400.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLORIDA CREDIT UNION1\$88,615.660.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FNBA ATTN: MORTGAGE LENDING DEPARTMENT1\$99,541.670.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU1\$89,221.650.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STAR MORTGAGE FINANCIAL GROUP CORPORATION1\$101,852.690.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A. A NATIONAL ASSOCIATION1\$108,339.540.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY3\$298,143.871.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HALL FINANCIAL GROUP1\$99,581.040.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAMILTON GROUP FUNDING, INC1\$102,858.380.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION4\$413,129.132.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME SAVINGS BANK2\$190,054.540.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON BANK1\$97,897.250.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A IBERIABANK MORTGAGE1\$105,800.340.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDEAL CREDIT UNION1\$91,602.710.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IH MISSISSIPPI VALLEY CREDIT UNION, A CORPORATION1\$98,800.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERCITY STATE BANK1\$92,466.170.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IOWA BANKERS MORTGAGE CORPORATION1\$95,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KERN SCHOOLS FEDERAL CREDIT UNION1\$91,800.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION1\$85,952.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN CREDIT UNION5\$477,005.972.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEADER MORTGAGE1\$99,568.160.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LOGIX FEDERAL CREDIT UNION1\$99,137.340.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA M/I FINANCIAL, LLC1\$102,572.610.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARINE BANK1\$107,533.620.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$109,300.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MINNESOTA VALLEY

FEDERAL CREDIT

UNION1\$89,619.110.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONSON SAVINGS BANK1\$100,568.210.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORGAN STANLEY PRIVATE BANK, NATIONAL ASSOCIATION1\$95,273.790.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORIA DEVELOPMENT INC., DBA PEOPLES MORTGAGE 1\$87,830.490.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE 1 INCORPORATED2\$207,124.321.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGENETWORK CITY BANK1\$94,500.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK, N.A1\$99,491.670.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD NATIONAL BANK1\$107,000.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED1\$109,000.520.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC3\$293,609.081.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENNSYLVANIA EQUITY RESOURCES, INC1\$89,615.250.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - BARKLEY FC1\$89,615.240.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION2\$182,882.150.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRAIRIE STATE BANK & TRUST1\$90,017.420.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIA MORTGAGE, LLC1\$86,321.120.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIORITY HOME MORTGAGE, L.P1\$109,509.380.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPECT MORTGAGE, LLC DBA CAPWEST1\$101,600.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME MORTGAGE, LLC1\$99,576.790.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PURDUE FEDERAL CREDIT UNION1\$84,508.420.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P FUNDING INC1\$94,376.960.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION1\$98,513.300.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROBINS FINANCIAL CREDIT UNION1\$89,419.960.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROCKY MOUNTAIN BANK1\$90,000.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING CORPORATION1\$92,606.410.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION5\$486,357.682.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SALEM FIVE MORTGAGE COMPANY, LLC1\$99,572.490.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK, N.A5\$501,089.932.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY SERVICE FEDERAL CREDIT UNION1\$108,787.640.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITYNATIONAL MORTGAGE COMPANY1\$93,510.230.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC MORTGAGE COMPANY, INC1\$109,524.980.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIU CREDIT UNION1\$104,057.740.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOMERSET TRUST COMPANY1\$87,289.010.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH CAROLINA FEDERAL CREDIT UNION1\$107,533.620.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK3\$299,000.001.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN HERITAGE BANK (11940)1\$92,208.100.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHPOINT FINANCIAL CREDIT

UNION1\$107,000.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STANDARD MORTGAGE CORP1\$90,292.670.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B2\$207,110.781.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING INC1\$109,034.460.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING, LLC1\$107,034.770.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION1\$85,500.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE EPHRATA NATIONAL BANK1\$100,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THREE RIVERS FEDERAL CREDIT UNION1\$90,511.400.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK, AN OHIO CORPORATION16\$1,557,424.738.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE6\$584,338.653.04%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FIRST FEDERAL CREDIT UNION1\$89,611.350.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT UNION1\$102,555.210.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK1\$89,137.290.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERITEX COMMUNITY BANK1\$101,000.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERVE, A CREDIT UNION1\$87,807.070.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEST VIRGINIA HOUSING DEVELOPMENT FUND1\$93,203.870.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WILLAMETTE VALLEY BANK1\$99,581.040.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WILMINGTON SAVINGS FUND SOCIETY, FSB (30958)1\$99,135.150.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK & TRUST CO, NA1\$100,622.190.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO., N.A.1\$107,065.980.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB, N.A. DBA AMEGY BANK1\$89,619.110.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable3\$310,679.571.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROVING GROUND FEDERAL CREDIT UNION1\$122,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY MORTGAGE CORPORATION2\$240,940.100.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVISORS MORTGAGE GROUP, LLC1\$118,590.480.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AFFILIATED MORTGAGE SERVICES1\$122,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AFFINITY PLUS FEDERAL CREDIT UNION1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALTRA FEDERAL CREDIT UNION2\$234,676.530.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK2\$236,520.000.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST FEDERAL CREDIT UNION1\$118,918.630.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN BANK CENTER1\$122,500.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC3\$351,000.000.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION4\$384,223.781.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARK LA TEX FINANCIAL SERVICES DBA BENCHMARK MORTGAGE1\$114,996.780.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASPIRE FINANCIAL INC DBA TEXASLENDING.COM1\$117,689.330.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL

ASSOCIATION2\$232,970.660.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC BAY MORTGAGE GROUP, LLC1\$124,351.560.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF ENGLAND1\$124,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF HAWAII RETAIL1\$115,295.650.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP1\$114,518.210.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF WASHINGTON1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BELL BANK3\$351,470.390.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLOOMBANK1\$123,628.610.35% FEDERAL BANK2\$246,276.300.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER BANK, NATIONAL ASSOCIATION3\$358,494.261%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING1\$116,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC2\$230,851.440.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON BANK1\$117,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CBC NATIONAL BANK1\$113,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CEDAR RAPIDS BANK AND TRUST COMPANY, A CORPORATION1\$115,931.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF BOONE COUNTY1\$112,500.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING COMPANY1\$124,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK3\$353,435.780.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK RILEY ST1\$119,497.260.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK SUTTONS BAY DOWNTOWN1\$123,674.370.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION3\$347,773.890.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIBC BANK USA1\$124,465.610.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS BANK1\$116,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS COMMUNITY FEDERAL N.A1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY STATE BANK1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLEAR LAKE BANK & TRUST COMPANY1\$119,492.140.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLINTON SAVINGS BANK1\$114,508.370.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA1\$109,783.400.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLONIAL SAVINGS, F.A2\$230,949.910.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST CREDIT UNION1\$111,393.030.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITYAMERICA CREDIT UNION3\$339,666.000.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION6\$707,977.631.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COOSA VALLEY CREDIT UNION1\$112,500.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CRESTMARK MORTGAGE COMPANY, LTD1\$119,497.260.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CUSO HOME LENDING1\$122,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAKOTA WEST CREDIT UNION1\$112,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEERE EMPLOYEES CREDIT UNION1\$114,055.330.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT

UNION1\$113,213.530.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU
 FINANCIAL1\$118,900.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE
 COMPANY LTD1\$123,410.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI
 MORTGAGE COMPANY, LTD. LIMITED
 PARTNERSHIP1\$118,565.560.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUBUQUE
 BANK AND TRUST COMPANY DBA NATIONAL RESIDENTIAL
 MORTGAGE2\$245,000.000.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DUPACO
 COMMUNITY CREDIT
 UNION1\$112,800.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
 MORTGAGE, LLC1\$122,205.800.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEMENTS
 FINANCIAL FEDERAL CREDIT
 UNION1\$115,016.710.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE,
 LTD1\$109,937.480.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT
 MORTGAGE
 CORPORATION6\$720,992.832.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMERS &
 MERCHANTS SAVINGS
 BANK1\$118,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FARMINGTON
 BANK1\$118,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAY SERVICING, LLC, A
 LIMITED LIABI1\$112,537.900.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC
 MORTGAGE, LLC3\$323,441.290.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA LLC2\$230,498.080.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA MORTGAGE
 LLC1\$119,492.140.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK D/B/A FIRST
 BANK MORTGAGE1\$118,676.500.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 COMMUNITY CREDIT UNION OF
 BELOIT1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL
 BANK & TRUST1\$120,800.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 FEDERAL BANK OF KANSAS
 CITY1\$114,792.110.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK,
 A TENNESSEE SAVINGS
 BANK1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERNATIONAL
 BANK & TRUST, A
 CORPORATION1\$111,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 HENNING1\$122,485.740.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF OMAHA5\$602,465.611.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 STEELEVILLE1\$122,479.440.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL MORTGAGE SERVICES,
 LLC1\$124,353.820.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST RELIANCE BANK
 TPO2\$224,500.000.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK
 NEBRASKA1\$119,397.680.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 TECHNOLOGY FEDERAL CREDIT
 UNION1\$111,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK
 & TRUST COMPANY2\$243,678.440.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT
 BRANCH MORTGAGE, INC., A MISSOURI
 CORPORATION1\$122,723.090.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FNBC
 BANK1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORUM CREDIT
 UNION1\$124,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKENMUTH
 CREDIT UNION1\$110,800.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKLIN
 BANK AND TRUST COMPANY, A KENTUCKY

CORPORATION1\$124,500.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FULTON BANK, N.A1\$120,980.580.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE CORPORATION1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU3\$344,169.950.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SERVICES, INC1\$121,738.330.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS, LLC2\$230,200.000.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT MIDWEST BANK2\$229,790.820.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREATER NEVADA MORTGAGE1\$115,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GSF MORTGAGE CORPORATION1\$122,484.680.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GTE FEDERAL CREDIT UNION1\$115,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC., A DELAWARE CORPORATION3\$344,543.770.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY3\$348,171.760.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAWTHORN BANK1\$116,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HEARTLAND FCU1\$115,250.170.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HICKORY POINT BANK & TRUST1\$120,607.170.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME AMERICA LENDING CORPORATION1\$122,872.090.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FEDERAL SAVINGS BANK2\$233,706.850.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION4\$459,843.351.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC2\$236,679.720.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD FUNDING CORP DBA MCGLONE MORTGAGE GROUP2\$240,000.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR CREDIT UNION1\$112,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INDEPENDENT BANK1\$124,460.200.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IOWA BANKERS MORTGAGE CORPORATION1\$112,250.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JONESTOWN BANK & TRUST COMPANY OF J1\$124,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KBHS HOME LOANS, LLC1\$124,470.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KENTWOOD MORTGAGE INC., AN OHIO COR1\$112,042.130.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION6\$702,545.921.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN CREDIT UNION4\$460,600.261.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT UNION3\$361,437.191.01%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEGACY BANK, AN IOWA CHARTERED BANK1\$117,100.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEGEND BANK, N.A1\$114,513.310.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER HOME LOAN, LLC1\$124,900.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBERS' ADVANTAGE CREDIT UNION, A CREDIT UNION1\$121,553.120.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCANTILE BANK1\$124,800.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERCHANTS NATIONAL BANK1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA MORTGAGE, INC3\$365,407.581.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT

UNION2\$233,024.480.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDLAND STATES BANK1\$120,922.720.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDWEST HERITAGE BANK, A FEDERAL SA1\$115,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOUNTAIN LAKES MORTGAGE INC1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL COOPERATIVE BANK, N.A1\$111,067.490.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONAL EXCHANGE BANK & TRUST1\$118,500.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING CORPORATION1\$111,200.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NICOLET NATIONAL BANK1\$114,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA FINANCIAL & INVESTMENT CORPORATION1\$115,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARK VIEW FEDERAL CREDIT UNION (30358)1\$115,499.070.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON FEDERAL C. U1\$112,317.770.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK1\$115,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PETEFISH, SKILES & CO. BANK1\$112,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PINNACLE BANK1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLANTERS FIRST BANK1\$118,955.400.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL MORTGAGE, INC1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROGRESS BANK & TRUST1\$111,516.340.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME MORTGAGE, LLC1\$117,299.050.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROVIDENT SAVINGS BANK, FSB1\$119,481.790.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PULTE MORTGAGE LLC1\$118,554.990.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RABOBANK, N.A1\$119,492.140.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RANDOLPH SAVINGS BANK1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REDSTONE FEDERAL CREDIT UNION2\$229,016.160.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT BANK2\$235,492.140.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REPUBLIC BANK & TRUST COMPANY2\$238,500.000.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIGHT START MORTGAGE, INC., A CALIFORNIA CORPORATION1\$113,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER VALLEY BANK1\$117,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION6\$711,838.281.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF MORTGAGE COMPANY, INC. D/B/A RUOFF HOME MORTGAGE1\$118,010.690.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SALEM FIVE MORTGAGE COMPANY, LLC5\$605,836.891.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK, N.A1\$112,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY STATE MORTGAGE COMPANY1\$119,486.990.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SFMC, LP DBA SERVICE FIRST MORTGAGE COMPANY1\$116,455.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIOUXLAND FEDERAL CREDIT UNION1\$117,490.430.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP3\$343,631.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI MORTGAGE, LLC2\$240,329.410.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK4\$470,994.411.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STORY BANK & TRUST1\$114,400.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST CREDIT UNION2\$233,786.060.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE BANK OF REESEVILLE1\$119,486.010.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B1\$114,991.290.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS

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LENDING, LLC3\$356,057.441%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SWBC MORTGAGE1\$114,005.430.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SWBC MORTGAGE CORPORATION2\$229,126.290.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SWINEFORD NATIONAL BANK1\$118,569.570.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BANK OF NEW GLARUS1\$121,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE STEPHENSON NATIONAL BANK & TRUS1\$114,000.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIAA,FSB1\$120,477.480.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SERVICES, LLC1\$122,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE MORTGAGE COMPANY DBA HOMEOWNERS MORTGAGE1\$118,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME MORTGAGE CORP., A CORPORATION1\$119,492.140.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK, AN OHIO CORPORATION9\$1,035,276.652.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED COMMUNITY BANK1\$124,100.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FEDERAL CREDIT UNION1\$110,833.710.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED PREMIER FUNDING, LLC1\$124,465.610.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED REALTY CENTER INC1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED VALLEY BANK1\$115,920.000.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE10\$1,180,548.353.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION2\$235,900.000.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF ILLINOIS COMMUNITY CR1\$120,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY OF IOWA COMMUNITY CREDIT UNION, A STATE CHARTERED CREDIT UNION3\$360,935.171.01%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT UNION3\$355,751.501%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK1\$117,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCONSIN CREDIT UNION1\$116,076.630.32%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK & TRUST CO, NA1\$110,051.590.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WISCONSIN BANK & TRUST1\$119,187.760.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA YOLO FEDERAL CREDIT UNION1\$125,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB, N.A. DBA NEVADA STATE BANK1\$121,887.200.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB, N.A. DBA ZIONS BANK1\$112,000.000.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$117,425.720.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE CORPORATION5\$685,394.431.8%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALIVE CREDIT UNION1\$135,430.220.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALL SQUARE MORTGAGE INC1\$146,776.180.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL BANK1\$149,700.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST FEDERAL CREDIT UNION3\$404,925.691.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN BANK CENTER1\$126,100.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FEDERAL BANK1\$149,352.250.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN INTERNET MORTGAGE, INC1\$144,871.680.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN

MORTGAGE & EQUITY CONSULTANTS,
 INC1\$147,736.980.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PORTFOLIO
 MORTGAGE CORP1\$129,284.930.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIS
 BANK1\$136,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
 MORTGAGE
 CORPORATION5\$671,892.841.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ANDIGO
 CREDIT UNION F/K/A MOTOROLA EMPLOYEES CREDIT
 UNION1\$129,393.800.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK
 NATIONAL
 ASSOCIATION2\$278,569.260.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ATLANTIC
 PACIFIC MORTGAGE
 CORPORATION1\$137,421.840.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AUSTIN
 CAPITAL MORTGAGE,
 INC1\$138,405.760.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCO SANTANDER
 PR1\$138,789.220.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A
 CALIFORNIA STATE BANKING
 CORP2\$287,571.790.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT
 UNION2\$282,000.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BELL
 BANK5\$697,978.771.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLUELEAF LENDING,
 LLC1\$125,455.890.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOFI FEDERAL
 BANK2\$261,434.410.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BREMER BANK,
 NATIONAL
 ASSOCIATION1\$128,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER
 SOLUTIONS INC., DBA NEW AMERICAN
 FUNDING2\$277,550.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. FINANCIAL,
 INC. DBA REAL ESTATE RESOURCE HOME
 LOANS1\$127,373.130.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CALIFORNIA CREDIT
 UNION1\$137,415.960.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL
 COMPANY, LIMITED
 PARTNERSHIP2\$293,500.000.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON
 MORTGAGE SERVICES,
 LLC6\$817,753.742.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON
 BANK1\$148,800.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHARTERBANK2\$263,797.870.69
 BANK1\$131,933.550.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL
 MORTGAGE
 CORPORATION2\$293,312.850.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CIS
 FINANCIAL SERVICES, INC. DBA CIS HOME
 LOANS1\$128,198.590.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS &
 NORTHERN BANK1\$134,428.660.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG
 MORTGAGE INC., DBA CMG
 FINANCIAL1\$127,458.280.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS
 CREDIT
 UNION1\$137,111.320.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY
 MORTGAGE, INC., A
 CORPORATION1\$142,992.260.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DELMAR
 FINANCIAL COMPANY1\$126,457.060.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESCO
 FEDERAL CREDIT
 UNION1\$131,615.940.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
 MORTGAGE OF
 CALIFORNIA1\$150,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
 MORTGAGE, LLC5\$704,023.441.85%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMPORIA

STATE FEDERAL CREDIT

UNION1\$130,961.440.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENT CREDIT
 UNION1\$124,856.720.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE,
 LTD1\$134,858.720.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT
 MORTGAGE
 CORPORATION3\$431,818.621.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAY
 SERVICING, LLC, A LIMITED
 LIABI1\$134,388.670.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK D/B/A
 FIDELITY BANK
 MORTGAGE4\$562,924.931.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA LLC1\$147,360.880.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA MORTGAGE
 LLC1\$140,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST AMERICAN BANK
 AND TRUST, A LOUISIANA
 CORPORATION1\$150,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 COMMUNITY BANK
 (15551)1\$148,070.790.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL
 SAVINGS AND LOAN ASSOCIATION OF
 LAKEWOOD1\$125,200.880.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST INTERNET
 BANK OF INDIANA2\$263,081.860.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 INTERSTATE BANK1\$133,893.750.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 OMAHA3\$427,026.941.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF
 PENNSYLVANIA1\$127,487.820.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 SERVICE
 BANK1\$137,421.850.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS BANK
 & TRUST COMPANY3\$416,189.031.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORUM
 CREDIT
 UNION1\$140,888.950.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANKENMUTH
 CREDIT
 UNION1\$127,435.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU2\$273,558.030.72%0\$0.00NA
 MORTGAGE LLC1\$133,579.840.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GIBRALTAR
 MORTGAGE SERVICES,
 LLC1\$144,222.920.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS,
 LLC1\$138,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT MIDWEST
 BANK1\$130,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,
 INC1\$125,703.390.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE
 COMPANY3\$423,239.571.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HICKORY POINT
 BANK & TRUST1\$143,190.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HILLS BANK
 AND TRUST COMPANY1\$125,754.160.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
 POINT FINANCIAL
 CORPORATION4\$536,599.741.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESIDE
 FINANCIAL, LLC1\$129,449.820.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTAR
 FINANCIAL
 CORPORATION1\$143,783.210.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD
 FUNDING CORP DBA MCGLONE MORTGAGE
 GROUP1\$126,000.000.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET
 BANK7\$969,631.802.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HONOR CREDIT
 UNION1\$130,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HURON VALLEY
 FINANCIAL INC1\$138,789.610.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK

D/B/A IBERIABANK

MORTGAGE3\$415,993.831.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL CREDIT UNION1\$124,659.340.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERLINC MORTGAGE SERVICES,

LLC1\$138,664.550.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G. WENTWORTH HOME LENDING, INC. -

CONV2\$287,364.000.76%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION7\$961,865.762.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN CREDIT

UNION4\$553,148.611.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT UNION3\$408,242.851.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY

BANK1\$145,375.840.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LOGIX FEDERAL CREDIT UNION1\$133,845.620.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA M/I

FINANCIAL, LLC3\$407,793.901.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERRIMACK MORTGAGE COMPANY,

LLC1\$141,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA METRO MORTGAGE CORPORATION1\$147,250.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE

ASSURANCE INC2\$277,662.330.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MOVEMENT MORTGAGE,

LLC1\$136,531.740.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MYCUMORTGAGE,

LLC1\$129,455.360.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC

BANK1\$145,800.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH AMERICAN SAVINGS BANK,

FSB1\$145,375.830.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHWESTERN BANK, NATIONAL

ASSOCIATION1\$149,352.240.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD

NATIONAL BANK1\$133,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIENTAL BANK2\$276,331.520.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIGIN

BANK1\$127,452.790.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA

LIMITED2\$276,181.130.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PANHANDLE EDUCATORS FEDERAL CREDIT

UNION1\$146,626.310.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC3\$406,252.931.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARKSIDE

LENDING LLC1\$138,793.530.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATELCO CREDIT UNION1\$142,388.660.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PENTAGON

FEDERAL C. U1\$139,394.080.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK - LYNDEN1\$149,365.180.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES HOME

EQUITY, INC1\$123,923.270.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH HOME LOANS, LLC1\$139,407.490.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE

CORPORATION3\$397,916.351.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER BANK, FEDERAL SAVINGS

BANK1\$144,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM FINANCIAL FUNDING LLC1\$143,172.060.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORT

WASHINGTON STATE

BANK1\$143,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PREMIA MORTGAGE, LLC1\$129,455.360.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIVATE MORTGAGE

WHOLESALE, INC1\$143,875.990.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPECT MORTGAGE, LLC DBA

CAPWEST1\$144,600.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME MORTGAGE, LLC3\$410,238.181.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA QUARRY

CITY SAVINGS & LOAN1\$139,307.920.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RED RIVER BANK1\$148,715.670.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE FIRST CAPITAL, LLC1\$140,780.480.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT BANK1\$149,321.560.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESIDENTIAL MORTGAGE SERVICES, INC1\$142,373.840.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RIVER BANK & TRUST1\$143,358.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROBINS FINANCIAL CREDIT UNION3\$402,681.221.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT MORTGAGE SERVICING CORPORATION4\$554,071.041.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL CREDIT UNION10\$1,408,172.833.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA S&T BANK1\$144,386.340.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANFORD INSTITUTION FOR SAVINGS1\$140,409.280.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SAVINGS BANK OF DANBURY1\$140,716.590.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SFMC, LP DBA SERVICE FIRST MORTGAGE1\$149,199.420.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC MORTGAGE COMPANY, INC1\$145,388.320.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SMW FINANCIAL LLC1\$149,315.180.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP1\$148,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH STATE BANK1\$142,500.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN HERITAGE BANK (11940)1\$128,827.180.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B1\$146,740.500.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT CREDIT UNION3\$417,869.631.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUN WEST MORTGAGE COMPANY, INC1\$126,727.160.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUNSHINE BANK, A CORPORATION1\$145,382.100.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUPERIOR CREDIT UNION, INC1\$144,347.510.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TD BANK, N.A5\$673,332.541.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CAPE COD FIVE CENTS SAVINGS2\$281,142.440.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST NATIONAL BANK OF DURANGO1\$143,378.160.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE MONEY SOURCE INC1\$125,466.750.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TIAA,FSB1\$129,396.980.34%0\$0.00NA REALTY1\$134,428.660.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRIDENT MORTGAGE COMPANY LP1\$145,774.130.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TRUSTONE FINANCIAL FEDERAL CREDIT UNION1\$145,842.550.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME MORTGAGE CORP., A CORPORATION1\$135,916.450.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK, AN OHIO CORPORATION7\$964,138.202.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION STATE BANK OF FARGO1\$133,900.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FEDERAL CREDIT UNION1\$43,481.120.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE3\$430,445.991.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION1\$140,391.110.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT UNION4\$560,408.901.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VERVE, A CREDIT UNION1\$146,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VINSON MORTGAGE SERVICES,

INC1\$131,441.360.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WASHINGTON TRUST MORTGAGE COMPANY
 LLC1\$142,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCONSIN CREDIT UNION1\$133,439.230.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WILLAMETTE VALLEY BANK1\$132,544.090.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO.,
 N.A3\$407,055.741.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WMS SERIES LLC1\$133,371.320.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WOOD & HUSTON BANK1\$147,000.000.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable4\$572,899.771.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE & INVESTMENT COMPANY,
 LLC1\$158,917.700.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICA FIRST FEDERAL CREDIT UNION1\$162,602.150.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST FINANCIAL CORPORATION1\$159,600.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED BANK NATIONAL ASSOCIATION5\$816,377.892.83%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AXIA FINANCIAL, LLC, A LIMITED LIABILITY COMPANY1\$169,280.530.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP2\$324,115.351.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER BANK1\$159,329.670.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BARTON CREEK LENDING GROUP LLC1\$170,000.000.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAXTER CREDIT UNION1\$170,581.490.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BENCHMARK COMMUNITY BANK1\$156,633.850.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK OF ALBUQUERQUE2\$328,638.141.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOKF NA DBA BANK OF OKLAHOMA1\$155,302.500.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC. DBA NEW AMERICAN FUNDING1\$156,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC1\$173,189.370.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTENNIAL BANK, A CORPORATION1\$172,000.000.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK CADILLAC DOWNTOWN1\$159,322.860.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS NATIONAL BANK OF PARK RAPIDS1\$169,258.390.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$155,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORONA MORTGAGE, LLC DBA OCEANS MORTGAGE1\$149,198.400.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION1\$172,758.270.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEERWOOD BANK1\$174,259.260.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT SCHOOLS FEDERAL CREDIT UNION2\$315,957.991.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU FINANCIAL1\$159,329.670.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE, LLC4\$658,903.412.29%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE LIMITED PARTNERSHIP1\$167,281.780.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FBC MORTGAGE, LLC1\$160,400.170.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF

AMERICA LLC7\$1,155,218.644.01%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK
D/B/A FIRST BANK
MORTGAGE2\$319,040.951.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK
FINANCIAL CENTRE1\$169,287.780.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
GUARANTY MORTGAGE CORPORATION DBA
GOODMORTGAGE.COM2\$324,105.171.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
INTERNET BANK OF
INDIANA1\$156,328.810.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
BANK OF
OMAHA8\$1,314,558.024.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS
BANK & TRUST
COMPANY2\$336,540.401.17%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH
MORTGAGE, INC., A MISSOURI
CORPORATION1\$167,894.020.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY
MORTGAGE GROUP, LLC,
ISAOA/ATIMA2\$315,365.651.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU2\$316,258.121.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA
MORTGAGE
CORPORATION1\$171,257.240.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD
MORTGAGE COMPANY5\$801,644.772.78%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
MORTGAGE ALLIANCE,
LLC1\$174,259.370.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL
CORPORATION4\$651,335.232.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE
FINANCIAL SERVICES,
INC2\$318,164.341.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTREET
BANK2\$322,816.211.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IDAHO CENTRAL
CREDIT UNION1\$167,313.890.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G.
WENTWORTH HOME LENDING, INC. -
CONV1\$165,290.330.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KAYE FINANCIAL
CORPORATION1\$167,289.000.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KELLY
COMMUNITY FEDERAL CREDIT
UNION1\$172,109.060.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KERN SCHOOLS
FEDERAL CREDIT
UNION1\$156,000.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
ASSOCIATION5\$834,204.222.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW
LOAN SERVICING
LLC1\$160,534.610.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN
SERVICING, LLC1\$165,444.670.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK
CREDIT UNION2\$314,916.241.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LOGAN STATE
BANK1\$131,137.230.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA M/I FINANCIAL,
LLC1\$159,306.030.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MARQUETTE BANK
(24859)1\$149,850.080.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MCLEAN MORTGAGE
CORPORATION A VIRGINIA
CORPORATION1\$159,309.060.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA METRO
CREDIT UNION1\$153,341.640.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MISSOURI
ELECTRIC COOPERATIVE EMPLOYEES'
CU1\$166,378.400.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK,
N.A.2\$325,616.091.13%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC
BANK1\$169,500.000.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NETWORK CAPITAL
FUNDING CORPORATION1\$150,722.050.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NJ
LENDERS CORP1\$167,274.520.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NVR
MORTGAGE FINANCE,

INC1\$151,363.190.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONE REPUBLIC,
 INC1\$165,055.900.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIGIN
 BANK3\$491,511.371.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORRSTOWN
 BANK1\$153,354.810.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION
 FINANCIAL, LLC, A CALIFORNIA
 LIMITED2\$346,949.681.2%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARK VIEW FEDERAL
 CREDIT UNION
 (30358)1\$166,547.080.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARKSIDE LENDING
 LLC1\$157,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARTNERS FEDERAL
 CREDIT UNION1\$174,244.290.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES
 STATE BANK1\$173,500.000.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PERL
 MORTGAGE, INC1\$150,920.450.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH
 MORTGAGE
 CORPORATION2\$314,098.271.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM
 MORTGAGE, INC1\$172,043.530.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME
 MORTGAGE INC1\$171,030.440.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPECT
 MORTGAGE, LLC DBA
 CAPWEST1\$162,310.160.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROSPERITY HOME
 MORTGAGE, LLC2\$332,348.991.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RANLIFE,
 INC1\$155,877.000.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA REGENT FINANCIAL
 GROUP INC1\$151,519.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RENASANT
 BANK3\$492,080.351.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROCKY MOUNTAIN
 BANK2\$339,052.211.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT
 MORTGAGE SERVICING
 CORPORATION3\$508,844.701.77%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER
 BANK, N.A.3\$477,191.071.66%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY
 SERVICE FEDERAL CREDIT
 UNION2\$304,299.341.06%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITYNATIONAL
 MORTGAGE COMPANY1\$155,346.430.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI
 MORTGAGE, LLC1\$157,188.050.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH
 STATE BANK3\$480,872.961.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE COAST
 CREDIT UNION1\$158,615.480.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM
 BANK, F.S.B.3\$489,209.481.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS
 LENDING INC1\$169,288.490.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS
 LENDING, LLC1\$169,957.950.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT
 CREDIT UNION1\$152,874.970.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SYNERGY
 ONE LENDING1\$173,271.020.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CAPE COD
 FIVE CENTS
 SAVINGS1\$174,251.860.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TWINSTAR CREDIT
 UNION2\$328,347.791.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA
 BANK2\$319,552.701.11%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK,
 AN OHIO
 CORPORATION7\$1,143,166.553.97%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 FEDERAL CREDIT
 UNION3\$473,657.181.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE
 MORTGAGE3\$465,856.321.62%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSAL 1
 CREDIT UNION1\$166,590.190.58%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVEST
 BANK AND TRUST CO1\$170,000.000.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA USE
 CREDIT UNION1\$173,271.030.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UTAH
 COMMUNITY FEDERAL CREDIT
 UNION1\$169,273.240.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTCONSIN CREDIT

UNION1\$165,411.250.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST
MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO.,
N.A1\$155,394.370.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA Unavailable1\$152,840.060.54%0\$0.00
BEST FINANCIAL
CORPORATION1\$153,634.410.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY
MORTGAGE
CORPORATION4\$712,210.192.03%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ADVANCE
MORTGAGE & INVESTMENT COMPANY,
LLC1\$184,680.510.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AEM LOAN
CORPORATION1\$187,204.350.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO
NATIONAL BANK1\$178,250.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN
FINANCIAL RESOURCES,
INC1\$180,800.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN
NEIGHBORHOOD MORTGAGE
ACCE1\$199,144.980.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOME
MORTGAGE
COMPANY1\$189,378.640.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
MORTGAGE CORPORATION, A GEORGIA
CORPORATION1\$183,221.290.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED
BANK NATIONAL
ASSOCIATION3\$566,200.301.61%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
SPRINGFIELD1\$196,000.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER
BANK1\$200,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BELL
BANK1\$179,224.780.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BOEING EMPLOYEES'
CREDIT UNION1\$194,570.630.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER
SOLUTIONS INC. DBA NEW AMERICAN
FUNDING1\$180,500.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL
FINANCIAL COMPANY, LIMITED
PARTNERSHIP2\$380,000.001.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARROLLTON
BANK1\$180,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF
THE MIDWEST1\$182,050.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL
MINNESOTA CREDIT
UNION1\$194,166.360.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTURY LENDING
COMPANY1\$199,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL
MORTGAGE
CORPORATION3\$559,495.051.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS
BANK, N.A1\$199,153.560.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS FIRST
BANK1\$181,995.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC.
DBA CMG
FINANCIA6\$1,127,983.633.22%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COLUMBIA
CREDIT
UNION1\$199,153.560.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME
LENDING, INC1\$197,063.800.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CU MEMBERS
MORTGAGE, A DIVISION OF COLONIAL SAVINGS,
F.A1\$179,224.960.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DAS ACQUISITION
COMPANY, LLC1\$199,162.100.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DFCU
FINANCIAL2\$393,585.551.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE
COMPANY LTD1\$198,149.250.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DIRECT HOME
LENDING1\$200,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME
MORTGAGE, LLC2\$398,289.891.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE
HOME MORTGAGE, LLC, A FLORIDA LIMITED LIABILITY

COMPANY1\$198,270.320.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELEMENTS
 FINANCIAL FEDERAL CREDIT
 UNION1\$195,313.230.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE,
 LTD1\$194,033.670.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT
 MORTGAGE
 CORPORATION2\$381,019.421.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA LLC1\$187,196.280.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
 AMERICA MORTGAGE
 LLC3\$562,522.131.6%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 BANK1\$179,212.690.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CHOICE LOAN
 SERVICES INC1\$188,356.800.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 COMMUNITY CREDIT
 UNION1\$181,214.060.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK
 OF THE MIDWEST1\$187,212.370.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 FIDELITY BANK1\$190,183.460.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 GEORGIA HOME MORTGAGE, INC. DBA 1ST GEORGIA HOME
 MORTGAGE1\$190,872.170.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
 BANK OF OMAHA3\$589,203.991.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 NATIONAL BANK OF
 PENNSYLVANIA1\$184,806.540.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
 TECHNOLOGY FEDERAL CREDIT
 UNION1\$198,987.500.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK
 AND TRUST
 COMPANY1\$197,870.320.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS
 BANK & TRUST
 COMPANY2\$381,576.641.09%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRANSEN BANK
 &
 TRUST1\$192,000.000.55%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GECU1\$196,985.130.56%0\$0.00NA
 MORTGAGE SERVICES,
 LLC1\$176,250.900.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC.,
 A DELAWARE
 CORPORATION1\$199,136.330.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME
 MORTGAGE OF AMERICA,
 INC1\$181,132.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL
 CORPORATION5\$921,825.732.63%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTEAD
 FUNDING CORP DBA MCGLOM MORTGAGE
 GROUP1\$183,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON
 BANK1\$180,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IH MISSISSIPPI VALLEY
 CREDIT UNION, A
 CORPORATION1\$200,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ILLINOIS
 BANK & TRUST1\$196,800.000.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IOWA
 BANKERS MORTGAGE
 CORPORATION1\$187,000.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA J.G.
 WENTWORTH HOME LENDING, INC. -
 CONV6\$1,141,442.583.26%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL
 ASSOCIATION6\$1,146,331.833.27%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE
 MICHIGAN CREDIT
 UNION1\$195,178.850.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK CREDIT
 UNION3\$574,773.271.64%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LHM FINANCIAL
 CORPORATION DBA CNN
 MORTGAGE1\$182,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGA CAPITAL

BANK1\$187,000.000.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION SAVINGS BANK,
AN OHIO
CORPORATION1\$182,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
WHOLESALE
MORTGAGE9\$1,776,714.615.07%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY
FIRST FEDERAL CREDIT
UNION1\$180,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UW CREDIT
UNION2\$366,410.841.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WASHINGTON TRUST
MORTGAGE COMPANY
LLC1\$200,000.000.57%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEI MORTGAGE,
LLC1\$196,723.590.56%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEST VIRGINIA
HOUSING DEVELOPMENT
FUND1\$179,238.210.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WILSHIRE
BANK1\$190,440.600.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST
MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO.,
N.A.3\$557,849.351.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ZB, N.A. DBA
CALIFORNIA BANK &
TRUST1\$183,431.820.53%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 185\$35,062,894.59100%0\$0**
SECURITY BANK OF
WASHINGTON1\$99,589.480.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ABNB FEDERAL
CREDIT UNION1\$94,546.910.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY
MORTGAGE
CORPORATION3\$293,312.341.4%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED
MORTGAGE GROUP,
INC1\$101,068.380.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN FEDERAL
MORTGAGE
CORPORATION1\$97,846.670.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN
FINANCIAL RESOURCES,
INC1\$88,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIHOM MORTGAGE
COMPANY1\$101,567.600.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE
MORTGAGE
CORPORATION1\$100,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSEMBLIES
OF GOD CREDIT
UNION1\$97,373.230.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSOCIATED
MORTGAGE BANKERS,
INC1\$109,095.390.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE FINANCIAL
GROUP, LLC
ISAOAATIMA1\$96,600.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AXIA
FINANCIAL, LLC, A LIMITED LIABILITY
COMPANY1\$102,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
BOTETOURT1\$90,000.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF
ENGLAND1\$86,250.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE
WEST, A CALIFORNIA STATE BANKING
CORP2\$214,112.971.02%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF WHITTIER,
N.A.1\$104,300.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY
LLC2\$188,189.480.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC.,
DBA NEW AMERICAN
FUNDING1\$97,216.630.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON
MORTGAGE SERVICES,
LLC2\$183,384.420.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL MINNESOTA
CREDIT UNION1\$110,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRIS

FEDERAL CREDIT

UNION2\$200,000.000.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION1\$90,100.000.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS BANK1\$94,012.460.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CLEAR LAKE BANK & TRUST COMPANY1\$89,084.770.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE INC., DBA CMG FINANCIAL2\$191,185.550.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COASTAL CAROLINA NATIONAL BANK2\$184,833.880.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COASTAL FEDERAL CREDIT UNION1\$97,843.450.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMUNITY FIRST BANK OF THE HEARTLAND, ISAOA1\$88,440.050.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY MORTGAGE, INC., A CORPORATION1\$98,091.500.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DEERE EMPLOYEES CREDIT UNION1\$102,500.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT FINANCIAL FEDERAL CREDIT UNION1\$86,800.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE COMPANY, LTD3\$313,383.761.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA E MORTGAGE MANAGEMENT LLC2\$195,194.920.93%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE HOME MORTGAGE OF CALIFORNIA1\$104,568.950.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ELGA CREDIT UNION1\$86,447.500.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE MANAGEMENT LLC5\$483,930.752.31%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY MORTGAGE, LTD2\$198,344.540.94%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EQUITY PRIME MORTGAGE LLC, A LIMITED LIABILITY COMPANY1\$86,500.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ETHOS LENDING LLC1\$97,277.300.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EXCHANGE BANK AND TRUST COMPANY (21240)1\$85,643.340.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY INDEPENDENT MORTGAGE CORPORATION6\$604,477.512.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FEMBI MORTGAGE1\$95,601.870.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIDELITY BANK1\$99,589.480.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF AMERICA LLC2\$205,709.540.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK1\$108,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CALIFORNIA MORTGAGE COMPANY1\$99,589.440.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST CHOICE LOAN SERVICES INC1\$110,000.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK & TRUST1\$104,400.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FEDERAL BANK OF FLORIDA1\$99,593.640.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST MORTGAGE SOLUTIONS, LLC, A LIMITED LIABILITY CORPORATION1\$99,506.190.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF OMAHA8\$780,884.893.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL BANK OF WASECA1\$100,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST STATE BANK OF ST. CHARLES, MO1\$99,336.320.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST UNITED BANK AND TRUST COMPANY2\$185,585.280.88%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST-CITIZENS

BANK & TRUST

COMPANY1\$106,574.020.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLAT BRANCH MORTGAGE, INC., A MISSOURI CORPORATION1\$88,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FLORIDA CREDIT UNION2\$201,300.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FORUM MORTGAGE BANCORP1\$96,099.790.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FRIENDS AND FAMILY CREDIT UNION1\$92,618.210.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE GROUP, LLC, ISAOA/ATIMA1\$108,054.580.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS, LLC1\$94,606.020.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GOLDEN 1 CREDIT UNION1\$103,000.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT NORTH BANK1\$100,800.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GSF MORTGAGE CORPORATION1\$100,091.610.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE, INC., A DELAWARE CORPORATION1\$104,577.670.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HAMILTON MORTGAGE CORPORATION, A CO1\$91,749.800.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION3\$297,464.651.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME SAVINGS BANK1\$87,400.660.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEOWNERS FINANCIAL GROUP USA LLC AN ARIZONA LIMITED LIABILITY COMPANY1\$99,177.630.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESTAR FINANCIAL CORPORATION1\$99,169.260.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A IBERIABANK MORTGAGE2\$191,701.660.91%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION1\$96,589.750.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING LLC1\$87,539.150.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING, LLC1\$108,750.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LEA COUNTY STATE BANK, A STATE BANK1\$105,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LENOX FINANCIAL MORTGAGE CORPORATION DBA WESLEND FINANCIAL1\$86,642.850.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LIBERTY BANK1\$91,493.970.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAIN STREET MORTGAGE COMPANY1\$97,500.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEIJER CREDIT UNION1\$97,569.020.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBERS FIRST CREDIT UNION1\$99,750.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBERS' ADVANTAGE CREDIT UNION1\$87,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MERIDIAN BANK2\$182,646.950.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICAN CREDIT UNION1\$96,402.610.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID MISSOURI BANK, A STATE CHARTERED TRUST COMPANY1\$104,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$96,800.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MILLSTREAM AREA CREDIT UNION1\$109,552.170.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MINNESOTA BANK &

TRUST1\$98,800.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE AMERICA, INC1\$85,100.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE INVESTORS GROUP1\$93,200.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE SOLUTIONS OF COLORADO, LLC1\$94,613.970.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MUFG UNION BANK, N.A1\$89,626.750.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS DIRECT MORTGAGE, LLC2\$189,089.480.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING CORPORATION1\$97,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOIC, INC1\$94,250.000.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTH AMERICAN SAVINGS BANK, FSB1\$101,593.900.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORTHERN STATE BANK1\$91,618.460.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NOVA FINANCIAL & INVESTMENT CORPORATION2\$202,400.000.96%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OLD SECOND NATIONAL BANK1\$87,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONEAZ CREDIT UNION1\$104,419.970.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONY GLO, INC1\$102,144.340.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OPEN MORTGAGE LLC1\$99,601.890.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA OPPORTUNITY BANK OF MONTANA1\$97,991.910.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ORIGIN BANK1\$91,120.530.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION FINANCIAL, LLC, A CALIFORNIA LIMITED2\$207,261.210.99%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY MORTGAGE, LLC6\$608,326.752.9%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PATELCO CREDIT UNION1\$99,593.640.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES HOME EQUITY, INC1\$106,560.740.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE CORPORATION5\$516,798.112.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER BANK, FEDERAL SAVINGS BANK1\$92,215.960.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLATINUM MORTGAGE, INC1\$91,618.460.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PLAZA HOME MORTGAGE INC2\$206,145.630.98%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PORTLAND FEDERAL CREDIT UNION1\$96,000.000.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL MORTGAGE, INC1\$93,623.670.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIME HOME LOANS INC1\$100,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMEWEST MORTGAGE CORPORATION1\$108,000.000.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE FIRST CAPITAL, LLC1\$99,601.890.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RESIDENTIAL MORTGAGE SERVICES, INC1\$103,500.000.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROSS MORTGAGE CORPORATION1\$103,540.630.49%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL UNITED MORTGAGE LLC4\$392,044.661.87%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUOFF MORTGAGE COMPANY, INC. D/B/A RUOFF HOME MORTGAGE1\$98,005.000.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SFMC LP DBA SERVICE FIRST MORTGAGE COMPANY1\$109,543.810.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIERRA PACIFIC MORTGAGE COMPANY, INC1\$100,394.560.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SIOUXLAND FEDERAL CREDIT UNION1\$89,583.390.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING CORP1\$100,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH ATLANTIC

BANK1\$87,500.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTH CAROLINA
 FEDERAL CREDIT
 UNION1\$104,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOUTHERN TRUST
 MORTGAGE, LLC1\$100,000.000.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPACE
 COAST CREDIT UNION1\$105,165.770.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ST. FIN
 CORP1\$106,062.800.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STARK FEDERAL
 CREDIT UNION1\$86,091.480.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS
 LENDING, LLC3\$291,579.831.39%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STOCKTON
 MORTGAGE
 CORPORATION1\$97,199.330.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BRENHAM
 NATIONAL BANK1\$99,169.260.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE CITY
 NATIONAL BANK OF SULPHUR
 SPRINGS1\$100,531.340.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE PARK
 BANK1\$106,000.000.5%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TJC MORTGAGE,
 INC1\$89,638.010.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOP FLITE FINANCIAL INC
 A MICHIGAN
 CORPORATION1\$109,104.530.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOWNE
 MORTGAGE COMPANY DBA AMERICU
 MORTGAGE1\$92,614.310.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA
 BANK1\$100,385.380.48%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIFY FINANCIAL
 FEDERAL CREDIT
 UNION1\$87,000.000.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED FEDERAL
 CREDIT UNION1\$98,792.360.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED
 WHOLESALE
 MORTGAGE12\$1,172,783.065.59%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY
 FEDERAL CREDIT
 UNION1\$109,059.580.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY LENDING
 GROUP, LLC1\$108,054.580.51%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UTAH FIRST
 FEDERAL CREDIT
 UNION1\$92,000.000.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VISION
 BANK1\$88,000.000.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WATERSTONE
 MORTGAGE
 CORPORATION1\$108,750.000.52%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTERN
 MORTGAGE
 CORPORATION1\$95,801.230.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WILLAMETTE
 VALLEY BANK1\$97,195.230.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WOODSIDE
 MORTGAGE
 CORPORATION1\$85,606.900.43%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA**Total 214\$20,990,546.701**
 BEST FINANCIAL
 CORPORATION1\$112,467.430.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ACADEMY
 MORTGAGE
 CORPORATION7\$823,642.062.54%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AFFILIATED
 BANK1\$121,321.840.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIANCE FINANCIAL
 RESOURCES, LLC1\$114,572.710.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLIED
 MORTGAGE GROUP,
 INC2\$236,028.260.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALLY BANK
 CORP1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ALTAONE
 FCU1\$119,522.270.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMARILLO NATIONAL
 BANK1\$118,224.410.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERICAN PACIFIC
 MTG CORP3\$364,009.701.12%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIFIRST
 FINANCIAL

CORPORATION2\$230,500.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERIS BANK2\$240,400.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMERISAVE MORTGAGE CORPORATION3\$351,681.381.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AMRES CORPORATION1\$117,040.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ARK-LA-TEX FINANCIAL SERVICES, LLC DBA BENCHMARK MORTGAGE1\$112,800.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASPIRE FINANCIAL INC DBA TEXASLENDING.COM1\$113,546.150.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ASSURANCE FINANCIAL GROUP, LLC ISAOAATIMA1\$118,275.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA AURGROUP FINANCIAL CREDIT UNION1\$115,021.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANCORPSOUTH BANK1\$111,988.370.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF ENGLAND2\$229,487.000.71%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANK OF THE WEST, A CALIFORNIA STATE BANKING CORP3\$351,189.471.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BANNER BANK1\$115,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BAY EQUITY LLC1\$123,485.740.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BBMC MORTGAGE A DIVISION OF BRIDGEVIEW BANK GROUP1\$120,005.320.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK BANK1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLACKHAWK COMMUNITY CREDIT UNION1\$119,500.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BLOOMBANK1\$120,975.000.37% BANK, NATIONAL ASSOCIATION2\$234,025.400.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC. DBA NEW AMERICAN FUNDING1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA BROKER SOLUTIONS INC., DBA NEW AMERICAN FUNDING1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA C.U. MORTGAGE SERVICES, INC1\$114,352.870.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CALIFORNIA CREDIT UNION1\$115,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARDINAL FINANCIAL COMPANY, LIMITED PARTNERSHIP4\$471,350.001.45%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CARRINGTON MORTGAGE SERVICES, LLC6\$696,027.932.14%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CENTRAL BANK OF THE MIDWEST2\$231,037.840.71%1\$107,760.18NA0\$0.00NA0\$0.00NA0\$0.00NA1\$107,760.18NA0\$0.00NA CHEMICAL BANK1\$112,336.930.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHEMICAL BANK HOLLAND DOWNTOWN1\$109,946.780.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CHURCHILL MORTGAGE CORPORATION2\$237,014.780.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS BANK, NA1\$112,366.970.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITIZENS STATE BANK OF LOYAL1\$112,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CITY STATE BANK1\$114,929.340.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CMG MORTGAGE, INC. DBA CMG FINANCIA2\$237,636.370.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA COMMONWEALTH BANK & TRUST COMPANY1\$119,507.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CONSUMERS CREDIT UNION1\$111,600.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CORNERSTONE HOME

LENDING, INC2\$240,354.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CPF
MORTGAGE1\$122,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CREDIT UNION
WEST1\$113,800.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA CROSSCOUNTRY
MORTGAGE, INC., A
CORPORATION4\$459,627.791.41%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DELMAR
FINANCIAL
COMPANY1\$119,507.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DESERT
FINANCIAL FEDERAL CREDIT
UNION2\$235,250.000.72%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA DHI MORTGAGE
COMPANY, LIMITED
PARTNERSHIP1\$115,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA E LOANS
MORTGAGE, INC1\$118,720.560.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EAGLE
HOME MORTGAGE,
LLC2\$225,256.310.69%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMBRACE HOME LOANS,
INC1\$110,962.950.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EMORTGAGE
MANAGEMENT LLC2\$236,701.620.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ENVOY
MORTGAGE, LTD1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA EVOLVE
BANK & TRUST1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
INDEPENDENT MORTGAGE CORP.-CAPITAL MORTGAGE
FUNDING1\$115,900.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FAIRWAY
INDEPENDENT MORTGAGE
CORPORATION3\$342,606.071.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
AMERICA LLC5\$592,551.061.82%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FINANCE OF
AMERICA MORTGAGE
LLC4\$478,288.071.47%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST BANK & TRUST
DUNCAN1\$117,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST FINANCIAL
BANK, N.A1\$119,522.270.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST GENERAL
CREDIT UNION1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
INTERNET BANK OF
INDIANA1\$114,523.070.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST NATIONAL
BANK OF OMAHA6\$711,800.342.19%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST
UNITED BANK AND TRUST
COMPANY5\$588,564.271.81%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FIRST WESTERN
BANK & TRUST, A
CORPORATION1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FNBA ATTN:
MORTGAGE LENDING
DEPARTMENT1\$121,892.380.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FOUNTAIN
CITY FUNDING,
INC1\$118,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FREMONT
BANK1\$107,198.670.33%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA FULTON BANK,
N.A1\$114,727.080.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GATEWAY MORTGAGE
GROUP, LLC,
ISAOA/ATIMA3\$351,320.221.08%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GEICO
FEDERAL CREDIT
UNION1\$121,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GESA CREDIT
UNION1\$112,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GLASS CITY FEDERAL
CREDIT UNION1\$118,506.490.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GMFS,
LLC2\$236,017.110.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT LAKES CREDIT
UNION1\$112,000.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GREAT WESTERN
FINANCIAL SERVICES
INC1\$122,513.760.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARANTEED RATE,

INC., A DELAWARE

CORPORATION1\$109,632.260.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A, A NATIONAL ASSOCIATION1\$123,257.340.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUARDIAN MORTGAGE, A DIVISION OF SUNFLOWER BANK, N.A. A NATIONAL ASSOCIATION1\$124,481.600.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA GUILD MORTGAGE COMPANY6\$708,347.082.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HALL FINANCIAL GROUP1\$111,544.510.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HANCOCK MORTGAGE PARTNERS, LLC1\$116,512.950.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME FINANCING CENTER, INC1\$122,017.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME POINT FINANCIAL CORPORATION2\$222,274.080.68%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOME SOLUTION LENDERS, INC, A FLORII1\$116,404.170.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMEBRIDGE FINANCIAL SERVICES, INC3\$341,667.921.05%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMESIDE FINANCIAL, LLC1\$119,512.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMETOWN RESIDENTIAL MORTGAGE, LLC1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HOMETRUST MORTGAGE CORPORATION1\$123,290.690.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA HORIZON BANK1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA IBERIABANK D/B/A IBERIABANK MORTGAGE2\$237,374.160.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INTERNATIONAL BANK OF COMMERCE1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA INVESTORS HOME MORTGAGE1\$111,046.920.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA JAMES B. NUTTER & COMPANY4\$475,600.001.46%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KALSEE CREDIT UNION1\$110,600.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KELLOGG COMMUNITY CREDIT UNION1\$118,478.530.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA KEYBANK NATIONAL ASSOCIATION1\$115,873.540.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKE MICHIGAN CREDIT UNION1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING LLC1\$119,512.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LAKEVIEW LOAN SERVICING, LLC2\$218,424.400.67%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA LANDMARK MORTGAGE, LLC1\$117,490.790.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MAGNOLIA BANK, INC1\$115,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEGASTAR FINANCIAL CORP1\$121,500.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEIJER CREDIT UNION1\$113,052.960.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MEMBER HOME LOAN, LLC1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MICHIGAN MUTUAL, INC1\$112,536.110.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MID AMERICA MORTGAGE, INC1\$112,536.110.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MIDFLORIDA CREDIT UNION1\$124,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONROE BANK & TRUST1\$119,405.890.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MONTAGE MORTGAGE, LLC1\$121,565.400.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORIA DEVELOPMENT INC., DBA PEOPLES MORTGAGE2\$240,502.360.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE

CENTER LLC1\$112,138.300.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA MORTGAGE
TEAM 1, INC1\$124,303.160.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS
DIRECT MORTGAGE, LLC DBA MOTIVE
LENDING1\$112,649.220.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NATIONS LENDING
CORPORATION1\$113,150.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NBKC
BANK1\$111,520.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NFM
INC1\$121,504.250.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NICOLET NATIONAL
BANK1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NORWICH
COMMERCIAL GROUP, INC. D/B/A NORCOM
MORTGAGE1\$115,000.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA NVR MORTGAGE
FINANCE, INC1\$118,810.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ONE
WASHINGTON
FINANCIAL1\$120,500.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PACIFIC UNION
FINANCIAL, LLC, A CALIFORNIA
LIMITED2\$226,058.580.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT EQUITY
MORTGAGE,
LLC2\$241,700.000.74%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PARAMOUNT
RESIDENTIAL MORTGAGE GROUP,
INC1\$114,980.250.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES BANK OF
ALABAMA1\$122,303.670.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PEOPLES STATE
BANK1\$114,900.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH MORTGAGE
CORPORATION8\$959,939.762.95%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PHH
MORTGAGE CORPORATION, A
CORPORATION1\$116,992.370.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PIONEER
COMMUNITY BANK1\$114,831.470.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY
RESIDENTIAL MORTGAGE
INC1\$122,947.620.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRIMARY RESIDENTIAL
MORTGAGE, INC2\$237,572.040.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PRINCIPAL
MORTGAGE GROUP
LLC1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA PROVIDENT SAVINGS
BANK, FSB1\$122,362.020.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA R P FUNDING
INC1\$119,494.700.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RABOBANK,
N.A1\$117,510.630.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RELIANCE FIRST
CAPITAL, LLC3\$356,195.711.1%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROBINS
FINANCIAL CREDIT
UNION1\$122,414.030.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROCKY MOUNTAIN
MORTGAGE
COMPANY1\$117,650.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROUNDPOINT
MORTGAGE SERVICING
CORPORATION1\$119,507.370.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA ROYAL
UNITED MORTGAGE
LLC4\$461,548.421.42%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA RUSHMORE LOAN
MANAGEMENT SERVICES
LLC1\$124,492.060.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SANTANDER BANK,
N.A1\$119,013.150.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY BANK OF
PULASKI COUNTY1\$115,125.430.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITY
STATE BANK A
CORPORATION1\$120,986.500.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SECURITYNATIONAL
MORTGAGE
COMPANY1\$124,491.650.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SENTRY
BANK1\$116,000.000.36%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SOFI LENDING

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CORP2\$236,200.000.73%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SPIRE CREDIT UNION1\$124,497.230.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STATE FARM BANK, F.S.B6\$708,852.722.18%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STEARNS LENDING, LLC2\$226,523.070.7%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA STIFEL BANK AND TRUST1\$124,500.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA SUMMIT FUNDING, INC1\$124,481.600.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE BANK OF CARBONDALE1\$120,000.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THE FIRST NATIONAL BANK OF TRENTON1\$112,052.130.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA THOMASVILLE NATIONAL BANK1\$119,522.270.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA TOTAL MORTGAGE SERVICES, LLC1\$119,063.000.37%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UMPQUA BANK3\$372,225.701.15%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNION HOME MORTGAGE CORP., A CORPORATION2\$243,695.630.75%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNITED WHOLESALE MORTGAGE10\$1,185,788.573.65%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY FEDERAL CREDIT UNION1\$125,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA UNIVERSITY LENDING GROUP, LLC1\$124,489.750.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA USLENDING & FINANCE, LTD1\$124,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VALLEY NATIONAL BANK1\$114,468.360.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VANDYK MORTGAGE CORPORATION, A CORPORATION1\$124,492.060.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA VINSON MORTGAGE SERVICES, INC1\$114,400.000.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WEI MORTGAGE, LLC1\$112,680.530.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTSTAR BANK1\$111,750.000.34%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WESTSTAR MORTGAGE CORPORATION DBA CITY MORTGAGE GROUP1\$114,542.170.35%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WINTRUST MORTGAGE, A DIVISION OF BARRINGTON BANK AND TRUST CO., N.A1\$123,000.000.38%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA WR STARKEY MORTGAGE, LLP NMLS# 21461\$113,083.290.44%0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA0\$0.00NA **Total 276\$32,489,769.10100%1\$107**