#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

#### FORM 10-Q

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

For the Quarterly period ended March 31, 2010

OR

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

Commission file number 0-24047

#### GLEN BURNIE BANCORP

(Exact name of registrant as specified in its charter)

Maryland (State or other jurisdiction of incorporation or organization)

101 Crain Highway, S.E. Glen Burnie, Maryland (Address of principal executive offices)

Registrant's telephone number, including area code: (410) 766-3300

Inapplicable

(Former name, former address and former fiscal year if changed from last report.)

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 x No "

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, 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 the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a

52-1782444 (I.R.S. Employer Identification No.)

21061 (Zip Code)

smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. Large accelerated filer " Accelerated filer " Non-Accelerated Filer " Smaller Reporting Company x

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

At April 14, 2010, the number of shares outstanding of the registrant's common stock was 2,687,190

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#### PART I - FINANCIAL INFORMATION

#### ITEM 1.

### CONSOLIDATED FINANCIAL STATEMENTS

#### GLEN BURNIE BANCORP AND SUBSIDIARIES CONDENSED CONSOLIDATED BALANCE SHEETS (Dollars in Thousands)

ASSETS	farch 31, 2010 naudited)	December 31, 2009 (audited)		
Cash and due from banks	\$ 7,398	\$ 6,994		
Interest-bearing deposits in other financial institutions	10,190	3,748		
Federal funds sold	3,705	692		
Cash and cash equivalents	21,293	11,434		
Investment securities available for sale, at fair value	85,716	84,463		
Federal Home Loan Bank stock, at cost	1,858	1,858		
Maryland Financial Bank stock, at cost	100	100		
Common Stock in the Glen Burnie Statutory Trust I	155	155		
Loans, less allowance for credit losses				
(March 31: \$3,495; December 31: \$3,573)	234,338	235,883		
Premises and equipment, at cost, less accumulated depreciation	4,084	4,121		
Other real estate owned	322	25		
Cash value of life insurance	7,770	7,703		
Other assets	7,114	7,655		
Total assets	\$ 362,750	\$ 353,397		
LIABILITIES AND STOCKHOLDERS' EQUITY				
Liabilities:				
Deposits	\$ 303,397	\$ 294,358		
Short-term borrowings	84	81		
Long-term borrowings	27,024	27,034		
Junior subordinated debentures owed to unconsolidated subsidiary trust	5,155	5,155		
Other liabilities	1,415	1,620		
Total liabilities	337,075	328,248		
Commitments and contingencies				
Stockholders' equity:				
Common stock, par value \$1, authorized 15,000,000 shares;				
issued and outstanding: March 31: 2,687,190 shares;				
December 31: 2,683,015 shares	2,687	2,683		
Surplus	9,228	9,191		
Retained earnings	14,442	14,311		
Accumulated other comprehensive loss, net of tax benefits	(682)	(1,036)		

Total stockholders' equity		25,675		25,149
	¢	262 750	Φ	252 207
Total liabilities and stockholders' equity	\$	362,750	\$	353,397

See accompanying notes to condensed consolidated financial statements.

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#### GLEN BURNIE BANCORP AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF INCOME (Dollars in Thousands, Except Per Share Amounts) (Unaudited)

20102009Interest income on:Interest income on:Loans, including fees\$ 3,709S. Treasury and U.S. Government agency securities480373State and municipal securities321State and municipal securities321Other626462Total interest income4,572Interest expense on:997Deposits9971,269Short-term borrowings261260262Junior subordinated debentures2201377otal interest expense1,4781,668Net interest income3,0942,8652,794Provision for credit losses2,7942,715Other income:
Loans, including fees\$ 3,709\$ 3,766U.S. Treasury and U.S. Government agency securities480373State and municipal securities321330Other6264Total interest income4,5724,533Interest expense on:9971,269Short-term borrowingsLong-term borrowings261262Junior subordinated debentures220137Total interest income1,4781,668Net interest income3,0942,865Provision for credit losses2,7942,715
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Provision for credit losses300150Net interest income after provision for credit losses2,7942,715
Net interest income after provision for credit losses 2,794 2,715
Net interest income after provision for credit losses 2,794 2,715
Other income:
Service charges on deposit accounts 161 170
Other fees and commissions 187 179
Other non-interest income 3 (1)
Income on life insurance 67 68
Gains on investment securities - (2)
Total other income418414
Other expenses:
Salaries and employee benefits1,6951,532
Occupancy 223 232
Impairment of securities - 30
Other expenses 843 825
Total other expenses2,7612,619
Income before income taxes 451 510
Income tax expense 52 55
Net income \$ 399 \$ 455
Basic and diluted earnings per share of common stock\$0.15\$0.16

Weighted average shares of common stock outstanding	2,0	583,244	2,	918,679
Dividends declared per share of common stock	\$	0.10	\$	0.10

See accompanying notes to condensed consolidated financial statements.

#### GLEN BURNIE BANCORP AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS) (Dollars in Thousands) (Unaudited)

		Three Mor Marc				
	2010 2					
Net income	\$	399	\$	455		
Other comprehensive income (loss), net of tax						
Unrealized gains (losses) securities:						
Unrealized holding gains (losses) arising during the period		354		(466)		
Reclassification adjustment for losses (gains) included in net income		-		1		
Comprehensive income (loss)	\$	753	\$	(10)		

See accompanying notes to condensed consolidated financial statements.

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#### GLEN BURNIE BANCORP AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Dollars in Thousands) (Unaudited)

	ee Months E 2010	nded	March 31, 2009
Cash flows from operating activities:			
Net income	\$ 399	\$	455
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation, amortization, and accretion	219		110
Provision for credit losses	300		150
Gains on disposals of assets, net	-		4
Impairment of securities	-		30
Income on investment in life insurance	(67)		(68)
Changes in assets and liabilities:			
Decrease in other assets	291		424
Increase in other liabilities	(202)		(442)
Net cash provided by operating activities	940		663
Cash flows from investing activities:			
Maturities of available for sale mortgage-backed securities	3,087		635
Proceeds from maturities and sales of other investment securities	1,250		1,498
Purchases of investment securities	(5,114)		(13,293)
Purchases of Federal Home Loan Bank stock	-		(45)
Purchases of other real estate	(297)		-
Decrease (increase) in loans, net	1,245		(2,765)
Purchases of premises and equipment	(54)		(323)
Net cash provided (used) by investing activities	117		(14,293)
Cash flows from financing activities:			
Increase in deposits, net	9,039		17,665
Increase (decrease) in short-term borrowings, net	3		(450)
Repayment of long-term borrowings	(10)		(10)
Repurchase and retirement of common stock	-		(2,769)
Dividends paid	(271)		(431)
Common stock dividends reinvested	41		45
Net cash provided by financing activities	8,802		14,050
Increase in cash and cash equivalents	9,859		420
Cash and cash equivalents, beginning of year	11,434		21,238
Cash and cash equivalents, end of period	\$ 21,293	\$	21,658

See accompanying notes to condensed consolidated financial statements.

#### GLEN BURNIE BANCORP AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Unaudited)

#### NOTE 1 - BASIS OF PRESENTATION

The accompanying condensed balance sheet as of December 31, 2009, which has been derived from audited financial statements, and the unaudited interim consolidated financial statements were prepared in accordance with instructions for Form 10-Q and Article 10 of Regulation S-X and, therefore, do not include all information and notes necessary for a complete presentation of financial position, results of operations, changes in stockholders' equity, and cash flows in conformity with accounting principles generally accepted in the United States of America. However, all adjustments (consisting only of normal recurring accruals) which, in the opinion of management, are necessary for a fair presentation of the unaudited consolidated financial statements have been included in the results of operations for the three months ended March 31, 2010 and 2009.

Operating results for the three months ended March 31, 2010 is not necessarily indicative of the results that may be expected for the year ending December 31, 2010.

#### NOTE 2 - EARNINGS PER SHARE

Basic earnings per share of common stock are computed by dividing net earnings by the weighted average number of common shares outstanding during the period. Diluted earnings per share are calculated by including the average dilutive common stock equivalents outstanding during the periods. Dilutive common equivalent shares consist of stock options, calculated using the treasury stock method.

	Three Mor	ths Ended
	Marc	h 31,
	2010	2009
Basic and diluted:		
Net income	\$ 399,000	\$ 455,000
Weighted average common shares outstanding	2,683,244	2,918,679
Basic and dilutive net income per share	\$ 0.15	\$ 0.16

Diluted earnings per share calculations were not required for the three months ended March 31, 2010 and 2009, since there were no options outstanding.

#### NOTE 3 - REPURCHASE AND RETIREMENT OF COMMON STOCK

In February 2008, the Company instituted a Stock Repurchase Program. Under the program, as extended and increased, the Company was authorized to spend up to \$4,127,309 to repurchase shares of its outstanding common stock. The repurchases may be made from time to time at a price not to exceed \$12.50 per share.

During the three month period ended March 31, 2009, the Company repurchased 297,679 shares at an average price of \$9.30 for a total of \$2,769,067. During the three month period ended March 31, 2010, the Company did not repurchase any shares.

#### NOTE 4 - RECENT ACCOUNTING PRONOUNCEMENTS

In January 2010, the FASB issued ASU No. 2010-06- Fair Value Measurements and Disclosures amending Topic 820. The ASU provides for additional disclosures of transfers between assets and liabilities valued under Level 1 and 2

inputs as well as additional disclosures regarding those assets and liabilities valued under Level 3 inputs. The new disclosures are effective for interim and annual reporting periods beginning after December 15, 2009 except for those provisions addressing Level 3 fair value measurements which provisions are effective for fiscal years, and periods therein, beginning after December 15, 2010. The adoption of this Statement did not have a material impact on the Company's consolidated financial statements.

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In March 2010, the FASB issued ASU No. 2010-09 amending FASB ASC Topic 855 to exclude SEC reporting entities from the requirement to disclose the date on which subsequent events have been evaluated. It further modifies the requirement to disclose the date on which subsequent events have been evaluated in reissued financial statements to apply only to such statements that have been restated to correct an error or to apply U.S. GAAP retrospectively. The Company has complied with ASU No. 2010-09.

### NOTE 5 – FAIR VALUE

ASC 820-10, formerly SFAS No. 157, defines fair value, establishes a framework for measuring fair value and expands disclosure of fair value measurements.

Fair Value Hierarchy

ASC 820-10 specifies a hierarchy of valuation techniques based on whether the inputs to those valuation techniques are observable or unobservable. In accordance with ASC 820-10, these inputs are summarized in the three broad levels listed below:

o Level 1 – Quoted prices in active markets for identical securities

o Level 2 – Other significant observable inputs (including quoted prices in active markets for similar securities)

o Level 3 – Significant unobservable inputs (including the Company's own assumptions in determining the fair value of investments)

In determining the appropriate levels, the Company performs a detailed analysis of the assets and liabilities that are subject to ASC 820-10.

The following table presents fair value measurements as of March 31, 2010:

	Lev	vel 1	Ι	Level 2 (in the	L ousands	evel 3	Total
Recurring:							
Investment securities available for sale	\$	-	\$	85,716	\$	-	\$ 85,716
Non-recurring:							
Impaired loans		-		-		8,927	8,927
OREO		-		322		-	322
	\$	-	\$	86,038	\$	8,927	\$ 94,965

The estimated fair values of the Company's financial instruments at March 31, 2010 and December 31, 2009 are summarized below. The fair values of a significant portion of these financial instruments are estimates derived using present value techniques and may not be indicative of the net realizable or liquidation values. Also, the calculation of estimated fair values is based on market conditions at a specific point in time and may not reflect current or future fair values.

		March	31, 20	10	December 31, 2009				
	С	arrying		Fair	(	Carrying		Fair	
(In thousands)	А	mount	Value		Amount			Value	
Financial assets:									
Cash and due from banks	\$	7,398	\$	7,398	\$	6,994	\$	6,994	
Interest bearing deposits		10,190		10,190		3,748		3,748	
Federal funds sold		3,705		3,705		692		692	
Investment securities		85,716		85,716		84,463		84,463	
Investments in restricted stock		2,113		2,113		2,113		2,113	
Ground Rents		182		182		185		185	
Loans, net		234,338		238,658		235,883		239,915	
Accrued interest receivable		1,488		1,488		1,627		1,627	
Financial liabilities:									
Deposits		303,397		275,564		294,358		267,358	
Short-term borrowings		84		84		81		81	
Long-term borrowings		27,024		26,326		27,034		25,979	
Dividends payable		227		227		230		230	
Accrued interest payable		99		99		113		113	
Accrued interest payable on junior									
subordinated debentures		118		118		172		172	
Junior subordinated debentures owed to									
unconsolidated subsidiary trust		5,155		6,060		5,155		5,708	
Off-balance sheet commitments		24,510		24,510		22,049		22,049	

Fair values are based on quoted market prices for similar instruments or estimated using discounted cash flows. The discounts used are estimated using comparable market rates for similar types of instruments adjusted to be commensurate with the credit risk, overhead costs and optionality of such instruments.

The fair value of cash and due from banks, federal funds sold, investments in restricted stocks and accrued interest receivable are equal to the carrying amounts. The fair values of investment securities are determined using market quotations. The fair value of loans receivable is estimated using discounted cash flow analysis.

The fair value of non-interest bearing deposits, interest-bearing checking, savings, and money market deposit accounts, securities sold under agreements to repurchase, and accrued interest payable are equal to the carrying amounts. The fair value of fixed-maturity time deposits is estimated using discounted cash flow analysis.

The gross unrealized losses and fair value, aggregated by investment category and length of time that individual securities have been in a continuous unrealized loss position, at March 31, 2010 are as follows:

Securities available for sale:

(in thousands)	Le	ss than	12 n	nonths	12 mo	onth	s or	more		То	tal	
		air lue	Uı	nrealized Loss	Fair Value		U	nrealized Loss	Fair Value		Uı	realized Loss
Obligations of U.S. Gov't Agencies	\$	100	\$	80	\$	0	\$	C	\$ 1(	)()	\$	80

State and Municipal	6,027	207	3,654	505	9,681	712
Corporate Trust Preferred	0	0	78	1,045	78	1,045
Mortgage Backed	19,157	279	1,154	33	20,311	312
	\$ 25,284	\$ 566	\$ 4,886	\$ 1,583	\$ 30,170	\$ 2,149

At March 31, 2010, the Company owned one pooled trust preferred security issued by Regional Diversified Funding, Senior Notes with a Fitch rating of C. The market for these securities at March 31, 2010 was not active and markets for similar securities were also not active. As a result, the Company had cash flow testing performed as of March 31, 2010 by an unrelated third party in order to measure the possible extent of other-than-temporary-impairment ("OTTI"). This testing assumed a 15% recovery with a two year lag on two of the previously defaulting financial institutions, with future defaults on the currently performing financial institutions of 150 basis points applied annually with no future recovery. This testing resulted in a net present value of \$1,150,642, compared to the book value of \$1,127,965.

Declines in the fair value of held to maturity and available for sale securities below their cost that are deemed to be other than temporary are reflected in earnings as realized losses. In estimating other-than-temporary-impairment losses, management considers, among other things, (i) the length of time and the extent to which the fair value has been less than cost, (ii) the financial condition and near-term prospects of the issuer, and (iii) the intent and ability of the Company to retain it's investment in the issuer for a period of time sufficient to allow for any anticipated recovery in fair value.

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As of March 31, 2010, management had the ability and intent to hold the securities classified as available for sale for a period of time sufficient for a recovery of cost. On March 31, 2010 the Bank held 14 investment securities having continuous unrealized loss positions for more than 12 months. Management has determined that all unrealized losses are either due to increases in market interest rates over the yields available at the time the underlying securities were purchased, current call features that are nearing, and the effect the sub-prime market has had on all mortgage-backed securities. The Bank has no mortgage-backed securities collateralized by sub-prime mortgages. The fair value is expected to recover as the bonds approach their maturity date or repricing date or if market yields for such investments decline. Management does not believe any of the securities are impaired due to reasons of credit quality. Accordingly, as of March 31, 2010, management believes the impairments detailed in the table above are temporary and no impairment loss has been realized in the Company's consolidated income statement.

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# ITEM 2.MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

#### Forward-Looking Statements

When used in this discussion and elsewhere in this Form 10-Q, the words or phrases "will likely result," "are expected to," "will continue," "is anticipated," "estimate," "project" or similar expressions are intended to identify "forward-lookin statements" within the meaning of the Private Securities Litigation Reform Act of 1995. The Company cautions readers not to place undue reliance on any such forward-looking statements, which speak only as of the date made, and readers are advised that various factors could affect the Company's financial performance and could cause the Company's actual results for future periods to differ materially from those anticipated or projected. While it is impossible to identify all such factors, such factors include, but are not limited to, those risks identified in the Company's periodic reports filed with the Securities and Exchange Commission, including its most recent Annual Report on Form 10-K.

The Company does not undertake and specifically disclaims any obligation to update any forward-looking statements to reflect occurrence of anticipated or unanticipated events or circumstances after the date of such statements.

#### Overview

Glen Burnie Bancorp, a Maryland corporation (the "Company"), and its subsidiaries, The Bank of Glen Burnie (the "Bank") and GBB Properties, Inc., both Maryland corporations, and Glen Burnie Statutory Trust I, a Connecticut business trust, had consolidated net income of \$399,000 (\$0.15 basic and diluted earnings per share) for the first quarter of 2010, compared to the first quarter 2009 consolidated net income of \$455,000 (\$0.16 basic and diluted income per share), a 12.31% decrease. The decrease in earnings is primarily due to three areas of increased expense. First, the Bank increased its provision for credit losses for the current year. Second, the Company has started accruing for the \$250,000 early repayment premium expense related to the planned September 7, 2010 repayment of the \$5,155,000 in outstanding Trust Preferred Securities. Finally, salaries and employee benefits increased in the 2010 period as compared to the 2009 period. The decrease in earnings for the 2010 period as compared to the 2009 period. The decrease in earnings for the 2010 period as compared to the 2009 period. The decrease in earnings for the 2010 period as compared to the 2009 period. The decrease in earnings for the 2010 period as compared to the 2009 period. The decrease in earnings for the 2010 period as compared to the 2009 period.

The current economic environment continues to have a negative impact on the Bank in several areas. Overall, deposits have continued to increase as investors have continued to seek safe havens for their investments. In addition, both interest rates paid on deposits and rates of interest earned by the Bank on loans and other earning assets have declined, with the rates paid on deposits declining at a faster rate resulting in an improvement in the net interest margin.

#### **Results Of Operations**

Net Interest Income. The Company's consolidated net interest income prior to provision for credit losses for the three months ended March 31, 2010 was \$3,094,000 compared to \$2,865,000 for the same period in 2009, an increase of \$229,000 (7.99%) for the three months.

Interest income for the first quarter increased from \$4,533,000 in 2009 to \$4,572,000 in 2010, a 0.86% increase. The interest income increase for the three month period was due to an increase in interest income on U.S. Government agency securities, partially offset by a decrease in interest income on municipal securities and loan income.

Interest expense for the quarter decreased from \$1,668,000 in 2009 to \$1,478,000 in 2010, an 11.39% decrease. The decrease in interest expense for the three month period ended March 31, 2010 was due to a decrease in interest paid on deposit balances, and was partially offset by an increase in the expense for the junior subordinated debentures reflecting the accrual of the 5% premium which will be due upon early repayment in September 2010 of \$5,155,000 in outstanding Trust Preferred Securities.

Net interest margins for the three months ended March 31, 2010 was 4.06%, compared to tax equivalent net interest margins of 4.04% for the three months ended March 31, 2009. This increase is due to the widening of the gap between the interest rates offered by the Bank on increasing customer deposits and the rates the Bank is able to obtain on loans and other interest earning assets and the additional interest expense being accrued as the Company prepares to repay the Trust Preferred Securities together with an early repayment premium on September 7, 2010.

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Provision for Credit Losses. The Company made a provision for credit losses of \$300,000 during the three month period ended March 31, 2010 and \$150,000 for credit losses during the three month period ended March 31, 2009. As of March 31, 2010, the allowance for credit losses equaled 78.21% of non-accrual and past due loans compared to 117.61% at December 31, 2009 and 180.05% at March 31, 2009. During the three month period ended March 31, 2010, the Company recorded net charge-offs of \$378,000, compared to net charge-offs of \$195,000 during the corresponding period of the prior year. On an annualized basis, net charge-offs for the 2010 period represent 0.64% of the average loan portfolio.

Other Income. Other income increased from \$414,000 for the three month period ended March 31, 2009, to \$418,000 for the corresponding 2010 period, a \$4,000 (0.97%) increase.

Other Expenses. Other expenses increased from \$2,619,000 for the three month period ended March 31, 2009, to \$2,761,000 for the corresponding 2010 period, a \$142,000 (5.42%) increase. The increase for the three month period was primarily due to an increase in salaries and other employee benefits. This increase was partially offset by the absence of the write-down of securities taken in the first quarter of 2009 which was not repeated in the first quarter of 2010.

Income Taxes. During the three months ended March 31, 2010, the Company recorded income tax expense of \$52,000, compared to income tax expense of \$55,000 for the same period in 2009. The Company's effective tax rate for the three month period in 2010 was 11.52%, respectively, compared to 10.78% for the prior year period. The increase in the effective tax rate for the three month period was due to a decline in the proportion of tax exempt income.

Comprehensive Income (Loss). In accordance with regulatory requirements, the Company reports comprehensive income (loss) in its financial statements. Comprehensive income (loss) consists of the Company's net income, adjusted for unrealized gains and losses on the Bank's investment portfolio of investment securities. For the first quarter of 2010, comprehensive income, net of tax, totaled \$753,000, compared to the March 31, 2009 comprehensive loss of \$10,000. The increase for the three month period was due primarily to the decreases in net unrealized losses on securities over the three months ended March 31, 2010.

#### **Financial Condition**

General. The Company's assets increased to \$362,750,000 at March 31, 2010 from \$353,397,000 at December 31, 2009, primarily due to an increase in cash and cash equivalents and securities, offset partially by a decrease in loans. The Bank's net loans totaled \$234,338,000 at March 31, 2010, compared to \$235,883,000 at December 31, 2009, a decrease of \$1,545,000 (0.65%), primarily attributable to decreases in indirect loans (primarily auto loans), partially offset by an increase in commercial mortgage loans and secured home equity loans.

The Company's total investment securities portfolio (investment securities available for sale) totaled \$85,716,000 at March 31, 2010, a \$1,253,000 (1.48%) increase from \$84,463,000 at December 31, 2009. This increase was funded by the increase in deposits received during the three month period. The Bank's cash and due from banks (cash due from banks, interest-bearing deposits in other financial institutions, and federal funds sold), as of March 31, 2010, totaled \$21,293,000, an increase of \$9,859,000 (86.23%) from the December 31, 2009 total of \$11,434,000. This increase comes from the growth in deposits.

Deposits as of March 31, 2010 totaled \$303,397,000, which is an increase of \$9,039,000 (3.07%) from \$294,358,000 at December 31, 2009. Demand deposits as of March 31, 2010 totaled \$71,600,000, which is an increase of \$3,792,000 (5.59%) from \$67,808,000 at December 31, 2009. NOW accounts as of March 31, 2010 totaled \$25,999,000, which is an increase of \$3,646,000 (16.32%) from \$22,353,000 at December 31, 2009. Money market

accounts as of March 31, 2010 totaled \$17,648,000, which is an increase of \$2,364,000 (15.47%), from \$15,284,000 at December 31, 2009. Savings deposits as of March 31, 2010 totaled \$51,309,000, which is an increase of \$2,931,000 (6.06%) from \$48,378,000 at December 31, 2009. Certificates of deposit over \$100,000 totaled \$29,978,000 on March 31, 2010, which is a decrease of \$1,599,000 (5.07%) from \$31,577,000 at December 31, 2009. Other time deposits (made up of certificates of deposit less than \$100,000 and individual retirement accounts) totaled \$106,863,000 on March 31, 2010, which is a \$2,095,000 (1.93%) decrease from the \$108,958,000 total at December 31, 2009. Management continues to believe that the growth in deposits was due in part to the ongoing instability in the stock market and the resulting reallocation of investment portfolios by the Bank's customers.

Asset Quality. The following table sets forth the amount of the Bank's restructured loans, non-accrual loans and accruing loans 90 days or more past due at the dates indicated.

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	farch 31, 2010 (Dollars in	At December 31, 2009 Thousands)		
Restructured loans	\$ -	\$	87	
Non-accrual loans:				
Real-estate - mortgage:				
Residential	\$ 215	\$	215	
Commercial	2,422		2,626	
Real-estate - construction	-		-	
Installment	129		176	
Home Equity	-		-	
Commercial	20		-	
Total non-accrual loans	2,786		3,017	
Accruing loans past due 90 days or more:				
Real-estate - mortgage:				
Residential	2		8	
Commercial	371		-	
Real-estate - construction	-		-	
Installment	35		1	
Credit card and related	-		-	
Commercial	1,275		12	
Other	-		-	
Total accruing loans past due 90 days or more	1,683		21	
Total non-accrual loans and past due loans	\$ 4,469	\$	3,038	
Non-accrual and past due loans to gross loans	1.88%		1.26%	
Allowance for credit losses to non-accrual and past due loans	78.21%		117.61%	

At March 31, 2010, there was \$6,470,000 in loans outstanding, other than those reflected in the above table, as to which known information about possible credit problems of borrowers caused management to have serious doubts as to the ability of such borrowers to comply with present loan repayment terms. Such loans consist of loans which were not 90 days or more past due but where the borrower is in bankruptcy or has a history of delinquency, or the loan to value ratio is considered excessive due to deterioration of the collateral or other factors. Reflected in the above table are \$0 of prior period troubled debt restructurings that are now not performing under the terms of their modified agreements.

Allowance For Credit Losses. The allowance for credit losses is established through a provision for credit losses charged to expense. Loans are charged against the allowance for credit losses when management believes that the collectability of the principal is unlikely. The allowance, based on evaluations of the collectability of loans and prior loan loss experience, is an amount that management believes will be adequate to absorb possible losses on existing loans that may become uncollectible. The evaluations are performed for each class of loans and take into consideration such factors as changes in the nature and volume of the loan portfolio, overall portfolio quality, review

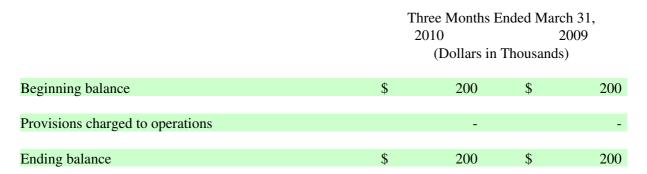
of specific problem loans, value of collateral securing the loans and current economic conditions and trends that may affect the borrowers' ability to pay. For example, delinquencies in unsecured loans and indirect automobile installment loans will be reserved for at significantly higher ratios than loans secured by real estate. Based on that analysis, the Bank deems its allowance for credit losses in proportion to the total non-accrual loans and past due loans to be sufficient.

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Transactions in the allowance for credit losses for the three months ended March 31, 2010 and 2009 were as follows:

	Three Months Ended March 31, 2010 2009 (Dollars in Thousands)				
Beginning balance	\$ 3,573	\$	2,022		
Charge-offs Recoveries	(505) 127		(268) 73		
Net charge-offs	(378)		(195)		
Provisions charged to operations	300		150		
Ending balance	\$ 3,495	\$	1,977		
Average loans	\$ 234,725	\$	235,942		
Net charge-offs to average loans (annualized)	0.64%		0.33%		

Reserve for Unfunded Commitments. As of March 31, 2010, the Bank had outstanding commitments totaling \$24,510,000. These outstanding commitments consisted of letters of credit, undrawn lines of credit, and other loan commitments. The following table shows the Bank's reserve for unfunded commitments arising from these transactions:



Contractual Obligations and Commitments. No material changes, outside the normal course of business, have been made during the first quarter of 2010.

### MARKET RISK AND INTEREST RATE SENSITIVITY

Market risk is the risk of loss arising from adverse changes in the fair value of financial instruments due to changes in interest rates, exchange rates or equity pricing. The Company's principal market risk is interest rate risk that arises from its lending, investing and deposit taking activities. The Company's profitability is dependent on the Bank's net interest income. Interest rate risk can significantly affect net interest income to the degree that interest bearing liabilities mature or reprice at different intervals than interest earning assets. The Bank's Asset/Liability and Risk Management Committee oversees the management of interest rate risk. The primary purpose of the committee is to manage the exposure of net interest margins to unexpected changes due to interest rate fluctuations. The Company does not utilize derivative financial or commodity instruments or hedging strategies in its management of interest rate risk. The primary tool used by the committee to monitor interest rate risk is a "gap" report which measures the dollar difference between the amount of interest bearing assets and interest bearing liabilities subject to repricing within a

given time period. These efforts affect the loan pricing and deposit rate policies of the Company as well as the asset mix, volume guidelines, and liquidity and capital planning.

The following table sets forth the Company's interest-rate sensitivity at March 31, 2010.

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						Over 1		_		
	0 /			Over 3 to		Through		Over		TT ( 1
	0	3 Months	1	2 Months		5 Years in Thousand		5 Years		Total
Assets:				(Do)	nars	s in Thousand	s)			
Cash and due from banks	\$	-	\$	-	\$	_	\$	_	\$	7,398
Federal funds and overnight deposits	Ψ	13,895	Ψ	_	Ψ	_	Ψ	_	Ψ	13,895
Securities		15,055		501		1,845		83,220		85,716
Loans		13,637		10,342		83,858		126,501		234,338
Fixed assets						-				4,084
Other assets		-		-		-		-		17,319
Total assets	\$	27,682	\$	10,843	\$	85,703	\$	209,721	\$	362,750
Liabilities:										
Demand deposit accounts	\$	-	\$	-	\$	-	\$	-	\$	71,600
NOW accounts		25,999		-		-		-		25,999
Money market deposit accounts		17,648		-		-		-		17,648
Savings accounts		51,309		-		-		-		51,309
IRA accounts		4,560		10,259		23,546		705		39,070
Certificates of deposit		16,815		48,145		32,344		467		97,771
Short-term borrowings		84		-		-		-		84
Long-term borrowings		10		7,014		-		20,000		27,024
Other liabilities		-		-		-		-		1,415
Junior subordinated debenture		-		5,155		-		-		5,155
Stockholders' equity:		-		-		-		-		25,675
Total liabilities and										
stockholders' equity	\$	116,425	\$	70,573	\$	55,890	\$	21,172	\$	362,750
GAP	\$	(88,743)	\$	(59,730)	\$	29,813	\$	188,549		
Cumulative GAP	\$	(88,743)	\$	(148,473)	\$	(118,660)	\$	69,889		
Cumulative GAP as a % of total										
assets		-24.46%		-40.93%		-32.71%		19.27%		

The foregoing analysis assumes that the Company's assets and liabilities move with rates at their earliest repricing opportunities based on final maturity. Mortgage backed securities are assumed to mature during the period in which they are estimated to prepay and it is assumed that loans and other securities are not called prior to maturity. Certificates of deposit and IRA accounts are presumed to reprice at maturity. NOW savings accounts are assumed to reprice at within three months although it is the Company's experience that such accounts may be less sensitive to changes in market rates.

In addition to GAP analysis, the Bank utilizes a simulation model to quantify the effect a hypothetical immediate plus or minus 200 basis point change in rates would have on net interest income and the economic value of equity. The model takes into consideration the effect of call features of investments as well as prepayments of loans in periods of declining rates. When actual changes in interest rates occur, the changes in interest earning assets and interest bearing liabilities may differ from the assumptions used in the model. As of March 31, 2010, the model produced the following sensitivity profile for net interest income and the economic value of equity.

	Immediate Change in Rates			
	-200	-100	+100	+200
	<b>Basis Points</b>	<b>Basis Points</b>	<b>Basis Points</b>	<b>Basis Points</b>
% Change in Net Interest Income	-7.0%	-3.9%	2.7%	2.0%
% Change in Economic Value of Equity	-19.6%	-10.4%	1.6%	-8.0%
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#### LIQUIDITY AND CAPITAL RESOURCES

The Company currently has no business other than that of the Bank and does not currently have any material funding commitments. The Company's principal sources of liquidity are cash on hand and dividends received from the Bank. The Bank is subject to various regulatory restrictions on the payment of dividends.

The Bank's principal sources of funds for investments and operations are net income, deposits from its primary market area, principal and interest payments on loans, interest received on investment securities and proceeds from maturing investment securities. Its principal funding commitments are for the origination or purchase of loans and the payment of maturing deposits. Deposits are considered a primary source of funds supporting the Bank's lending and investment activities.

The Bank's most liquid assets are cash and cash equivalents, which are cash on hand, amounts due from financial institutions, federal funds sold, certificates of deposit with other financial institutions that have an original maturity of three months or less and money market mutual funds. The levels of such assets are dependent on the Bank's operating, financing and investment activities at any given time. The variations in levels of cash and cash equivalents are influenced by deposit flows and anticipated future deposit flows. The Bank's cash and cash equivalents (cash due from banks, interest-bearing deposits in other financial institutions, and federal funds sold), as of March 31, 2010, totaled \$21,293,000, an increase of \$9,859,000 (86.23%) from the December 31, 2009 total of \$11,434,000.

As of March 31, 2010, the Bank was permitted to draw on a \$70,690,000 line of credit from the FHLB of Atlanta. Borrowings under the line are secured by a floating lien on the Bank's residential mortgage loans. As of March 31, 2010, there were \$27.0 million in long-term convertible advances outstanding with various monthly and quarterly call features and with final maturities ranging from November 2017 through August 2018. In addition, the Bank has one unsecured federal funds line of credit in the amount of \$9.0 million from a commercial bank, of which nothing was outstanding as of March 31, 2010. Furthermore, as of March 31, 2010, the Company had outstanding \$5,155,000 of its 10.6% Junior Subordinated Deferrable Interest Debentures issued to Glen Burnie Statutory Trust I, a Connecticut statutory trust subsidiary of the Company.

The Company's stockholders' equity increased \$526,000 (2.09%) during the three months ended March 31, 2010, due mainly to a decrease in other comprehensive loss, net of tax benefits, with a lesser increase in retained earnings. The Company's accumulated other comprehensive loss, net of tax benefits decreased by \$354,000 (34.17%) from (\$1,036,000) at December 31, 2009 to (\$682,000) at March 31, 2010, as a result of an increase in the market value of securities classified as available for sale. Retained earnings increased by \$131,000 (0.92%) as the result of the Company's net income for the three months, partially offset by dividends. Common stock and surplus increased due to dividend reinvestment during the three months of 2010. In addition, \$41,106 was transferred within stockholders' equity in consideration for shares to be issued under the Company's dividend reinvestment plan in lieu of cash dividends.

The Federal Reserve Board and the FDIC have established guidelines with respect to the maintenance of appropriate levels of capital by bank holding companies and state non-member banks, respectively. The regulations impose two sets of capital adequacy requirements: minimum leverage rules, which require bank holding companies and banks to maintain a specified minimum ratio of capital to total assets, and risk-based capital rules, which require the maintenance of specified minimum ratios of capital to "risk-weighted" assets. At March 31, 2010, the Bank was in full compliance with these guidelines with a Tier 1 leverage ratio of 8.73%, a Tier 1 risk-based capital ratio of 13.17% and a total risk-based capital ratio of 14.42%.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The Company's accounting policies are more fully described in its Annual Report on Form 10-K for the fiscal year ended December 31, 2009 and are essential to understanding Management's Discussion and Analysis of Financial Condition and Results of Operations. As discussed there, the preparation of financial statements in conformity with accounting principles generally accepted in the U.S. requires management to make estimates and assumptions about future events that affect the amounts reported in the financial statements and accompanying notes. Since future events and their effects cannot be determined with absolute certainty, the determination of estimates requires the exercise of judgment. Management has used the best information available to make the estimations necessary to value the related assets and liabilities based on historical experience and on various assumptions which are believed to be reasonable under the circumstances. Actual results could differ from those estimates, and such differences may be material to the financial statements. The Company reevaluates these variables as facts and circumstances change. Historically, actual results have not differed significantly from the Company's estimates. The following is a summary of the more judgmental accounting estimates and principles involved in the preparation of the Company's financial statements, including the identification of the variables most important in the estimation process:

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Allowance for Credit Losses. The Bank's allowance for credit losses is determined based upon estimates that can and do change when the actual events occur, including historical losses as an indicator of future losses, fair market value of collateral, and various general or industry or geographic specific economic events. The use of these estimates and values is inherently subjective and the actual losses could be greater or less than the estimates. For further information regarding the Bank's allowance for credit losses, see "Allowance for Credit Losses", above.

Accrued Taxes. Management estimates income tax expense based on the amount it expects to owe various tax authorities. Accrued taxes represent the net estimated amount due or to be received from taxing authorities. In estimating accrued taxes, management assesses the relative merits and risks of the appropriate tax treatment of transactions taking into account statutory, judicial and regulatory guidance in the context of the Company's tax position.

# ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK

For information regarding the market risk of the Company's financial instruments, see "Market Risk and Interest Rate Sensitivity" in "Management's Discussion and Analysis of Financial Condition and Results of Operations".

# ITEM 4. CONTROLS AND PROCEDURES

The Company maintains a system of disclosure controls and procedures that is designed to provide reasonable assurance that information, which is required to be disclosed by the Company in the reports that it files or submits under the Securities and Exchange Act of 1934, as amended, is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission, and is accumulated and communicated to management in a timely manner. The Company's Chief Executive Officer and Chief Financial Officer have evaluated this system of disclosure controls and procedures as of the end of the period covered by this quarterly report, and have concluded that the system is effective. There have been no changes in the Company's internal control over financial reporting during the most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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#### PART II - OTHER INFORMATION

#### ITEM 6. **EXHIBITS**

Exhibit No.

3.1 Articles of Incorporation (incorporated by reference to	Exhibit 3.1 to Amendment No. 1 to the	Registrant's Form
8-A filed December 27, 1999, File No. 0-24047)		

- 3.2 Articles of Amendment, dated October 8, 2003 (incorporated by reference to Exhibit 3.2 to the Registrant's Quarterly Report on Form 10-Q for the Quarter ended March 31, 2003, File No. 0-24047)
- 3.3 Articles Supplementary, dated November 16, 1999 (incorporated by reference to Exhibit 3.3 to the Registrant's Current Report on Form 8-K filed December 8, 1999, File No. 0-24047)
- 3.4By-Laws (incorporated by reference to Exhibit 3.4 to the Registrant's Quarterly Report on Form 10-Q for the Quarter ended March 31, 2003, File No. 0-24047)
- 4.1 Rights Agreement, dated as of February 13, 1998, between Glen Burnie Bancorp and The Bank of Glen Burnie, as Rights Agent, as amended and restated as of December 27, 1999 (incorporated by reference to Exhibit 4.1 to Amendment No. 1 to the Registrant's Form 8-A filed December 27, 1999, File No. 0-24047)
- 10.1 Glen Burnie Bancorp Director Stock Purchase Plan (incorporated by reference to Exhibit 99.1 to Post-Effective Amendment No. 1 to the Registrant's Registration Statement on Form S-8, File No.33-62280)
- 10.2 The Bank of Glen Burnie Employee Stock Purchase Plan (incorporated by reference to Exhibit 99.1 to Post-Effective Amendment No. 1 to the Registrant's Registration Statement on Form S-8, File No. 333-46943)
- 10.3 Amended and Restated Change-in-Control Severance Plan (incorporated by reference to Exhibit 3.2 to the Registrant's Annual Report on Form 10-K for the Fiscal Year Ended December 31, 2001, File No. 0-24047)
- 10.4 The Bank of Glen Burnie Executive and Director Deferred Compensation Plan (incorporated by reference to Exhibit 10.4 to the Registrant's Annual Report on Form 10-K for the Fiscal Year Ended December 31, 1999, File No. 0-24047)

31.1	Rule 15d-14(a) Certification of Chief Executive Officer
31.2	Rule 15d-14(a) Certification of Chief Financial Officer

- Rule 15d-14(a) Certification of Chief Financial Officer
- 32.1 Section 1350 Certifications
- 99.1 Press Release dated May 13, 2010

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#### SIGNATURES

Pursuant to the requirements 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.

GLEN BURNIE BANCORP (Registrant)

Date: May 13, 2010

- By: /s/ Michael G. Livingston. Michael G. Livingston President, Chief Executive Officer
- By: /s/ John E. Porter John E. Porter Chief Financial Officer

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