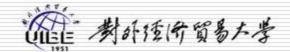


Chapter 10

Evaluating Commercial Loan Requests

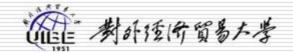
Fundamental credit issues

- Regardless of the type of loan, all credit requests mandate a systematic analysis of the borrower's ability to repay.
- When evaluating loan requests, bankers can make two types of errors in judgment.
 - Extending credit to a customer who ultimately defaults.
 - Denying a loan to a customer who ultimately would repay the debt.
- In both cases, the bank loses a customer and its profits are less.



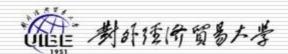
Five fundamental issues

- ☐ Five fundamental issues
 - Character and data quality
 - Use of loan proceeds
 - Loan amount
 - Source and timing of repayment
 - Collateral
- In addition to these issues, credit analysis should examine risks that are unique to each loan.
 - Quality of mgt; the soundness of the business; sensitivity to economic conditions; the firm's relationship with other creditors; etc.



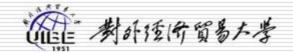
Character and quality of data

- The foremost issue in assessing credit risk is determining a borrower's commitment and ability to repay debts.
- An individual's honesty, integrity, and work ethic typically evidence commitment. For a business, commitment is evidenced by the owners and senior management.
- Whenever there is deception or a lack of credibility, a bank should not do business with the borrower.
- ☐ It is often difficult to identify dishonest borrowers.
- The best indicators are the borrower's financial history and personal references.



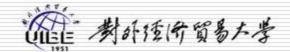
Use of loan proceeds

- Loan proceeds should be used for legitimate business operating purposes
- Speculative asset purchases and debt substitutions should be avoided.
- The true need and use of the loan proceeds determines the loan maturity, the anticipated source and timing of repayment, and the appropriate collateral.
- One common pitfall is to focus too much on collateral and end up financing a firm's long-term needs with short-term notes.



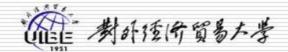
Loan Amount

- The amount of credit required depends on the use of the proceeds and the availability of internal sources of funds.
- Borrowers often ask for too little in requesting a loan and return later for more funds.



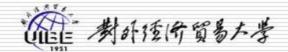
Primary source and timing of repayment

- Loans are repaid from cash flows.
- ☐ Four basic sources of cash flows:
 - Liquidation of assets
 - Cash flow from normal operations
 - New debt issues
 - New equity issues



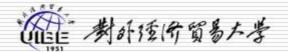
Collateral

- Collateral is the security a bank has in assets owned and pledged by the borrower against a debt in the event of default.
- □ Liquidating collateral is clearly a second best source of repayment for three reasons:
 - There are significant transactions costs associated with foreclosure. (Time, money.)
 - Bankruptcy laws allow borrowers to retain possession of the collateral long after they have defaulted.



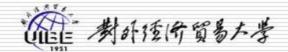
What can be collateral?

- Virtually any assets, or the general capacity to generate cash flow, can be used as collateral.
- Collateral must exhibit three features:
 - Its value should always exceed the outstanding principal on a loan.
 - A lender should be able to easily take possession of collateral and have a ready market for sale.



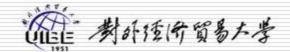
Evaluation: A four-part process

- The purpose of credit analysis is to identify and define the lender's risk in making a loan.
- □ Four-part process:
 - Overview of management, operations, and the firm's industry
 - Common size and financial ratio analysis
 - Analysis of cash flow
 - Projections and analysis of the borrower's financial condition



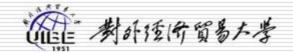
Step 1: Overview of management, operations and industry

- Background information on the firm's operations
 - Organizational and business structure
 - Products or services provided
 - Competitive position in the marketplace
 - Business and industry outlook report
 - Management character and quality
 - The nature of the borrower's loan request and the quality of the financial data provided.



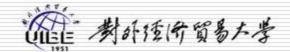
Step 2: Common size and financial ratio analysis

- □ Common size ratio:
 - divide by total assets (balance sheet) or net sales (income statement).
 - It is adjusted for size and thus enables comparisons across firms in the same industry or line of business.
 - The figures can be distorted, if a firm has one balance sheet or income statement item that differs sharply from industry standards.



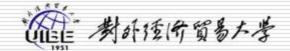
Financial ratio analysis

- Four categories
 - Liquidity ratios: indicate its ability to meet its short-term obligations and continue operations.
 - Activity ratios: signal how efficiently a firm uses assets to generate sales.
 - Leverage ratios: indicate the mix of the firm's financing between debt and equity and potential earnings volatility.
 - Profitability ratios: indicate the firm's sales and earnings performance (ROE, ROA).



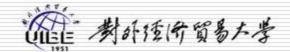
Step 3: Cash flow analysis

- □ Cash flow estimates are compared to principal and interest payments and discretionary cash expenditures to assess a firm's borrowing capacity and financial strength.
- Cash flows:
 - Operating activities
 - Investing activities
 - Financing activities



Step 4: Financial projections

- The previous 3 stages: historical performance
- The final step addresses the future conditions.
- In order to understand the range of potential outcomes, an analyst should make forecasts that incorporate different assumptions about the future.
- Sensitivity analysis: three alternative scenarios

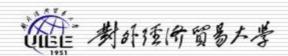


Risk-classification scheme

- After evaluating the borrower's risk profile along all dimensions, a loan is placed in a rating category ranked according to the degree of risk.
- ☐ Such a system is used for credit granting and pricing decisions.

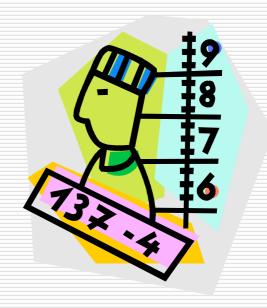
Two types of errors in judgment:

- □ Type I Error
 - Making a loan to a customer who will ultimately default
- Type II Error
 - Deny a loan to a customer who would ultimately repay the debt.



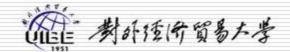
Ratio analysis

- Liquidity and activity ratios
- Leverage ratios
- Profitability ratios



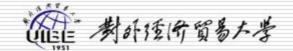
Liquidity and activity ratios

- Net Working Capital = CA CL
- ☐ Current Ratio = CA / CL
- ☐ Quick Ratio = (Cash + A/R) / CL
- □ Days Cash = Cash / Avg. daily sales
- □ Inventory Turnover = COGS / Avg. Inv.
- \square AR Collection (Days A/R) = (A/R) / Avg. daily sales
- Days Cash to CashDays Cash + Days A/R + Days inventory
- Days Payable Outstanding = AP / Avg. daily pur. = AP / [(COGS + ∆Inventory) / 365]
- □ Sales to net fixed assets = Sales / Net fixed assets



Wades Office Furniture: Liquidity Ratios

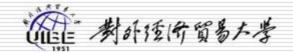
Wades Office Furniture	[-HISTORICA	L -]	[-HISTORI	CAL-J	[-HISTOR	ICAL-J
Unaudited: , SIC #2522	1999		2000		2001	
FINANCIAL RATIOS	\$ 1,000		\$ 1,000)	\$ 1,00	0
Liquidity Ratios						
Current Ratio	1.45		1.48		1.40	
Quick Ratio	0.78		0.81		0.74	
	<u>Days</u> Tim	nes	<u>Days</u>	Times	<u>Days</u>	<u>Times</u>
Days Cash	6.80 53.7	0 x	5.93	61.53 x	2.11	172.64 x
Accounts Receivable Turnover	60.46 6.0	4 x	62.39	5.85 x	55.67	6.56 x
Inventory Turnover	83.20 4.3	9 x	81.09	4.50 x	78.00	4.68 x
Days AP Outstanding	48.83 7.4	7 x	60.60	6.02 x	53.09	6.88 x
Days Cash to Cash Cycle	101.62 3.59	9 x	88.81	4.11 x	82.70	4.41 x
Est. W.C. financing Needs	\$1,417		\$1,320		\$1,870	
Memo: COGS / Accounts payabl	e 6.09 x		5.97 x		6.44 x	



Leverage ratios

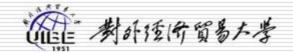


- Debt Ratio = Debt / Total assets
- □ Debt to tangible net worth = Debt / Tang. NW
- ☐ Times interest earned = EBIT / Int. exp. where,
 - EBIT = Earns before tax plus int. exp.
- ☐ Fixed Charge Coverage
 - = (EBIT+lease pay) / (Int. exp. + lease pay)
- Net Fixed Assets to Tangible NW
- Dividend Payout %
 - = Dividends paid / Net profit



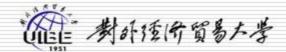
Wades Office Furniture: Leverage Ratios

Wades Office Furniture	[-HISTORICAL-]	[-HISTORICAL-]	[-HISTORICAL-]
Unaudited: , SIC #2522	1999	2000	2001
FINANCIAL RATIOS	\$ 1,000	\$ 1,000	\$ 1,000
Leverage Ratios			
Debt to Tangible Net Worth	2.31 x	2.01 x	2.05 x
Times Interest Earned	3.01 x	3.08 x	4.36 x
Fixed Charge Coverage	1.96 x	1.79 x	2.09 x
Net Fixed Assets to Tangible Ne	t W 63.82%	53.20%	46.97%
Dividend Payout	0.00%	0.00%	0.00%



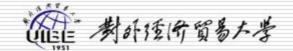
Profitability ratios

- Return on Equity (ROE)Net income / Total equity
 - Profit before taxes to net worthProfit before taxes / Tangible net worth
- □ Return on Assets (ROA) = Net income / Total assets
 - Profit before taxes to total assetsProfit before taxes / Total assets
- Asset utilization (AU) = Sales / Total assets sometimes referred to as asset turnover
- □ Profit margin (PM) = Net income / Sales
- \square Sales growth = Δ Sales / Last period's sales
- Income taxes to profit before taxesReported income tax / Profit before taxes



Wades Office Furniture: Profitability Ratios

Wades Office Furniture	[-HISTORICAL-]	[-HISTORICAL-]	[-HISTORICAL-]
Unaudited: , SIC #2522	1999	2000	2001
FINANCIAL RATIOS	\$ 1,000	\$ 1,000	\$ 1,000
Profitability Ratios			
Return on Net Worth (ROE)	18.07%	13.05%	22.54%
Profit Before Taxes to Net Wo	rth 29.09%	21.94%	36.24%
Return on Assets (ROA)	5.61%	4.44%	7.57%
Profit Before Taxes to TA	8.67%	7.21%	11.76%
Equity mult (leverage = TA / TE)	3.22 x	2.94 x	2.98 x
Income			
Tot. asset turnover (sales / TA)	2.32 x	2.39 x	2.77 x
All other income / total assets	0.00%	0.00%	0.00%
<u>Expenses</u>			
Net profit margin (NI / net sale	s) 2.42%	1.86%	2.73%
COGS / net sales	67.22%	66.28%	66.41%
Operating expenses / net sale	s 26.35%	28.20%	27.27%
Income Taxes to Earnings Bef	ore 35.34%	38.46%	35.67%
Sales / Net Fixed Assets	12.19 x	13.66 x	18.20 x



Cash flow analysis: Cash pays a loan not net income

□ Cash Assets

$$\sum_{i=1}^{n} \Delta A_{i} = \sum_{j=1}^{m} \Delta L_{j} + \Delta NW$$

 \square Let $A1^{j=1}$ = Cash, then:

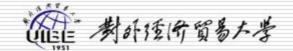
$$\Delta A_{1} = \sum_{i=1}^{m} \Delta L_{j} - \sum_{i=2}^{n} \Delta A_{i} + \Delta NW$$

 \square Let $\triangle NW = \triangle stock + \triangle surplus + NI - DIV$

$$\Delta A_1 = \sum_{j=1}^{m} \Delta L_j - \sum_{i=2}^{n} \Delta A_i + \Delta \text{ stock} + \Delta \text{ surplus} + NI - DIV$$

□ Let NI = Revenues - Expenses - Taxes

$$\Delta A_{1} = \sum_{j=1}^{m} \Delta L_{j} - \sum_{i=2}^{n} \Delta A_{i} + \Delta \text{ stock} + \Delta \text{ surplus}$$
+ Revenues - Expenses - Taxes - DIV

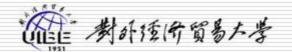


Sources and uses of cash

$$\Delta A_1 = \sum_{j=1}^{m} \Delta L_j - \sum_{i=2}^{n} \Delta A_i + \Delta stock + \Delta surplus$$

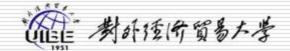
+ Revenues - Expenses - Taxes - DIV

- ☐ Sources of cash are:
 - Increase in any liability
 - Decrease in any non-cash asset
 - New issues of stock
 - Additions to surplus
 - Revenues
- Uses of cash are:
 - Decrease in any liability
 - Increases in any non-cash assets
 - Repayment / refunding of stock
 - Deductions from surplus
 - Cash expenses, taxes, dividends



Understanding sources and uses

- Assets are a use of cash:
 - -(At At-1)
- ☐ Liabilities are a source of cash:
 - +(Lt Lt-1)
- ☐ Revenues are a source of cash:
 - + Revenues
- Expenses are a use of cash:
 - -Expenses
- Just sum up each part



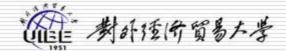
There are two types of cash flow statements

1. Direct

- Converts the income statement into a "cash based income statement."
- Begins with net sales and adjust for changes in balance sheet items.

2. Indirect

Adjusts net income for non-cash charges and changes in balance sheet items.



Four sections in either cash flow statement.

1. Operations

Includes income statement items and all current assets and current liabilities.

2. Investing

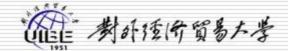
Includes all long term assets

3. Financing

Includes all long term liabilities and equity (except retained earnings) plus dividends paid.

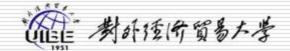
4. Cash

Total of the above, but must equal the actual change in cash and marketable securities.



Converting the income statement into a cash based income statement

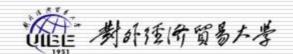
- 1. Operating:
- Cash sales:
 - + Net Sales
 - Δ Accounts receivables
 - = Cash sales
- Cash purchases (negative value):
 - COGS
 - - ∆Inventory
 - + ∆Accounts payable
 - = Cash purchases
 - = Cash gross margin



Converting the income statement into a cash based income statement

Operating (continued):

- □ Cash operating expenses (negative value):
 - Operating expenses
 - + Non-cash charges (dep. and amortization.)
 - - ∆ Prepaid expenses
 - + ∧ Accruals
 - = Cash operating expenses
- Other expenses and taxes:
 - Other expenses + Other income
 - Reported taxes
 - \blacksquare + \triangle Income tax payables and deferred inc. tax
 - = Other expenses and taxes
- = Cash flow from operations (CFO)



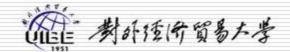
Cash based income statement (cont.)

2. Investing:

- - Capital Exps. = Δ Net fixed assets + depreciation
- - ∆Other long term assets
- = Cash used for Investing.

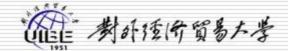
3. Financing:

- Payments for last periods current maturity debt
- Payments for dividends
- = Payments for financing
- \blacksquare + Δ Debt + EOP CM debt
- + New stock issues
- = External Financing
- 4. = Change in cash and marketable securities



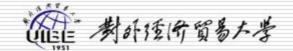
Projections of financial condition

- Pro Forma projections of the borrowers condition reveal:
 - How much financing is required.
 - When the loan will be repaid.
 - Use of the loan.
- Pro Forma Projections
 - Determine critical and non critical assumptions.
 - Use industry projections, internal projections and judgment to determine sales projections.



Pro Forma: Income Statement

```
\square Sales<sub>2002</sub>
                        = Sales_{2001} \times (1 + g_{sales})
                           = $12,430 \times (1 + 0.20) = $14,916
\square COGS<sub>2002</sub>
                        = Sales<sub>2002</sub> x COGS % of Sales
                           = $14,916 \times 0.68 = $10,143
☐ Sell. Exp<sub>2002</sub>
                        = Sales<sub>2002</sub> x Selling Exp. % of Sales
                           = $14.916 x 0.13 = $1.939
\square G&A Exp<sub>2002</sub>
                        = Sales<sub>2002</sub> x G&A Exp. % of Sales
                        = $14,916 x 0.122 = $1,820
\square Int. Exp<sub>2002</sub>
                        = (Bank debt<sub>2002</sub> x rate on bank debt)
                           + (L.T. debt<sub>2002</sub> x rate on L.T. debt)
                        = $697 x 0.145
                           + [(\$75 + \$50 + \$350 + \$225) \times 0.09]
                           = $186
```



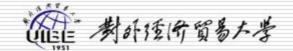
Pro Forma: Balance Sheet (Assets)

Associate balance sheet items with sales.

- \square AR₂₀₀₂ = Days A/R x Average Daily Sales₂₀₀₂ = 50 x (\$14,916 / 365) = \$2,043
- $\square \quad Inventory_{2002} = COGS_{2002} / Inventory turnover$ = \$10,143 / 4.9 = \$2,070

Capital expenditures from the capital budget:

- □ Gross fixed $(GFA)_{2002} = GFA_{2001} + Cap. Exp._{2002}$ = \$791 + \$400 = \$1,191
- Accumulated depreciation₂₀₀₂ $= Acc. Dep._{2001} + depreciation exp._{2002}$ = \$346 + \$110 = \$973

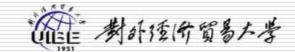


Pro Forma: Balance Sheet (Liabilities)

Trade credit may be tied to inventory growth, thus accounts payable tied to inventory growth:

```
\square AP_{2002} = Days AP x Avg. Daily purchases<sub>2002</sub>
= Days AP x ((COGS<sub>2002</sub> + \triangle Inv._{2002}) / 365)
= 53 x ($10,143 + ($2,070 - $1,764) / 365)
= $1,517
```

Principal payments on debt can be obtained from the capital budget:



Pro Forma: Balance Sheet (Equity)

Balance sheet definitions:

Retained earnings (RE)₂₀₀₂

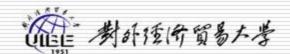
$$= RE_{2001} + (NI_{2002} - Div_{2002}) + Acct$$

Adjust.

$$= $804 + ($339 - $0) + 0$$

 $= $1,893$

 \square Stock₂₀₀₂ = Stock₂₀₀₁ + New stock issues

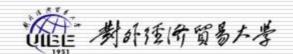


Pro Forma: Determining the "Plug Figure"

- Sales growth will determine growth in receivables, inventory and profit.
- Net Income varies directly with sales in a stable environment.

The difference in projected asset base and total funding without new debt determines additional credit needed or the Plug figure.

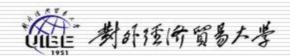
- When Assets₂₀₀₂ > (Liabilities₂₀₀₂ + Net worth₂₀₀₂)
 - →Additional financing is required (notes payable plug): Notes payable₂₀₀₂ = $A_{2002} - (L_{2002} + NW_{2002})$
- When Assets₂₀₀₂ < (Liabilities₂₀₀₂ + Net worth₂₀₀₂)
 - → Surplus cash, invest (marketable securities (plug): Mkt. securities ₂₀₀₂ = - (A₂₀₀₂ - (L₂₀₀₂ + NW₂₀₀₂))



Wades financial projections assumptions:

Most likely circumstances, income statement

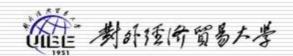
- □ Sales increase by 20 percent annually.
- Cost of goods sold equals 68 percent of sales.
- □ Selling expenses average 13 percent of sales,
- ☐ G&A expenses average 12.2 percent of sales
- □ Depreciation equals \$110,000 annually.
- Noninterest expense equals \$110,000 in 2002 and \$135,000 in 2000.
- Interest expense equals 14.5 percent of bank debt and 9 percent of other long-term debt.
- Income taxes equal 36 percent of earnings before taxes
- Income tax payable increases annually by the rate of change in 2001.



Wades financial projections assumptions:

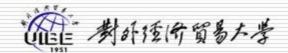
Most likely circumstances, balance sheet

- □ A/R collection improves to:50 in 2002 and 46 in 2000.
- Inventory turnover increases to:4.9 in 2002 and 5.1 times in 2000.
- Days AP outstanding remains constant at 53.
- □ Prepaid expenses increase by \$5,000
- Accruals increase by \$20,000 annually.
- □ \$400,000 is loaned to purchase new equipment, with the principal repaid in 8 equal annual installments.
 - depreciation on the new equip. \$40,000, while depreciation on old will be \$70,000 per year.
- The minimum cash required is \$120,000.
- Other assets remain constant at \$50,000.



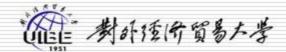
Pro forma Projections: Wades Office Furniture, Income Statement

Wades Office Furniture	[-HIS	TORIC	: A L -J	[P R O	FOR	M A]	[P R O	FOR	M A]	
Unaudited: , SIC #2522		2001	% of		2002	% of		2003	% of	
INCOME STATEMENT	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total	
Net sales	51.88%	12,430	100.0%	20.00%	14,916	100.0%	20.00%	17,899	100.0%	
Cost of goods sold	52.19%	8,255	66.4%	22.87%	10,143	68.0%	20.00%	12,171	68.0%	
Gross profit	51.27%	4,175	33.6%	14.33%	4,773	32.0%	20.00%	5,728	32.0%	
Selling expenses	58.67%	1,628	13.1%	19.11%	1,939	13.0%	20.00%	2,327	13.0%	
Management salaries	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
General & administrative expenses	39.47%	1,689	13.6%	7.74%	1,820	12.2%	20.00%	2,184	12.2%	
Research and development expen	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Depreciation & amortization	2.82%	73	0.6%	50.68%	110	0.7%	0.00%	110	0.6%	
Other operating expenses	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Total operating expenses	46.88%	3,390	27.3%	14.12%	3,869	25.9%	19.43%	4,621	25.8%	
Operating profit	73.67%	785	6.3%	15.20%	904	6.1%	22.43%	1,107	6.2%	
Interest on marketable securities	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Income on long term investments	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Interest expense - Bank Notes	31.93%	157	1.3%	-35.62%	101	0.7%	-48.49%	52	0.3%	
Interest expense - Term notes + LT	0.00%	0	0.0%	#N/A	85	0.6%	-16.47%	71	0.4%	
All other expenses	17.44%	101	0.8%	8.91%	110	0.7%	22.73%	135	0.8%	
All other income	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Total All Other Income (Expenses	25.85%	(258)	-2.1%	14.76%	(296)	-2.0%	-12.84%	(258)	-1.4%	
Profit before taxes	113.36%	527	4.2%	15.41%	608	4.1%	39.60%	849	4.7%	
Income taxes	97.89%	188	1.5%	16.46%	219	1.5%	39.60%	306	1.7%	
Extraordinary and other income (e	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Net income	123.0%	339	2.7%	14.8%	389	2.6%	39.6%	543	3.0%	
Dividends	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%	
Retained earnings	123.03%	339	2.7%		389	2.6%	39.60%	543	3.0%	



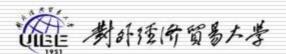
Pro forma Projections: Wades Office Furniture Balance Sheet (Assets)

Wades Office Furniture Unaudited: , SIC #2522	[-HIST	T O R I C 2001	% of	[P R O	FOR 2002	M A] % of	[P R O	F O R 2003	M A] % of
BALANCE SHEET	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total
ASSETS									
Cash	-45.86%	72	1.6%	66.67%	120	2.3%	0.00%	120	2.1%
Marketable securities	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Accounts receivable	35.53%	1,896	42.3%	7.77%	2,043	38.7%	10.40%	2,256	39.6%
Inventory	46.39%	1,764	39.4%	17.35%	2,070	39.2%	15.29%	2,387	41.9%
Prepaid expenses	-70.00%	15	0.3%	33.33%	20	0.4%	25.00%	25	0.4%
Deferred tax asset	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Other current assets	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Current assets	34.45%	3,747	83.6%	13.51%	4,253	80.6%	12.56%	4,787	84.0%
Gross fixed assets	17.36%	791	17.7%	50.57%	1,191	22.6%	0.00%	1,191	20.9%
Leasehold improvements	17.82%	238	5.3%	0.00%	238	4.5%	0.00%	238	4.2%
Less accumulated dep.	24.91%	346	7.7%	31.79%	456	8.6%	24.12%	566	9.9%
Net fixed assets	14.02%	683	15.2%	42.46%	973	18.4%	-11.31%	863	15.1%
Notes & contracts receivable	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Long-term investments	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Intangible assets	28.21%	50	1.1%	0.00%	50	0.9%	0.00%	50	0.9%
Other noncurrent assets	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Total Assets	30.80%	4,480	100.0%	17.77%	5,276	100.0%	8.04%	5,700	100.0%



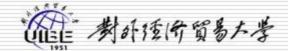
Pro forma Projections: Wades Balance Sheet (Liabilities and Equities)

Wades Office Furniture	[-HIS	TORIC	A L -]	[P R O	FOR	M AJ	[P R O	FOR	M AJ
Unaudited: , SIC #2522		2001	% of		2002	% of		2003	% of
BALANCE SHEET	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total	% Cha	\$ 1,000	Total
LIABILITIES & EQUITY									
Notes payable - bank	53.26%	892	19.9%	-21.85%	697	13.2%	-48.49%	359	6.3%
Accounts payable	41.19%	1,282	28.6%	18.35%	1,517	28.8%	19.52%	1,813	31.8%
Accrued expenses	34.88%	348	7.8%	5.75%	368	7.0%	5.43%	388	6.8%
Income tax payable	27.42%	79	1.8%	27.42%	101	1.9%	27.42%	128	2.3%
Current maturity - Term note	0.00%	0	0.0%	#N/A	50	0.9%	0.00%	50	0.9%
Current maturity - LTD	0.00%	75	1.7%	0.00%	75	1.4%	0.00%	75	1.3%
Other current liabilities	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Current liabilities	41.96%	2,676	59.7%	4.93%	2,808	53.2%	0.20%	2,814	49.4%
Deferred tax liability	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Term notes	0.00%	0	0.0%	#N/A	350	6.6%	-14.29%	300	5.3%
Long-term debt (LTD)	-20.00%	300	6.7%	-25.00%	225	4.3%	-33.33%	150	2.6%
Other noncurrent liabilities	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Total liabilities	31.68%	2,976	66.4%	13.68%	3,383	64.1%	-3.53%	3,264	57.3%
Common stock - par	0.00%	600	13.4%	0.00%	600	11.4%	0.00%	600	10.5%
Paid-in surplus	0.00%	100	2.2%	0.00%	100	1.9%	0.00%	100	1.8%
Preferred stock	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Treasury and other equities	0.00%	0	0.0%	0.00%	0	0.0%	0.00%	0	0.0%
Retained earnings	72.90%	804	17.9%	48.41%	1,193	22.6%	45.54%	1,737	30.5%
Stockholder's equity	29.10%	1,504	33.6%	25.88%	1,893	35.9%	28.70%	2,437	42.7%
Total Liab and Equity	30.80%	4,480	100.0%	17.77%	5,276	100.0%	8.04%	5,700	100.0%



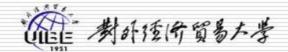
Pro forma Projections: Wades Office Furniture Liquidity and Leverage Ratios

i						
Wades Office Furniture	[-HISTORI	CAL-J	[PRO FOR	R M A]	[PRO FO	R M A]
Unaudited: , SIC #2522	2001		2002		2003	
FINANCIAL RATIOS	\$ 1,000)	\$ 1,000)	\$ 1,000	
Liquidity Ratios						
Current Ratio	1.40		1.51		1.70	
Quick Ratio	0.74		0.77		0.84	
	<u>Days</u>	<u>Times</u>	<u>Days</u>	<u>Times</u>	Days	Times
Days Cash	2.11 <i>′</i>	172.64 x	2.94	124.30 x	2.45	149.16 x
Accounts Receivable Turnover	55.67	6.56 x	50.00	7.30 x	46.00	7.93 x
Inventory Turnover	78.00	4.68 x	74.49	4.90 x	71.57	5.10 x
Days AP Outstanding	53.09	6.88 x	53.00	6.89 x	53.00	6.89 x
Days Cash to Cash Cycle	82.70	4.41 x	74.43	4.90 x	67.02	5.45 x
Est. W.C. financing Needs	\$1,870		\$2,068		\$2,235	
Memo: COGS / Accounts payabl	e 6.44 x		6.69 x		6.71 x	
Leverage Ratios						
Debt to Tangible Net Worth	2.05 x		1.84 x		1.37 x	
Times Interest Earned	4.36 x		4.27 x		7.90 x	
Fixed Charge Coverage	2.09 x		2.19 x		2.89 x	
Net Fixed Assets to Tangible Ne	t W 46.97%		52.79%		36.16%	
Dividend Payout	0.00%		0.00%		0.00%	



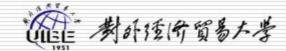
Pro forma Projections: Wades Profitability, Cash Flow and Growth Ratios

Wades Office Furniture	[-HISTORICAL-]	[PRO FORMA]	[PRO FORMA]
Unaudited: , SIC #2522	2001	2002	2003
FINANCIAL RATIOS	\$ 1,000	\$ 1,000	\$ 1,000
Profitability Ratios			
Return on Net Worth (ROE)	22.54%	20.56%	22.30%
Profit Before Taxes to Net Wo	rth 36.24%	33.00%	35.58%
Return on Assets (ROA)	7.57%	7.38%	9.53%
Profit Before Taxes to TA	11.76%	11.53%	14.90%
Equity mult (leverage = TA / TE)	2.98 x	2.79 x	2.34 x
Income			
Tot. asset turnover (sales / TA)	2.77 x	2.83 x	3.14 x
All other income / total assets	0.00%	0.00%	0.00%
Expenses			
Net profit margin (NI / net sale	s) 2.73%	2.61%	3.04%
COGS / net sales	66.41%	68.00%	68.00%
Operating expenses / net sale	s 27.27%	25.94%	25.81%
Income Taxes to Earnings Bef	fore 35.67%	36.00%	36.00%
Sales / Net Fixed Assets	18.20 x	15.33 x	20.74 x
Cash Flow Ratios			
CFO / (DIV + last CMLTD)	-1.71	4.24	6.17
CFO / (DIV + last CMLTD + bnk r	note -0.13	0.41	1.07
CFO / (DIV + last CMLTD & CM Term	+ br -0.13	0.39	0.96
Growth Rates			
Sales Growth (annualized)	51.88%	20.00%	20.00%
Cost of Goods Sold	52.19%	22.87%	20.00%
Net Income	123.03%	14.82%	39.60%
Total borrowed debt	-20.00%	#N/A	-47.62%
Total Assets	30.80%	17.77%	8.04%



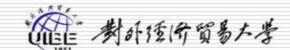
Pro forma projections: Wades Cash Based Income Statement (operations)

	1		
Wades Office Furniture	HISTORICAL	PRO FORMA	PRO FORMA
Unaudited: , SIC #2522	2001	2002	2003
CASH BASED INCOME STATEM	ENT \$1,000	\$ 1,000	\$ 1,000
Net sales	12,430	14,916	17,899
Change in accounts receivable	-497	-147	-213
Cash receipts from sales	11,933	14,769	17,687
Cost of goods sold	-8,255	-10,143	-12,171
Change in inventory	-559	-306	-317
Change in accounts payable	374	235	296
Cash purchases	-8 ,440	-10,214	-12,192
Cash margin	3,493	4,555	5,495
Total operating expenses	-3,390	-3,869	-4,621
Depreciation & amortization	73	110	110
Change in prepaid expenses	35	-5	-5
Change in accruals	90	20	20
Change in other current assets & liab	j. 0	0	0
Cash operating expenses	-3,192	-3,744	-4,496
Cash operating profit	301	811	999
Interest on marketable securities	0	0	0
Income on long term investments	0	0	0
All other expenses & income (net)	-101	-110	-135
Cash before interest & taxes	200	701	864
Interest expense - Bank notes	-157	-101	-52
Interest expense - Term notes and L7	ΓD 0	-85	-71
Income taxes reported	-188	-219	-306
Change in income tax payable	17	22	28
Change in deferred income taxes	0	0	0
Cash flow from operations (CFO)	-128	318	463



Pro forma Projections: Wades Cash Based Income Statement (investment, financing and cash)

Wades Office Furniture	HISTORICAL	PRO FORMA	PRO FORMA
Unaudited: , SIC #2522	2001	2002	2003
CASH BASED INCOME STATEME	NT \$1,000	\$ 1,000	\$ 1,000
Cash flow from operations (CFO)	-128	318	463
Capital exp. and leasehold improvement	ents -157	-400	0
Change in long-term investments	0	0	0
Change in intangible assets	-11	0	0
Change in other noncurrent assets	0	0	0
Cash Used for Investments	-168	-400	0
Payment for last period's CM Term not	te 0	0	-50
Payment for last period's CMLTD	-75	-75	-75
Dividends paid (DIV)	0	0	0
Payments for financing	-75	-75	-125
Cash before external financing	-371	-157	338
Change in short-term bank debt	310	-195	-338
Change in term notes & EOP CM term	note 0	400	0
Change in LT debt + EOP CMLTD	0	0	0
Change in stock & surplus	0	0	0
Change in preferred stock	0	0	0
Change in treasury and other equities	0	0	0
Change in other noncurrent liabilities	0	0_	0
External financing	310	205	-338
Extraordinary exp. and cha. In acct. p	rin. 0	0	0
Current period accounting adjustment	0	0	





Thank You Very Much for Your Kind Attention!

