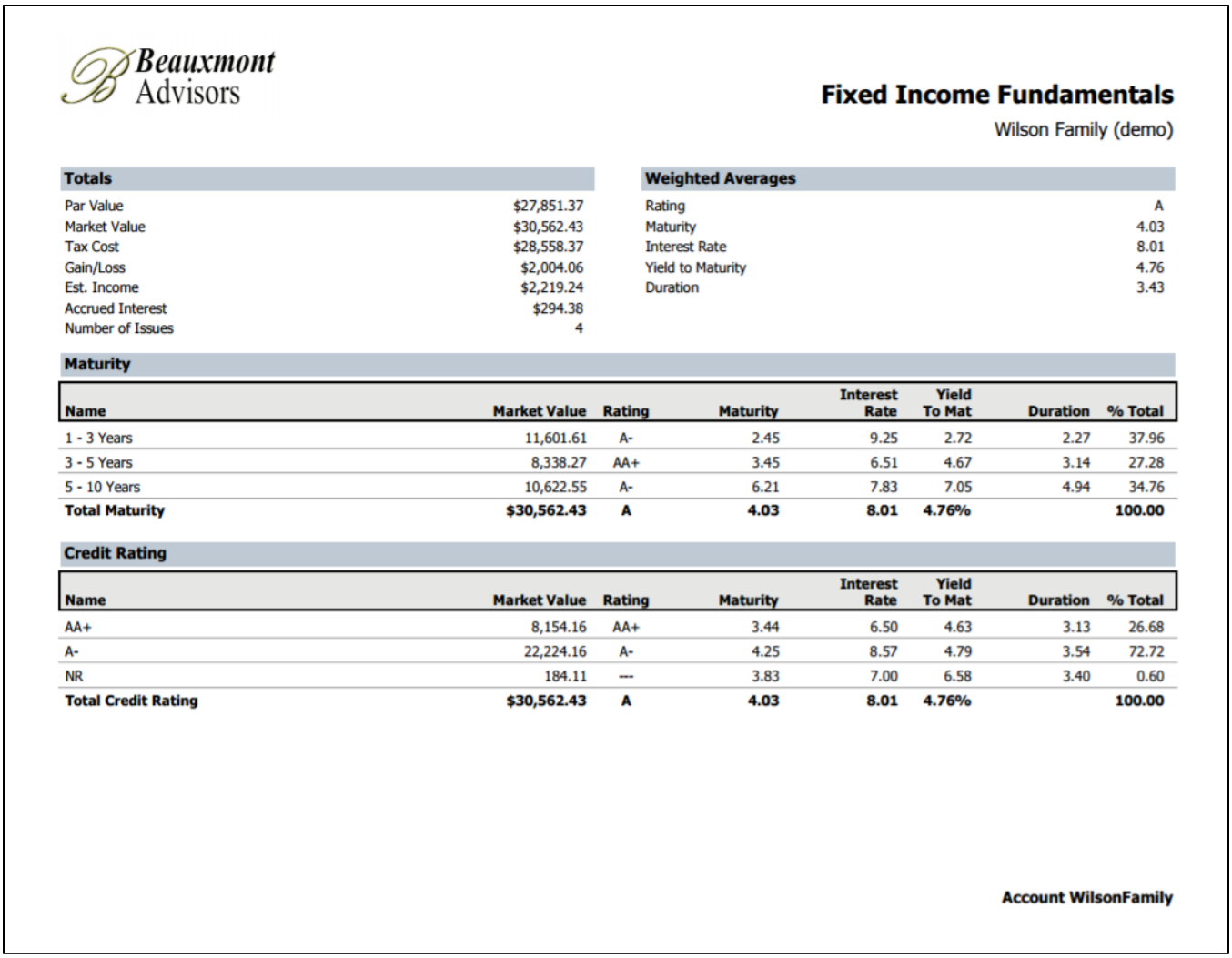
Fixed Income Fundamentals



Beauxmont Advisors

Fixed Income Fundamentals

Wilson Family (demo)

Totals	
Par Value	$27,851.37
Market Value	$30,562.43
Tax Cost	$28,558.37
Gain/Loss	$2,004.06
Est. Income	$2,219.24
Accrued Interest	$294.38
Number of Issues	4

Weighted Averages	
Rating	A
Maturity	4.03
Interest Rate	8.01
Yield to Maturity	4.76
Duration	3.43

Maturity

Name	Market Value	Rating	Maturity	Interest Rate	Yield To Mat	Duration	% Total
1 - 3 Years	11,601.61	A-	2.45	9.25	2.72	2.27	37.96
3 - 5 Years	8,338.27	AA+	3.45	6.51	4.67	3.14	27.28
5 - 10 Years	10,622.55	A-	6.21	7.83	7.05	4.94	34.76
Total Maturity	**$30,562.43**	**A**	**4.03**	**8.01**	**4.76%**		**100.00**

Credit Rating

Name	Market Value	Rating	Maturity	Interest Rate	Yield To Mat	Duration	% Total
AA+	8,154.16	AA+	3.44	6.50	4.63	3.13	26.68
A-	22,224.16	A-	4.25	8.57	4.79	3.54	72.72
NR	184.11	---	3.83	7.00	6.58	3.40	0.60
Total Credit Rating	**$30,562.43**	**A**	**4.03**	**8.01**	**4.76%**		**100.00**

Account WilsonFamily

The **Fixed Income Fundamentals** report displays summarized asset fundamental data for fixed income, grouped by **Maturity, Credit Rating, Duration** and

Sub-category. This report can be run for the fixed income portion of an account or **Consolidated Account** and displays their underlying **Fixed Income** holdings

and fundamental characteristics of each with an account weighted average. You can view **Total Duration** in the **Duration** section.

Dependencies

InvestEdge offers a flexible and modular client implementation solution. Certain reports are dependent on the implementation options for which a client has contracted (i.e.: Performance (account, class, asset) Historical Holdings, Third Party Data Feeds such as Morningstar). The dependencies represent the data or implementation conditions that must exist to support the generation of this report.

Dependency	Description
Historical Holdings	In order to run the historical version of this report, historical data must be populated in the appropriate _hist tables via the client dataload.
Fundamental Data	The client must provide the necessary fundamental data for fixed income assets (rating, maturity, interest rate, yield to maturity, duration, etc)

Global Business Rules

Rules used in the production of the report that are not configurable by the client. This would include information about account types for which the report works, where position information are retrieved (i.e.: account vs. sub-account level), requirements for comparison accounts, and existence of certain asset classes, etc.

Business Rule	Description
Fixed Income Assets	Assets included in this report come from the sub-classes of the Fixed Income asset class (asset_class_id = 10).
Holdings	When run for a regular account, holdings are drawn from that account. When run for a consolidated account, holdings are drawn from both the consolidated account and the sub-accounts.
Consolidated Restricted Holdings	If restricted holdings are included in the report at the consolidated level, they also will be included for both the main account and sub-accounts.
Harmonic Averages	For fields that use harmonic averages, values of 0 will be converted to NULL.

Report Data Sources

Report Reference	Business Description and Derivations/Calculations	Platform Data Source
1	Shared Report Header	Documented separately
2	**Section Header** – indicates the rollup groups for that section	Hard coded in report procedure
3	**Grouping Name** – rollup group name	Table: asset_class_hierarchy Field: nm2 Table: bond_maturities Field: nm Table: bond_ratings Field: nm Duration – no set duration buckets exist at this time. The groupings used here come from the Duration Buckets parameter. Interest Rate Groupings – No set buckets exist at this time for interest rate. The groupings used here come from the Interest Rate Buckets parameter.
4	**Selected Columns** – this report implements dynamic columns. Available columns are listed below. A maximum of 10 columns may be selected, space permitting. The data shown in the columns for each grouping represents a weighted average or straight sum of the assets in the group.	
	% of Total Account % Total Account = (asset market value for grouping) / (total fixed income market value)	See “Market Value” column
	Accrual - SUM(accrual_cur * weight_factor)	Table: acct_assets(_hist) Field: accrual_cur Table: acct_sub_acct(_hist)

		Field: weight_factor
	Average Life – weighted average	Table: asset_bond_analytics(_hist) Field: bond_equivalent_yld_to_effective_mat
	Bond Eq Yld to Effective Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: bond_equivalent_yld_to_effective_mat
	Bond Eq Yld to Next Call – weighted average	Table: asset_bond_analytics(_hist) Field: bond_equivalent_yld_to_next_call
	Bond Eq Yld to Next Put – weighted average	Table: asset_bond_analytics(_hist) Field: bond_equivalent_yld_to_next_put
	Bond Equivalent Yield to Stated Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: bond_equivalent_yld_to_stated_mat
	Bond Maturity (years) – weighted average	Table: assets(_hist) Field: maturity_dt
	Bond Rating – weighted average	Table: assets(_hist) Field: bond_rating_id Table: bond_ratings Field: cd
	Convexity to Effective Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: convexity_to_effective_mat
	Convexity to Stated Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: convexity_to_stated_mat
	Current Yield – weighted average	Table: assets(_hist) Field: yield
	Dollar Value of a Basis Point (to effective mat) – weighted average	Table: asset_bond_analytics(_hist) Field: val_basis_point_to_effective_mat
	Dollar Value of a Basis Point (to stated mat) – weighted average	Table: asset_bond_analytics(_hist) Field: val_basis_point_to_stated_mat
	Duration – weighted average	Table: assets(_hist) Field: duration
	Estimated Annual Income – straight sum of the estimated annual income of the holdings SUM(units * income_rate * weight_factor)	Table: acct_assets(_hist) Field: units Table: assets(_hist) Field: income_rate Table: acct_sub_accts(_hist) Field: weight_factor
	Gain/Loss – straight sutm. gain or loss incurred if the holding were sold at the price shown. Calculated as Market Value – Tax Cost	See “Market Value” and “Tax Cost” columns
	Interest Rate – weighted average	Table: assets(_hist) Field: interest_rate

	MacCauley Duration to Effective Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: maccauley_duration_to_effective_mat
	MacCauley Duration to Next Call – weighted average	Table: asset_bond_analytics(_hist) Field: maccauley_duration_to_next_call
	MacCauley Duration to Stated Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: maccauley_duration_to_stated_mat
	Market Value – straight sum of the dollar value of the holdings, calculated as units * prc_cur * weight_factor. Weight factor is included in the calculation to handle fixed % models. Includes accruals if indicated by parameter setting SUM(((units * prc_cur) + accrual_cur) * weight_factor)	Table: acct_assets(_hist) Field: units, accrual_cur Table: acct_sub_accts(_hist) Field: weight_factor Table: assets(_hist) Field: prc_cur
	Modified Duration to Effective Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: modified_duration_to_effective_mat
	Modified Duration to Next Call – weighted average	Table: asset_bond_analytics(_hist) Field: modified_duration_to_next_call
	Modified Duration to Stated Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: modified_duration_to_stated_mat
	Number of Issues – straight sum	Calculated as the number of distinct assets in the grouping.
	Par Value – straight sum	Table: acct_asset(_hist) Field: units
	Tax Cost – straight sum of the tax cost of the holding, calculated as tax_cost * weight factor. Weight factor is included in the calculation to handle fixed % models.	Table: acct_assets(_hist) Field: tax_cost Table: acct_sub_accts(_hist) Field: weight_factor
	Yield to Call – weighted average	Table: asset_bond_analytics(_hist) Field: yld_to_next_call
	Yield to Effective Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: yld_to_effective_mat
	Yield to Maturity – weighted average	Table: assets(_hist) Field: yield_to_mat

	Yield to Stated Maturity – weighted average	Table: asset_bond_analytics(_hist) Field: yld_to_stated_mat
5	Shared Report Footer	Documented separately

Report Parameters

InvestEdge reports are built using parameters that may be hard-coded to specific values across a client installation, but may also be configured so that users may select a value at run time. Parameters allow for the specification of which assets classes may show on a given report, what filters are available at run time, or what charts or graphs will show on the report.

This section describes the function of all parameters, making note of which are Admin Only, which are User options, and which can be configured as either Admin or User.

Parameter	Description	Default Value
FRONT-END PARAMETERS	Parameters that are automatically displayed on the User Interface without any configuration.	
Exclude Non-rated Bonds from Average Rating (@exclude_NR_from_averages)	Whether or not to exclude non-rated bonds from average rating calculations.	Default is 1 (TRUE).
Include Funds (@bIncludeFunds)	Whether or not funds should be included in the report calculations.	Default is 0 (FALSE).
Include Section - Credit Ratings (@bShowCredit_FIF)	Whether or not the credit rating groupings should be shown on the report.	Default is 1 (TRUE).
Include Section - Durations (@bShowDuration_FIF)	Whether or not the duration groupings should be shown on the report.	Default is 1 (TRUE).
Include Section - Interest Rates (@bShowInterest_FIF)	Whether or not the interest rate groupings should be shown on the report.	Default is 1 (TRUE).
Include Section - Maturities (@bShowMaturity_FIF)	Whether or not the maturity groupings should be shown on the report.	Default is 1 (TRUE).
Include Section - Subcategories (@bShowSubcats_FIF)	Whether or not to include fundamentals for fixed income subcategories.	Default is 1 (TRUE).
Include Section - Summary (bIncludeSummarySection)	Whether or not the summary section should be shown at the top of the report.	Default is 1 (TRUE).
Include Proposed Trades	Whether or not to include Proposed Trades in the Report	do not include (deselected)
Exclude Restricted Holdings	Whether or not to exclude Restricted Holdings in the Report	include restricted holdings (deselected)
Show SMA Detail {? @show_product_detail_se}	Select this check box to show SMA details in the Report. Note that this parameter only affects Consolidated Accounts. Other Account Types always show SMA details.	0
ADMIN PARAMETERS	Available upon configuration by Admin on the back-end.	
Account Code Prefix {? sAcctCdPrefix}	Text to include before the account number in the header/footer. A space will automatically be appended to the value entered for this parameter.	Account
Account ID (@acct_id)	InvestEdge ID of the account for which the report is run.	#acct_id#
Accruals Footnote (sAccrualsFootnote)	Text for the footnote about accruals.	Market values include accruals.
Disclaimer First Page Only {? iDisclaimerFirstPageOnly}	If the disclaimer should appear on the first page only, set this variable to 1 (TRUE). Otherwise set to 0(FALSE).	1

Disclaimer Report ID {?@disclaimer_rpt_id}	ID indicating which report should be queried for the disclaimer text.	-1
Disclaimer Report Text ID {?@disclaimer_rpt_text_id}	ID indicating which text section to use for the disclaimer text in the footer. Text sections are from the report referenced by Disclaimer Report ID.	1
Duration Buckets (@lstDurationBuckets)	CSV list of duration groupings.	Default is “2.00,4.00,6.00,8.00,10.00”
End Date (@dt_end_daily)	End date for the report. Used when report allows intra-month end dates.	Must be set to “1/1/1950”.
End Date (@dt_end_monthly)	End date for the report. Exposed for the Historical version of the report, hidden for the current holdings version.	-1
First Column Header Text (col0_header_text)	Text for the header for the first column of the report.	Name
Include Accruals (@include_accruals)	Whether or not to include accruals in market values.	Default is 0 (FALSE).
Include Zeros (@bIncludeZeros)	Whether or not to include zeros on a section of the report.	Default is 0 (FALSE).
Interest Rate Buckets (@lstInterestRateBuckets)	CSV list of interest rate groupings.	Default is “1.00,3.00,5.00,7.00,10.00”
Maximum Width (@max_cumulative_width)	Maximum width, in inches, available for the dynamic columns in this report.	8
Metadata code (@metadata_code)	Indicates the metadata table to use when retrieving reconciled date. Must be set to 2 (accounting)	
Report Columns (@rpt_column_list)	Ordered CSV list of rpt_column_id values. In order to utilize dynamic columns, this must be configured as a runtime list variable with a value of #column_list1#.	#column_list1#.
Report Date (dtDataDate)	Date displayed in the header/footer.	#dtMarketClose#
Report Header First Page Only (bHeaderFirstPageOnly)	Indicates to display the report header on the first page of the report only.	Defaults to 1 (TRUE).
Report Title (sReportTitle)	Report title to display in the header/footer.	Defaults to “Fixed Income Fundamentals” or “Historical Fixed Income Fundamentals”.
Restricted Holdings Footnote Connector Text (sRestrHoldFootnoteConnector)	Text to use in the footnote about restricted holdings. This text will connect the note about restricted holdings to the rest of the footnote.	less
Section Footer Text (section_footer_text)	Text to display in the section footer total line. Normally provided by the procedure that runs the report. This parameter allows for override of that value.	
Section Header Text (section_header_text)	Text to display in the section header. Normally provided by the procedure that runs the report. This parameter allows for override of that value.	
Show Account Code {?bShowAcctCd}	Whether or not to show the account code in the header/footer.	1
Show Account Name {?bShowAcctNm}	Whether or not to show the account name in the header/footer.	1
Show End Date (@bShowEndDate)	Determines whether or not the end date is shown with the title of the report.	Set to 0 (FALSE) for Fixed Income Fundamentals, 1 (TRUE) for Historical Fixed Income Fundamentals.
Show Grand Total (show_grand_total)	Select this option to show the grand total line. This parameter is not intended to be exposed to the user.	Default is 1 (TRUE).
Style Set ID (@rpt_style_id)	Style Set ID.	Default is 1 (SE Default Style)
Sub-Account Position Types (@lstCNSAcctAssetTypesSub)	The types of positions to summarize for any sub-accounts. Usually only 1 - regular holdings.	1
Use Month End {?@use_month_end}	Indicates the report should use month end of the indicated end date.	1
Use Reconciled Date {?@use_reconciled_date}	Indicates the report should use reconciled date. Overrides End Date parameter.	0

Default Report Columns

For this **Report,** clients can modify the columns displayed and order in which they are displayed. The list of available columns is an administrative function (**Admin>Reports>Dynamic Reports> "Report Name">Columns** screen).

> **NOTE**: If no data is available the **Report** will display a dash (-) in that column.

Report Column	Description
% of Total Account	
Accrual	
Average Life	
Bond Eq Yield to Effective Maturity	
Bond Eq Yield to Next Call	
Bond Eq Yield to Next Put	
Bond Equivalent Yield to Stated Maturity	
Bond Maturity (Years)	
Bond Rating	
Convexity to Effective Maturity	
Convexity to Stated Maturity	
Current Yield	
Dollar Value of a Basis Point (to effective mat)	
Dollar Value of a Basis Point (to stated mat)	
Duration	
Estimated Annual Income	
Gain/Loss	
Interest Rate	
MacCauley Duration to Effective Maturity	
MacCauley Duration to Next Call	
MacCauley Duration to Stated Maturity	
Market Value	
Modified Duration to Effective Maturity	
Modified Duration to Next Call	
Modified Duration to Stated Maturity	
Number of Issues	
Par Value	
Tax Cost	
Yield to Call	
Yield to Effective Maturity	
Yield to Maturity	
Yield to Stated Maturity	Fixed Income Analytics

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