

## BENEFIT-COST RESULTS

Use the mouse to highlight **Results** on the menu, and then, while holding down the left button, move the mouse until **Benefit-Cost Results** is highlighted. The program will then move to the **Results** screen.

Present Value  
Coefficient

Discount Rate	7.00%
Project Useful Life (years)	30
Present Value Coefficient	12.41

**YELLOW Block (Result).** The program displays **12.41** as the present value coefficient. The **Present Value Coefficient** is the present value of \$1.00 per year in benefits received over the project useful lifetime. The **Present Value Coefficient** is calculated from the **Project Useful Lifetime** and the **Discount Rate**, which are carried over, **PURPLE Blocks (Carry Over)**, from the **LEVEL ONE Data** entry page and displayed here for reference.

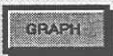
## Summary of Expected Damages and Benefits

Expected  
Damages and  
Benefits Table

	Expected Annual Damages Before Mitigation	Expected Annual Damages After Mitigation	Expected Annual Benefits	Present Value of Annual Benefits
Building Damages	\$1,281	\$9	\$1,272	\$15,779
Contents Damages	\$641	\$5	\$636	\$7,890
Displacement Costs	\$114	\$3	\$110	\$1,369
Business Income Lost	\$43	\$0	\$42	\$526
Rental Income Lost	\$21	\$1	\$20	\$249
Gov't Services Lost	\$883	\$6	\$877	\$10,879
Total Losses	\$2,982	\$25	\$2,957	\$36,691

**YELLOW Blocks (Results).** For each category listed in the table above, the program displays the calculated results: **Expected Annual Damages Before and After Mitigation**, **Expected Annual Benefits**, and the **Present Value of the Annual Benefits**. See Chapter 9, **Benefit-Cost Program: Results**, for a detailed discussion of these results and how to interpret them.

**BENEFITS AND COSTS**

PROJECT BENEFITS		\$36,691
PROJECT COSTS		\$53,205
BENEFITS MINUS COSTS		(\$16,513)
BENEFIT-COST RATIO		0.69

**Project Benefits**

**YELLOW Block (Result).** The program displays **\$36,691** as the present value of damages avoided, which are the calculated benefits for the mitigation project. This value is the "bottom line" -- the calculated benefits of the project -- corresponding to all of the data inputs made previously.

**Project Costs**

**YELLOW Block (Result).** The program displays **\$53,205** as the total costs of the proposed mitigation project.

**Benefits Minus Costs**

**YELLOW Block (Result).** The program displays **(\$16,513)** as the difference between the **Project Benefits** (i.e., the present value of total damages and losses avoided) and the total **Project Costs** of the mitigation project. This result indicates that for the particular project evaluated the benefits are less than the costs by \$16,513.

**Benefit-Cost Ratio**

**YELLOW Block (Result).** The program displays **0.69** as the ratio of benefits to costs for the proposed mitigation project. This means that each \$0.69 in benefits from the project carries a cost of \$1.00. Thus, project costs are greater than the benefits.

**Next**

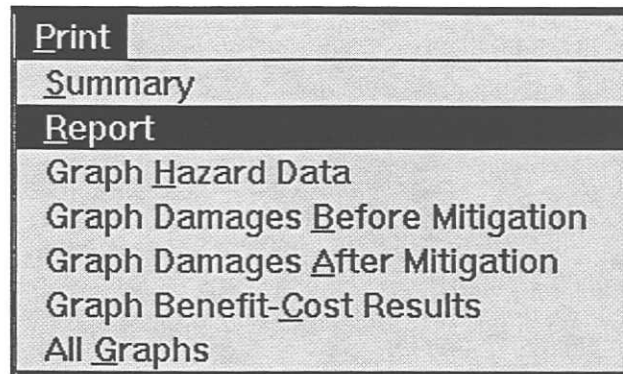
Click on the **NEXT SCREEN** button and go to the next results screen, **SUMMARY**.

## SUMMARY

The Summary contains a concise compilation of all of the data inputs which affect the numerical benefit-cost results. There are no user entries on the Summary page.

**PRINT MENU**

The **Print** menu controls printing of the Summary page, the Report, and any or all of the graphs included in the Benefit-Cost Program. The Summary page contains a one-page compilation of all of the data inputs which affect the numerical benefit-cost results. The Report is a print-out of the Data and Results screens from the Benefit-Cost Program, without the Help buttons and without the bright color shadings.



Click on the **Print** menu label to access the printing options. The program will automatically display the range of available choices to print. Click the mouse button on the appropriate item in the **Print** menu to print any desired item.

**TO END THE TUTORIAL**

After completing the tutorial session, please **EXIT** from the tutorial Benefit-Cost Program.

**To save your tutorial example:**

First, save your work (if desired) with a new name, by using the **Save As...** command described above in Chapter 3.

**To close the tutorial file:**

Click on **File** then click on **Quit**.

**To conduct another benefit-cost analysis:**

Use the mouse to move the cursor to **File** and hold down the left button. Then highlight **Open...** Open the new file, either **BC\_EXAMP.WB1** or **BC\_BLANK.WB1**, as described in the section, **OPENING FILES** on page 3-2.

**If you don't want to do another benefit-cost analysis:**

Click on **File**, then click on **Exit** to leave Quattro Pro and return to Windows. To exit from Windows, click on **File**, then on **Exit**. The screen will display a dialog box with "This will end your Windows session." Click on **OK** to return to a DOS prompt.