TABLE OF CONTENTS

Section 6	Socio	6-1	
	6.1	Community Characteristics Inventory	6-1
	6.2	Sociocultural Effects Evaluation	
		6.2.1 Map View	
		6.2.2 Table of Contents	
		6.2.3 Map View Tool Bar	
		6.2.4 Sociocultural Effects Menu Options	
	6.3	Update Summary of Public Comment	
	6.4	Projects Needing Review	

List of Figures

- Figure 6-1 Digitizing Community Extent
- Figure 6-2 Sociocultural Effects Window

The Sociocultural Effects (SCE) module enables Community Liaison Coordinators and MPOs to enter community characteristics into the database and record the sociocultural effects of projects. These tools are available on the EST home page.



6.1 COMMUNITY CHARACTERISTICS INVENTORY

MPOs and Community Liaison Coordinators can add community boundaries, information to describe those communities, and community focal points to the database by using the Community Characteristics Inventory. Please note that a new release of this module is scheduled for the summer of 2004 to incorporate data entry requirements specified by the SCE Task Work Group.



Open Community Characteristics Inventory

To open, click on the "Community Characteristics Inventory" link on the EST home page.

Zoom to County

Zoom to the county where the proposed project is located by Alachua Zoom

selecting the county name from the pull-down menu. Click "Zoom," and the map will automatically focus on the geographic extent of the selected county. More data layers appear on the layer list to the right of the map. The check box next to each layer name indicates whether or not the data layer is visible on the map. The check box contains a " \checkmark " when the data layer is visible. An empty check box indicates that the layer is not currently visible. Click on the check box next to a data layer to display it in the Map View. To turn off a data layer, simply click on the check box again. Turn on and off as many layers as desired and then click the "Refresh Map" button to accept changes and redraw the map. Note that certain layers like aerial photographs are scale dependent and may not be immediately visible when the map is redrawn. In that event, zoom in closer using the Zoom tool (discussed below).

Navigate to Community Location

Next, use the map navigation tools to maneuver to the specific project area:

- Pan, or move, the current extent of the Map View. Click, hold down the mouse key, and drag the Map View in the desired direction.
- Zoom into a specified extent of the Map View. Click, hold down the mouse key, and draw a box around the area you would like the Map View to zoom into.
- Zoom out from the current extent of the Map View. Click once on the Map View to change the Map View extent. (This tool generally works best if you click on the area that you would like to have in the center of your Map View once the extent is zoomed out.)

Sociocultural Effects Module

Start Digitizing

Digitize Community Extent

SECTIONSIX

To add a community to the database, click the "Start Digitizing" button. The tool bar is set to edit mode, and new buttons appear on the screen. Click "Digitize Community Extent" to begin drawing a boundary on the map. Click on the map at the location of the boundary beginning point. The map redraws with the point added in red. Click on the map for the next point. Note that the map must be completely redrawn before the next point is accepted. When the map redraws, a line will connect

Figure 6-1: Digitizing Community Extent

adjacent points. Continue adding points until the boundary is completed. It is not necessary to re-click the location of the beginning point to close the boundary. Correct errors by using the edit buttons to restart the segment or delete the last point.

If you need to navigate around the map while

digitizing, first click the "Pause" button. Use the "Pan/Zoom" buttons to change the Map View, and click on the "Resume" button to continue digitizing. Click "Finalize Community Extent" to finish the community boundary. The polygon will automatically Finalize Community Extent close, connecting the beginning point and the last point added to the boundary.

Update Community Characteristics

After the polygon is finished, the Community Characteristics Form appears (shown on next page). Some of the information will be pre-populated from 2000 Census data. Enter or update the community characteristics information by typing directly into the spaces provided on the form. Click on the "Submit" button to enter the information into the database.

③ 🖸 쇼 @Search 🔁 - 🎿 👿 - 📄 🛛 Address 🖉 http://aims.fla-etat.or **ETDM Community Characteristics Inventory** Layers 🔍 🔍 🤭 🔍 Resume Main Page







6-3



Communit	/ Characteristics	s Inventory
----------	-------------------	-------------

storical Background and Context:	
mmunity Veluce Jacuas and Entrus C	a a la i
simularly values, issues, and Future G	Gais.
Population and D	Demographics Summary
storic Population: 1990:	2000-
risting: Base Year	Population:
Median Household Income:	
Special Population Groups:	
Predominate Ethnic/Racial Compositio	on:
Population Per Age Group:	
Under 5 years old: 22	-29 yrs: 50-64 yrs:
5-1/ yrs: 30	-59 yrs: 65+ yrs:
18-21 yrs: 40	-49 yrs:
Interim Year: Populatio	n:
Plan Year: Populatio	in:
Housing	Characteristics
riodaling	onal accontrol
/erage Age of Structures:	Type of Occupancy:
verage Age of Structures:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures:	Type of Occupancy: Image: Company: % Vacancy: Image: Company: Compa
verage Age of Structures: 'edominant Type of Structures: verage Condition of Structures:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor	Type of Occupancy: % Vacancy: % Residency 5-years in Home: mic Conditions
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates	Type of Occupancy: % Vacancy: % Residency 5-years in Home: mic Conditions Dominant Employment Sect
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 190:	Type of Occupancy: % Vacancy: % Residency 5-years in Home: mic Conditions Dominant Employment Sect
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 90: 100:	Type of Occupancy: % Vacancy: % Residency 5-years in Home: mic Conditions Dominant Employment Sect Property Values:
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 90: 800:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:1	Type of Occupancy:
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 190:	Type of Occupancy:
verage Age of Structures: verage Condition of Structures: Econor nemployment Rates 190: Unrent: Base Year: ork Force Characterization (SIC): ajor Employers and Industries:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 90: 00: 00: 00: urrent: Base Year: ork Force Characterization (SIC): ajor Employers and Industries: Summary of Pr	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 90: 00: 00: 00: 00: urrent: Base Year: ork Force Characterization (SIC): ajor Employers and Industries: Summary of Ph ne space provided below, summarize any	Type of Occupancy:
Verage Age of Structures: redominant Type of Structures: Verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 190: 100:	Type of Occupancy:
verage Age of Structures:	Type of Occupancy:
Verage Age of Structures: redominant Type of Structures: Verage Condition of Structures: Econor nemployment Rates 90: 00: 00: 00: urrent: Base Year: ork Force Characterization (SIC): ajor Employers and Industries: Summary of Ph ne space provided below, summarize any physical characteristics of the communit	Type of Occupancy:
verage Age of Structures: redominant Type of Structures: verage Condition of Structures: Econor nemployment Rates 90: 00: 00: urrent: Base Year: ork Force Characterization (SIC): ajor Employers and Industries: Summary of Pr ne space provided below, summarize any physical characteristics of the communit	Type of Occupancy:

Enter Community Focal Points

Digitize Point of Interest

Next, click on the "Digitize Point of Interest" button (see Figure 6-1) to add a Community Focal Point to the data set. Click on the map to enter a point for the location of the facility. Note that a

Finalize Point of Interest.

Community Focal Point is represented with a single point. If another location is clicked, the point on the Map View is moved to the new

location. Click "Finalize Point of Interest" to open the Community Focal Point Description form (shown below). Update the information on the form to indicate the type of facility, its importance to the community, and information describing it. Click the "Submit" button to enter the facility into the database and return to the Community Characteristics Inventory window. To add another Community Focal Point, click on the "Digitize Point of Interest" button and repeat the process.

🗿 Efficient Transportation Decision-Making - Microsoft Internet Explorer	_8×
File Edit View Favorites Tools Help	-
🛛 🕁 Back 🔹 🤿 🗸 🖉 🖓 Search 👔 Favorites 🔹 👋 Address 🙋 http://www.fla-etat.org/etdmgis/	▼ 🖓 GO
	<u> </u>
Community Focal Point Description	
Name:	
Type of Facility:	
Number of People Served:	
Owner:	
Services/Amenity Provided:	
Data Source:	
SUBMIT CAN CEL	
🖉 Done 📃 💭 My Cr	omputer //

Main Page

To exit, click on the "Main Page" button (see Figure 6-1) to return to the main menu of the Community Characteristics Inventory module. Click on "Exit Session" to return to the EST home page.

Transfer of Existing Digital Data

Currently, the EST only includes tools for digitizing community boundaries and focal points online. However, existing digital data can also be incorporated into the database if it is in the correct format.

At this time, the only accepted formats for uploading existing data are ESRI Shapefiles, ArcSDE export, or ARC/INFO coverage export files. The community boundaries should be represented as polygons or regions. Community focal points should be represented as points. A metadata file that contains information about the source and accuracy of the data must also be included.

Attribute data describing the communities and focal points may be submitted in separate dBASE IV, Excel, or Oracle tables; but if so, a unique identifier must be included for each record of both the external attribute table and the feature attribute table to enable the tables to be linked. Use the table definitions described in Appendix A Data Format Specifications.

Contact *data@fla-etat.org* for instructions on transferring the data files to GeoPlan. After they have been transferred, GeoPlan staff will load the records into the database and inform the provider when they are finished.

6.2 SOCIOCULTURAL EFFECTS EVALUATION

The "Sociocultural Effects Evaluation" link provides customized tools and maps to help the MPOs and the FDOT District Community Liaison Coordinators to evaluate potential sociocultural effects for proposed projects. On the EST home page, click on "Sociocultural Effects Evaluation." The Sociocultural Effects Evaluation window appears.



Figure 6-2: Sociocultural Effects Window

6.2.1 Map View

The main portion of the Sociocultural Effects Evaluation window is the Map View, which contains the image of the current map. The Map View is an interactive window. By using tools in the tool bar, you are able to select features, change the geographic extent, and query the database from the Map View window. Use the Table of Contents to change the data layers that are visible. The Table of Contents and the Map View tool bar are discussed below.

6.2.2 Table of Contents

The Table of Contents (TOC) is located on the right side of the Map View. The TOC displays the list of data layers available in the Map View, allows the user to choose the layers to view and query on the map, and provides access to the map legend. The data layers are organized in categories that are symbolized with a folder icon. The default TOC lists data categories (groups of data sets). To see a



list of the individual data layers within a category, click on the folder icon next to the category name by clicking on it. (Click on the category folder again to close it and hide the list of data layers.) In an opened category, notice the circular radio button and square check boxes next to the name of each data layer. These are used to toggle data layer options on and off. The check box is used to indicate whether or not the data layer is visible on the map. Click on an empty check box next to the data layer to display it in the Map View. To turn off a data layer, click and uncheck the check box. Turn on and off as many layers as desired and then click the "Refresh Map" button to accept changes and redraw the map. The circular radio button indicates whether a data layer is "Active." An "Active" data layer is used to perform operations such as database queries and feature identification. Only one layer on the list can be "Active" at one time. To make a data layer active, click once on the circle beside the data layer and then use the tools in the tool bar to perform the desired action. The various icons used in the TOC are described below:

TOC Icon Descriptions



View Legend The TOC also allows you to view the map legend by clicking on the "View Legend" button at the bottom of the TOC. To return to the Layers view, click on the "View Layer List" button at the bottom of the Legend In

on the "View Layer List" button at the bottom of the Legend. In order for a layer to be active, the TOC must be in the Layer List view, not the Legend view.

The available data layers that can be viewed on the map change as you zoom in and out of the map, because more detailed data become available as you zoom in. Some layers are scale dependent. Detailed and dense data do not become available until the map is zoomed in to a scale of 1:70,000. Generalized data that have a corresponding detailed layer are turned off when the more detailed layer is made available. For example, rivers and streams that were digitized from 1:100,000-scale maps are available when the map is zoomed to 1:800,000-scale. When the map is zoomed to 1:70,000, these are turned off and the 1:24,000-scale rivers and streams are

Legend Florida Boundary LAND WATER FDOT Districts DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 3 DISTRICT 4 DISTRICT 5 DISTRICT 5 DISTRICT 6 DISTRICT 7 View Layer List

turned on. Data layers that are made visible (checked check box), but not shown at the current scale, are indicated by a magnifying glass icon. Solve Zoom in or out to view these layers. The data sets are grouped into four scale-dependent categories:

Zoomed Out More Than 1:800,000

Only general map reference information appears, such as FDOT district and county boundaries, urban areas, and a few large water features on the map.

1:250,000 - 1:800,000

More detailed map reference information, such as major highways and city limits, are added to the map. More distinct hydrographic features are added, with a general indication of large wetlands areas. At this scale, the ETDM project centerlines can be viewed on the map.

1:70,000 - 1:250,000

At this scale, the resource data begin to appear on the TOC. Resources represented by points, generalized lines, and large polygon areas are visible, such as the FDOT Roadways, US Census data, Level 1 of the Florida Land Use Land Cover Classification System (FLUCCS), and Public Lands boundaries.

Zoomed In More Than 1:70,000

All of the issue data are visible at this scale, as are the most detailed base map layers. Please be aware that most of the GIS data were developed for planning purposes rather than design and engineering. The most precise data were usually mapped from 1:24,000-scale map sources such as the USGS 7.5-Minute Topographic Map Series. Please read the metadata for information about the accuracy and intended use of each data set before making project-specific decisions and recommendations.

6.2.3 Map View Tool Bar

The Map View tool bar contains tools to help view and query the map image.



Details about each tool's operation are discussed below.

Print Map



Print the current Map View. The application will open a printer dialog box and let you choose a printer from those already set up on your computer.

Refresh



Re-load the Internet browser.

Map Navigation Tools

- Pan, or move, the current extent of the Map View. Click on the map, hold down the mouse key, and drag the Map View in the desired direction.
- Zoom into a specified extent of the Map View. Click on the map, hold down the mouse key, and drag a box around the area you would like the Map View to zoom into.
- Zoom out from the current extent. Click once on the Map View to change the Map View extent. (This tool generally works best if you click on the area that you would like to have in the center of your Map View once the extent is zoomed out.)
- 2

Return the Map View to the previous extent. Similar to the "Back" function of an Internet browser, this button allows you to go back to previous views.

Zoom the extent of the Map View to the largest extent of all data layers listed in the Table of Contents. For example, if there are two data layers in the Table of Contents (one that only has features in one county, and the other with features throughout the state), the extent of the Map View will zoom to the extent of the larger, statewide data layer.

Zoom the extent of the Map View to that of the currently active data layer in the Table of Contents.

Zoom the extent of the Map View to the selected features of the currently active data layer in the Table of Contents.

Show/Hide Digital Photography

Toggle the FDOT aerial photography on and off. Click the button to turn on the digital photography for the map extent. Click on the button again to turn them off.



X

Toggle the USGS digital orthophotograph quarter quadrangles (DOQQs) on and off. Click the button to turn on the digital photography for the map extent. Click on the button again to turn them off.

Metadata



Open a Web page providing detailed information about the source, accuracy, and content of the active data layer. This is especially useful when trying to understand codes and classification systems used in a data set.

Identify

Identify Feature of Active Layer

Click on a map feature of the active data layer and view information describing that feature.

To identify a feature in a data layer:

- 1. Make the data layer active by clicking on the radio button beside the name of the data layer.
- 2. Click on the "Identify Feature" tool
- 3. Click on the feature in the Map View.



4. View results in the pop-up dialog window, which opens, reporting all of the attribute information associated with that feature.

For example, if interested in finding the name of an FDOT district, make the FDOT Districts layer active. Next, click on the "Identify Feature" tool. Then, click the mouse cursor on a road. The resulting dialog box displays the information stored in the database. Information about the database table items and any codes used in the data are explained in the metadata file, which can be accessed by clicking the "Metadata" button described above.

Identify Features of All Visible Layers

Click on the map and view attribute information for all visible layers. Database information associated with the features for all visible layers that are found under the click point is displayed in a new window. Unlike the previous tool, a layer does not need to be active, but it will take longer for results to return when many layers are visible.

Query Builder

Search for features of the active data set based on the information stored in the database. # The user can include multiple attributes, operators, and calculations within one query to specify the criteria used to select features. This is a great way to get specific results; however, the response time depends on the number of records in the database. For example, a query that must search through 2,000 records will return results more slowly than a query that only needs to search 200 records.

The following example identifies the steps needed to perform a simple query:

- 1. Click the radio button next to the layer in the Table of Contents to make it active. For example, click on the radio button next to the FDOT Districts data layer to make it active.
- 2. Click on the Query Builder tool **and the Query Builder will appear in a new window**.
- 3. Create the query string by typing it manually into the box next to the "Add to Query String" button, or by using the menus and buttons to specify the selection criteria. Please note: if you are typing in the query manually, text strings are case sensitive and must be enclosed in double quotation marks. For example, the query string to select District One from the FDOT District Boundaries data layer would be typed like this:

(DESCRIPT = "DISTRICT 1")

If you typed "District " in the example above, no features would be found because it is case sensitive.

Rather than typing the query string, it is often easier to build the query string as follows:

- Click on the field you would like to query from the "Field" pull-down menu. In the example shown above, the "DESCRIPT" field was used.

🗿 Query Build	er - Microsoft Inter	net Explorer			_	
Field	Operator	Value		And	Or	-
DOTDIST			Get Samples	Not		
DOTDIST		Query current map ext	ent			
OBJECTID	to Query String				-	
		Execute Undo Cl	lear			
						T

- Click on the "Get Samples" button to retrieve a list of values for the DESCRIPT field from the database.
- Select a Boolean operator to be used in the expression from the "Operator" pull-down menu. For the example shown below, the equal-to sign (=) was used. Other options include: greater-than (>), less-than (<), greater-than-or-equal-to ((), and less-than-or-equal-to ([) signs.
- From the "Sample Values" pull-down menu, select the attribute value that corresponds with your desired attribute.

Query

Click the "Add to Query String" button, and the selection criteria will automatically be added to the box.



- 4. After the query string has been created, click on the "Execute" button below the query string to retrieve the results. The "Undo" button is used with complex queries to erase the last string added to the box. The "Clear" button erases the entire query string.
- 5. The results of the query appear in a new window, and the selected features are highlighted in yellow on the map.
- 6. To zoom to specific features from the query results, click on the "Rec" field in the Query/Selection Results window.



Selection Tool

- Select multiple features of the active data set by drawing a box on the Map View. Any features of the active data set that intersect the rectangle will be selected. Once the features are selected, any action performed on that data set will only use those selected records.
- 1. Make a data set active in the Table of Contents by clicking on the radio button next to its name 🗹 🔍 FDOT Districts

- 2. Click on the "Selection" tool.
- 3. Draw a box on the Map View. Click and hold the mouse button at a point on the map to start one corner of the rectangle, drag the mouse corner to the opposing corner.
- 4. After the shape is drawn, the map redraws, with the selected features highlighted. A window pops up listing the selected records from the database.
- 5. To select a record from the list, click on the link in the "Rec" field. To remove the selected set and clear the highlighting off selected features, use the "Clear Selected Features" tool.



Clear Selected Features

Use this tool in conjunction with any of the "Select Features" tools to unselect features of the active data layer. After clearing the selected set of features, any action performed on the data set will be performed an all features.

Buffer Features

- Create a buffer around the selected features of the active data set and use that buffer to select features from other data layers. This option is very useful for locating resources that fall within a certain distance of a planned project. For example, use the following steps to select historic structures within one-quarter mile of a project.
- 1. Navigate to the desired map location using the map navigation tools or the pull-down menus. For the example shown below, a project was selected using the "County" and "Project" pulldown menus, and then "Go" was clicked to zoom to the project.
- 2. Next select the map containing the desired data layer from the Issue pull-down menu (for example, Historical/Archaeological Sites). Click "Go" to redraw the map.
- 3. In the Table of Contents, make a layer active. For example, make the ETDM Project layer active by clicking on the "Active" radio button.
- 4. Select a feature of the active layer by using the "Select by Rectangle" tool discussed above. For example, draw a box around a project segment. The selected feature turns yellow to show that it is selected.

5. Click the "Buffer Features tool." A new set of buttons and pull-down menus (shown below) appears at the bottom of the screen.

Highlight features from Historical Structures 🗾 within a distance of 0.25 MILES around the selected features of ETDM Create Buffer 🗾 Display

- 6. In the pull-down menu, choose a data layer from which to select features. For our example, we selected "Historical Structures" as the layer to highlight. Enter the distance in the next box. For example, use 0.25. Notice the units are displayed next to the distance box. By default, they are in miles. Click on the square next to "Display" to put a check mark in it. This turns on the option to display the database records for selected features in a new window.
- 7. Click on the "Create Buffer" button.
- 8. The map redraws, showing the buffer around the selected feature. A new window appears listing the records from the database that were found for the specified data layer within the buffer.

1	Environmental Screening Tool	ф	uffe r Res	ults - Mic	rosoft Internet	Explorer		
800) ९ ९ ६ <u>ए द द ४</u> % २ ८ ६ म ५ ७ ८	His	toric Str	uctures				4
C	\$75w. 8	U_1	SITEID	FORNINO	SITENAME	ADDRESS	SURVEYNUM	ARCHITE
			P002687	MELD	GOOD WILL STORE	107-03 N OTH STREET	2970	PIERCE AND MAC
L.			P002905	MELD	POLKHOTEL	900-10 HINSON AVENUE	2076	WALLICK
			P002038	MELD	OLD CENTRAL GRAMMAR SCHOOL	801 LEOWITH AVENUE	2076	HOSFORI E C
			P002582	MELD	ST MARK'S EPISCOPAL CHURCH	102 NORTH 9TH 5T		UNHNOW
			P002821	MELD	1010 ELIZABETH AVENUE	1010 ELIZABETH AVENUE	2970	
			P002822	MELD	1037 ELIZAĐETH AVENUE	1037 ELIZABETH AVENUE	2976	
HighlightTeal	Internet for the second of the		P002823	MELD	1048 ELIZABETH AVENUE	1045 EUZABETH AVENUE	2976	
		71	0002024	WEL N	1044 OAK	1093 OAK	9070	

Measuring Distances

Distances in the Map View are measured between two points of a line. Two types of distances are displayed at the top left corner of the Map View. The "Total" distance is a cumulative measure of one or more segments. The "Segment" distance is the linear measurement between a beginning point of a segment and the cursor position on the map.



Click on the tool to activate it. Click on the map to begin the segment. The Map View redraws showing the beginning point of the segment. Move the cursor on the Map View, and the

distance between the location of the previous mouse click and the cursor's present location is updated in the Segment field.



Click on the map again to complete the segment. The total distance is updated to show the distance between the two points. Continue adding points to extend the line. The total distance is



updated after each segment is completed to show the cumulative length of the line.

In order to measure any other shape such as the perimeter of a rectangle, delineate the shape segment-by-segment, and then consult the dialog box for the total distance that approximates the perimeter. To change the measurement units, use the "Set Units" tool discussed below. To start a new line, click on the "Clear Selection" tool, and add a new beginning point.

Set Units

The "Set Units" tool is used in the scale bar and with the "Buffer" tool and "Measure" tool. Click on the "Set Units" tool. The Set Units tool bar appears at the bottom of the screen with new menus and buttons. Choose a new unit from the pull-down menu. Click on the "Set Units" button to accept the changes and close the Set Units tool bar. Click "Cancel" to disregard any changes that may have been selected in the pull-down menu and close the Set Units tool bar. If you are using the "Measure" tool, the distance will automatically be updated when you set new units.



Help



Click on the "Help" icon to open the Environmental Screening Tool user manual.

Set Scale

Scale 1: The scale indicates the ratio between the distance on the map and the corresponding distance in the real world. The map scale is set automatically when the map extent changes. To set the scale manually, click inside the box and type a whole number for the desired scale. For example, to set the relative map scale to 1:24,000, type "24000" in the box. Do not add commas or quotation marks in the scale, just the numeric value. The map will redraw, zoomed to the new scale. It will remain centered on the same location.

6.2.4 Sociocultural Effects Menu Options

The Sociocultural Effects utility includes customized tools that provide access to the project database, the results of GIS analysis, and forms to enter comments about potential project effects. These tools are selected from pull-down menus located on the right side of the Map View, above the TOC. View selections on any of the pull-down menus by clicking on the inverted triangle to the right of the menu box. Scroll through selections and click on the option to select it.

County

The "County" pull-down menu lists the Florida counties. When a county is selected, click "Go" to zoom the Map View to the extent of that county. The "Project" pull-down menu will update to contain only the projects in that county. The county is also selected for use with review forms and reports.

Project

The "Project" pull-down menu lists the projects currently in the ETDM database for the county selected. When a project is selected, click "Go" to zoom the Map View to the geographic extent of the project. The project is also selected for use with review forms and reports.

Issue

The "Issue" pull-down menu contains the list of issues or categories relating to environmental effects that the ETAT representatives are responsible for reviewing. Select an issue from the list, then click "Go" to display a customized issue map. The issue is also selected for use with review forms and reports. The issues include:

COUNTY	Go
-All-	
PROJECT	Go
-None-	•
ISSUE	Go
Basemap	*



COUNTY	Go
-All-	-
PROJECT	Go
-None-	
ISSUE	Go
Basemap	

- *Aesthetics¹*: Includes data used to evaluate project effects on community character, including resources that may be sensitive to noise, vibration, and visual intrusions.
- *Air Quality:* Contains data for the assessment of the air quality surrounding proposed project sites. Used to identify if the project is located in a non-attainment or maintenance area for ozone or particulate matter.
- Base Map: Contains data representing an overview of the project area, for example, major roads, water bodies and rivers, county boundaries, and FDOT District boundaries. These data are not considered an issue for analysis, but as a reference for all other issues being reviewed. Base map data are also included in each of the issue maps.
- *Coastal and Marine:* Pertains to the evaluation of coastal ecosystems, marine life, sensitive shorelines, and degradation/preservation concerns.
- *Contaminated Sites:* Contains data to support the evaluation of the likelihood of contamination and its impact on the proposed project.
- *Economic¹*: Includes information to assist with the evaluation of effects to businesses, employment, and changes in the tax base.
- *Farmlands:* Used to determine the potential involvement of any farmlands within the proposed project study/construction area.
- *Floodplains:* Contains data to support the evaluation of the 100-year floodplain within the proposed project study/construction area. Considerations include the type of encroachment, potential for backwater impacts, and project influence on floodplain development.
- *Historical and Archaeological Sites:* Used for assessing the potential involvement with properties eligible for or listed on the National Register of Historic Places.
- *Infrastructure:* Contains data that represent the current infrastructure of the project area in order to determine possible impacts.
- *Land Use¹*: Used to identify existing and future land uses that show growth potential and the potential for the proposed project to induce area growth.
- *Mobility*¹: Contains data used to examine the public transportation facilities of an area.
- *Navigation:* Contains data used to determine if a USCG navigation permit is required.
- *Recreation Areas:* Contains data to be used to identify all recreational areas within the proposed project study area.
- *Relocation¹*: Designed to evaluate the potential displacement of residences, businesses, community institutions, etc.
- *Secondary and Cumulative Impacts:* Contains data sets for the determination of possible secondary and cumulative effects within the proposed project study area.
- *Section 4(f) Potential:* Contains data to be used to identify all potential Section 4(f) designated lands within the project study area.

¹ These issues specifically pertain to the review of Sociocultural Effects.

- Social¹: Concerned with changes in demographics, community cohesion, safety/emergency response, and compatibility with community goals and values.
- *Special Designations:* Used for identifying all specially designated lands within the project study area.
- *Water Quality and Quantity:* Contains data for surface water and groundwater quality and quantity impact assessment.
- *Wetlands:* Used to identify the amount of wetlands affected by the proposed project, the type of wetlands involved, and their overall significance to the surrounding area.
- *Wildlife and Habitat:* Used to consider any species or habitat affected by the proposed project.

After selecting an issue, click on "Go" to redraw the map, displaying a new set of data layers pertinent to the selected issue. Please note that data requirements were identified during a series of workshops with representatives from ETAT agencies. Existing data layers were identified to meet those requirements, when available. The best source of available information to meet the requirement has been used in each map; however, not all information was available. As new data layers are made available, they are added to the maps. A current list of data layers for each issue can be obtained on the Frequently Asked Questions (FAQ) link from the EST Home page. Contact help@fla-etat.org if you have additional data layers to add to these maps.

Review

The options in the Review menu provide tools to help in specific Review functions.

Class of Action Determination used by lead federal agencies to review and accept or not accept the recommended Class of Action for projects. Other users can view these determinations.

Project Effects opens a new window with a form to enter comments about effects of the project to resources. To enter comments, first make sure the County, Project and Issue are selected in the appropriate menus (discussed above). Then select "Project Effects" from the Review menu. Click on the "Go" button. The Direct Effects form opens in a new window (shown below). First select the alternative corridor for which the comments will apply. (By default, the first alternative is already selected). Indicate whether or not your agency will continue to be involved in the project or not by clicking on circle next to the desired option. A black dot will appear on the selected option (by default, "Continue" is selected). Select the potential degree of effect by clicking on the circle next to the desired option. See the ETDM Manual for an explanation of the designations. In the appropriate boxes, add commentary to describe the resources, their level of importance and any effects the project may have on the resources. Where adverse effects are identified, use the "Commitments and Recommendations" box to provide recommendations for addressing them. Consider the potential effects of these measures on the community. The following examples of recommendations might be provided to address potential adverse effects:

	-None-
	Class of Action Determination
	Project Effects
	Purpose & Need Statement
	CLC Desired Project Features
en	ts about effects of the project

REVIEW

-None-

Go

-

¹ These issues specifically pertain to the review of Sociocultural Effects.

- Modify or include project design features, such as pedestrian facilities, bicycle facilities, lighting, street-scaping, traffic calming
- Conduct a Focused Technical Study with a public outreach program to address and resolve issue
- Evaluate providing transportation capacity on an alternative corridor or a new alignment
- Evaluate providing transportation capacity through alternative modes
- Identify avoidance and mitigation strategies, such as noise buffers, sight buffers, others

If you have used ancillary information to support the review of this project, please add bibliographic information under the "Additional Comments" box. To enter the comments, simply type the text into the box. You can also copy and paste text from an existing document. Select the text to copy and right-click on the selected text. Select "Copy" from the pop-up menu. Place the mouse cursor on the form, in the box where you want to paste the text. Right-click in the box. Select "Paste" from the pop-up menu. (Alternatively, use the CTRL-C keys to copy and the CTRL-V keys to paste). Finally, enter the user name and password for the electronic signature, and click the "Submit" button to save the changes to the database. These comments can be changed at any time during the Screening Event. After the review period is over, the form will be locked and only available for viewing, not editing.



Purpose & Need Statement displays the Purpose and Need Statement for the project and provides space for comments. To enter comments, first make sure the County, and Project are selected in the appropriate menus (discussed above). Then select "Purpose & Need Statement" from the Review menu. Click on the "Go" button. The Purpose and Need Statement form appears in a new window. Read the project's Purpose and Need Statement provided at the top of the form. Indicate whether it is understood or not understood by clicking on the appropriate radio button. A black dot will appear in the circle of the selected option. If you have selected "Not Understood," provide an explanation in the Comments box. To enter the comments, simply type the text into the box. You can also copy and paste text from an existing document. Select the text to copy and right-click on the selected text. Select "Copy" from the pop-up menu. Place the mouse cursor on the form, in the box where you want to paste the text. Right-click in the box. Select "Paste" from the pop-up menu. (Alternatively, use the CTRL-C keys to copy and the CTRL-V keys to paste). Enter the user name and password as the electronic signature certifying your agency response. Click "Submit" to save the edits to the database and exit the form.

Purpose and Need - View/Edit Comment Re	scord - Microsoft Internet Explorer	
Project: US 98: From US 27 to	East of Airport Doad From US 27 To east of	Airport Road
Agency: FL Department of Transportatio	n Y	mporticous
Purpose and Need Statement:	○ Understood ○ Not Understood	
Regional Connectivity US 98 is a regional east-west p it connects Lakeland in Polk Co Okeechobee in the south. Local Racetrack. Within the 3.1-mile access to local commercial and	principal arterial bisecting Highlands County. Dunty with Avon Park and Sebring in Highlands (11y, US 98 provides access to the Sebring Air 1 e study corridor, US 98 is a two-lane highway 1 residential areas.	Regionally, county with rerminal and that provides
US 98 is designated as a hurric	cane and emergency evacuation route.	
Safety/Crash Rates The actual crash rates per mill Department of Transportation Sa statewide average for similar f	lion vehicle miles for this project from the F afety office are shown for 1999 to 2001 togeth facility types.	lorida er with the
Comments:		
		<u> </u>
UPED NAME. DASSWODD.		SIIDPACT.
ASSWORD:	By entering your agency's password you are certifying that these comments represent the official review for your agency.	
d		

CLC Desired Project Features opens a form that is used by the MPOs and Community Liaison Coordinators to provide information about project features that are desired by the affected community. To enter desired project features, simply type the text into the box. You can also

Project			From	To
US 98: Fr	om US 27 to East o	f Alrport Road	US 27	east of Airport Road
ETDM #	Modification #	ETDM Stage		Project Status
3150	null	Planning Screen		ETAT Review

copy and paste text from an existing document. Select the text to copy and right-click on the selected text. Select "Copy" from the pop-up menu. Place the mouse cursor on the form, in the box where you want to paste the text. Right-click in the box. Select "Paste" from the pop-up menu. (Alternatively, use the CTRL-C keys to copy and the CTRL-V keys to paste). Enter your user name and password and click the "Submit" button to save the edits into the database.

Reports

Various reports are available to help review project information, the results of the standard GIS analyses, and the recommendations of the ETAT. Sample reports are included in Appendix A of this Handbook.

• *Countywide GIS Summary Report:* Summarizes results of the GIS analyses for projects within the selected county. This report is useful for assessing cumulative effects.

REPORT	Go
-None-	-
-None-	
Countywide GIS Summary Report	
ETAT Comments: Ad Hoc Query	
ETAT Comments: Project Effects	
ETAT Comments: Purpose and Need	
Finalized Summary Reports	
GIS Analysis Results	
Project Description	
Projects Needing Review	
System Plan Summary Report	

Sociocultural Effects Module

SECTIONSIX

Project Reviews Table of Contents: 3150 US 98 Add Lanes

ETDM #

• *ETAT Comments: Ad Hoc Report:* Provides a query tool that enables the user to select ETAT comments by county, project name, issue, plan year, ETDM phase, review date, or review agency. Choose one or more options to set the selection criteria. Select either the

Purpose and Need Report or Project Effects Report to view the comments that meet the specified criteria. The following example shows how to view Project Effect comments on the selected project. After setting the criteria and selecting a report, an overview chart appears first, showing the degree of effect. Click on the colored box to drill down to the specific comments.

> Project Name 3150 US 98 Add Lanes

ETAT Re	vlews: Ac	i Hoc Report		
Select se Report m District, C the Proje	arch criteri enu. County, Pla ect menu.	a, then choose n, and Phase :	s a report from t selections will re	ha Ioad
DISTRICT	FDOT Dishic	41		17
COUNTY	HigNando			=
PLAN	AL-			•
PHASE	Planning Sco	681		F
PROJECT	3150 US 98	Add Lanes		
Issue	-AR-			17
Review	MONTH	DAY	YEAR	-
DATE	Al-	- 11 MP		
REPORT	Project Effect	s		
				-

Alternative	Agency	Agency Involvement	Issue	Effect	Review Date
1	FL Department of Community Affairs	Continue	Land Use	Moderate	04-15-04
1	FL Department of Environmental Protection	Continue	Section 4(f) Potential	Moderate	04-15-04
1	FL Department of Environmental Protection	Continue	Wetlands	Moderate	04-15-04
1	FL Department of State	Continue	Historic and Archaeological Sites	Moderate	04-16-04
1	Federal Highway Administration	Continue	Section 4(f) Potential	Minimal to None	04-15-04
1	Federal Highway Administration	Continue	Wildlife and Habitat	Substantial	04-15-04
1	Federal Transit Administration	No Further Action	Mobility	Minimal to None	04-DS-04
1	National Marine Fisheries Service	No Further Action	Wetlands	Minimal to None	04-14-04
1	US Coast Guard	No Further Action	Navigation	Minimal to None	04-08-04
1	US Fish and Wildlife Service	Continue	Special Designations	Substantial	03-16-04
1	US Fish and Wildlife Service	Continue	Wetlands	Substantial	03-16-04
1	US Fish and Wildlife Service	Continue	Wildlife and Habitat	Substantial	03-16-04

back to top view all project comments



- *ETAT Comments: Purpose and Need:* If the screening event is complete, this report provides ETAT comments about the Purpose and Need Statement for the selected project.
- *ETAT Comments: Project Effects:* If a screening event is complete, this report provides ETAT comments about the potential effects to resources in the selected issue by the selected project.
- *Finalized Summary Report:* If the selected project has been reviewed during ETAT screening events, the completed summary reports are displayed showing the results of the screening events.
- *GIS Analysis Results:* Provides the results of the standard GIS analyses performed for the selected project and issue. This report is useful for identifying potential environmental effects. For an up-to-date list of available analyses, go to the Frequently Asked Questions (FAQs) on the EST home page to retrieve a list from the database.
- *Project Description:* Displays the details about the project. It includes the Purpose and Need Statement and links to any document attachments.
- Projects Needing Review: Displays projects that still need to be reviewed. Select
 "Projects Needing Review" and click "Go." A listing of projects will appear. These are
 projects that are currently in a Screening Event and need comments on project effects
 submitted. In addition to the project name, the list includes the ETDM phase, and the
 number of days remaining in the screening event. Click on the unique ETDM Number for
 the project to zoom the map into the project and populate the County and Project pull down menus. The Project Description Report will also open. (Note that the report may get
 hidden behind the Map View when the map redraws, but it is still open.)
- *System Plan Summary:* Displays a summary of the transportation system plan(s) with which the selected project is associated.

6.3 UPDATE SUMMARY OF PUBLIC COMMENT

The next tool Sociocultural Effects tool opens a form to summarize the public comment received about a project. The information is stored as part of the project record in the database and appears on the Project Description Report. Sociocultural Effects Module:

 <u>Community Characteristics Inventory</u>
 <u>Sociocultural Effects Evaluation</u>
 <u>Update Summary of Public Comment</u>
 <u>Projects Needing Review</u>

To open the form, click on the "Update Summary of Public Comment" link on the EST Home page. Use the first pull down menus to select the Planning Organization of the project. The project list updates to include all of the projects in the Planning Organization. Optionally, narrow down the list by selecting a County and an ETDM Phase. Select the desired project from the project list. If a summary of public comment already exists in the database, it will appear in the textbox and can be edited. To enter a summary, simply type the text into the box. You can also copy and paste text from an existing document. Select the text to copy and right-click on the selected text. Select "Copy" from the pop-up menu. Place the mouse cursor on the form, in the box where you want to paste the text. Right-click in the box. Select "Paste" from the pop-up menu. (Alternatively, use the CTRL-C keys to copy and the CTRL-V keys to paste). Click the "Submit" button to save the update.



lanning Organization:	FDOT District 1	-
County:	Highlands 💌	
TDM Phase:	Planning Screen 💽	
Project Name:	US 98 Add Lanes 💌	
Planning ID:	4145111	
Beginning Location:	US 27	
Ending Location:	east of Airport Road	
Summary of Dublic Con		
Summary of Public Con	nment:	
Summary of Public Con	nment:	-
Summary of Public Con	nment:	
Summary of Public Con	nment:	
Summary of Public Con	nment:	

6.4 PROJECTS NEEDING REVIEW

The final tool listed on the EST Home page under Sociocultural Effects (Figure 6-1) provides a quick link to the Projects Needing Review report. Like a "To Do" list, this report displays projects that still need to be

- reviewed for the individual user. Click on the "Projects Needing Review" link. A report with two listings of projects will appear. The top section of the report lists projects that are currently in a Screening Event and you have not yet submitted comments on project effects. The bottom section of the report lists projects that are currently in a Screening Event and you have submitted comments. In addition to the project name, the list includes the ETDM phase, and the number of days remaining in the screening event. Use the District and County pull-down menus to view a subset of the list. Click on a column title to sort the list in ascending order by the information in
- Sociocultural Effects Module:
 - <u>Community Characteristics Inventory</u>
 - Sociocultural Effects Evaluation
 - Update Summary of Public Comment
 - Projects Needing Review

the column, click again to sort in descending order. To begin a review of a project, click on the unique ETDM Number. The Map Viewer and Project Description Report will automatically open for the selected project. The map automatically zooms to the project extend with the County and Project menus populated with the correct information. (Note that the report may be hidden behind the Map View window when the map redraws, but it is still open.) After the comments on project effects have been submitted, the project is moved to the bottom section of the report.

Projects Needing ETAT Review								
District County				Review Organization				
FBOT District 1		FL Department of Transportation						
FL Department of Transportation Legend:								
			Projects Requiring Review Projects with Draft Reviews					
t\ Results sorted in ascending\descending order of column values. Click column national				nn name to sort.				
County 1	ETDM #	Project N	ame		ETDM Phase	Days Left	Last Day	
Charlotte	3203	US 41 Add	1 Lanes		Programming Screen	4	06/14/2004	
Collier	3254	US 41 Add Lanes			Programming Screen	4	06/14/2004	
Hardee	<u>3051</u>	US 17 Add Lanes			Programming Screen	4	06/14/2004	
Highlands	3054	SR 70 Add Lanes			Programming Screen	4	06/14/2004	
Lee	3055	SR 82 Add Lanes			Programming Screen	4	06/14/2004	
Okeechobee	3053	SR 70 Add Lanes			Programming Screen	4	06/14/2004	
Polk	3052	US 27 Add Lanes			Programming Screen	4	06/14/2004	
Polk	3192	US 92 (New Tampa Highway) Add Lanes			Programming Screen	4	06/14/2004	
No projects with draft reviews were found that met the following search criteria: District: FDOT District 1 County: -All- Organization: FL Department of Transportation								