

# CAPTIVATE AND CAMTASIA: ACCESSIBILITY AND SCREEN-RECORDING APPLICATIONS

Sean Keegan

Web Accessibility Instructor

High Tech Center Training Unit for the California  
Community Colleges

# Overview

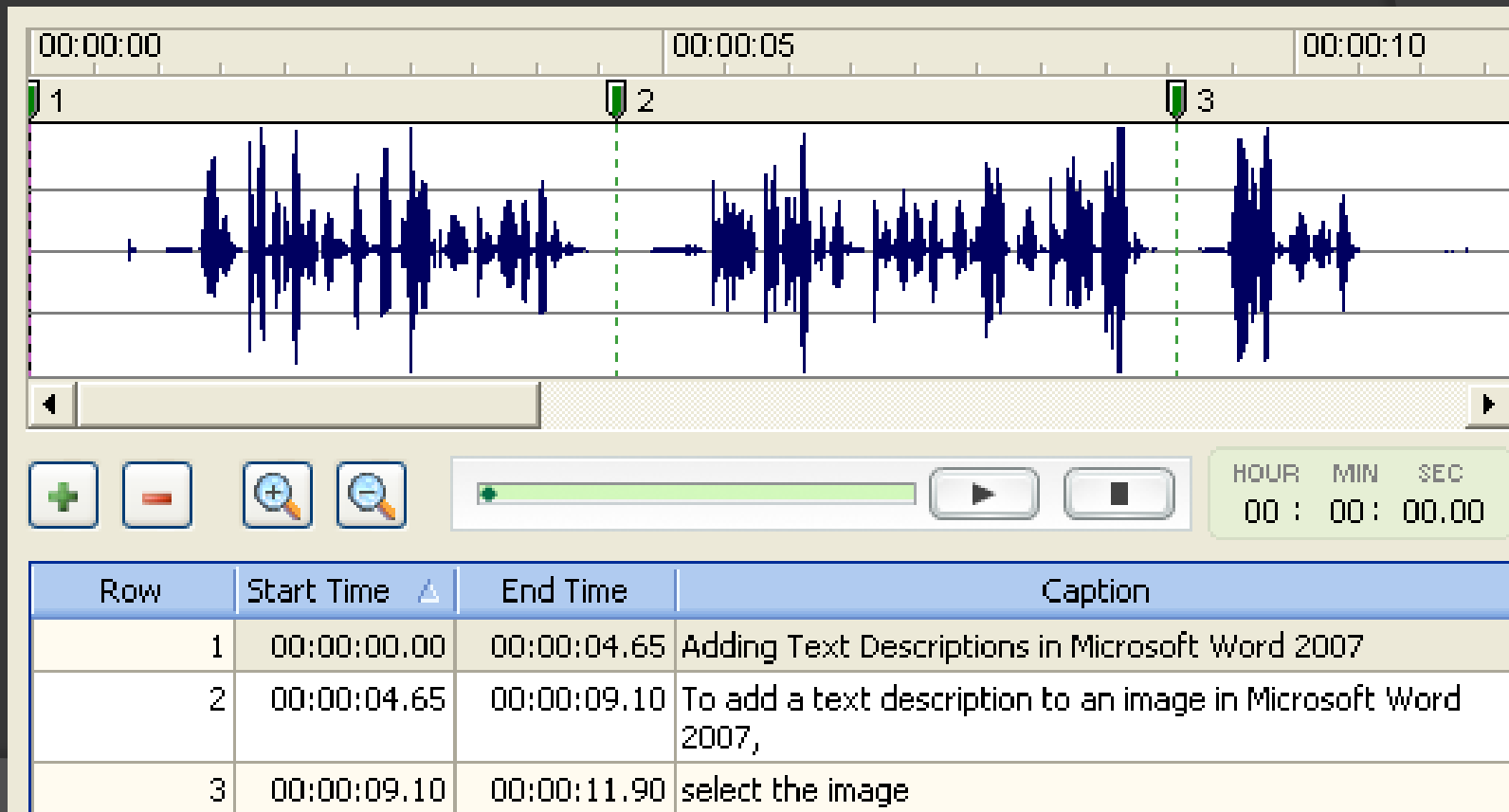
- Captioning
- Hotspots and Interactivity
- Keyboard Support



# Adobe Captivate 3

# Captivate: Captioning

- Captioning interface is under Slide > Properties > Audio
- Add a "Start Time" marker BEFORE starting Audio
- No option to import a time-coded file



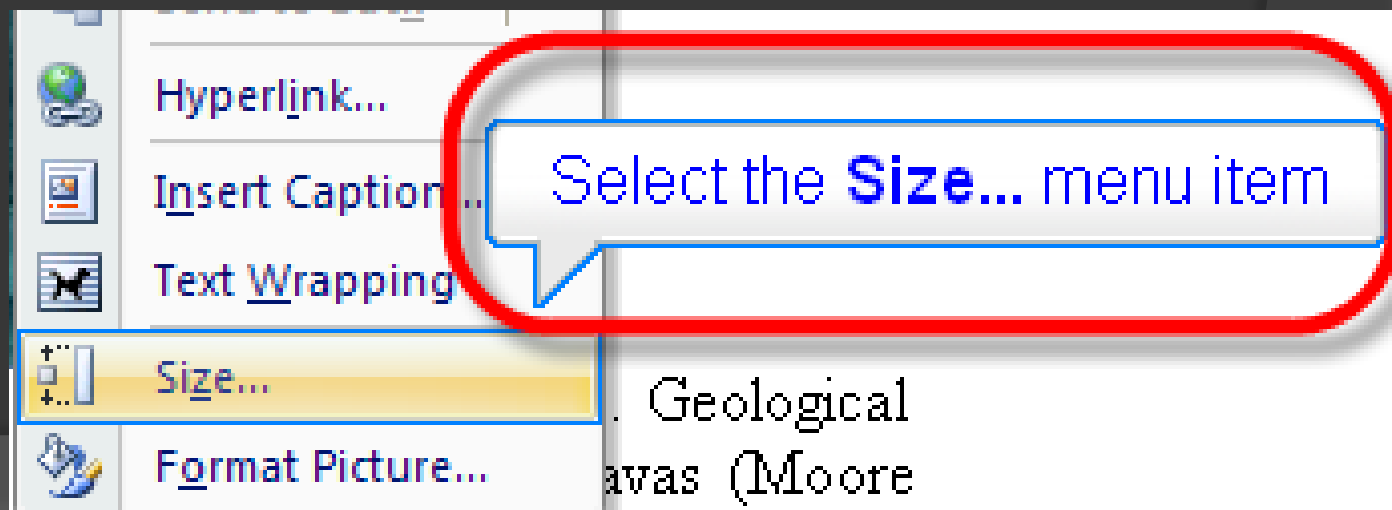
Row	Start Time	End Time	Caption
1	00:00:00.00	00:00:04.65	Adding Text Descriptions in Microsoft Word 2007
2	00:00:04.65	00:00:09.10	To add a text description to an image in Microsoft Word 2007,
3	00:00:09.10	00:00:11.90	select the image

# Captivate: Captioning

- ⦿ The Project "skin" controls the visual effects of the captions (Project > Skin)
- ⦿ Default settings are not appropriate for light colored backgrounds and should be modified
- ⦿ My settings for an 800x600 movie:
  - 2 Lines (visually)
  - 14 – 16pt font, White
  - Black Background, 0-20% Transparency

# Captivate: Exporting

- Before exporting, check your "skin" settings to ensure captions are included
- If exporting as a MS Word document, "text captions" are not the same as "captioning"



# Captivate: Interactivity

The screenshot shows a video player interface. The main content is a web page titled "Types of Lava" with a sub-section "Pillow Lava" and a corresponding image of dark, jagged rock formations. A "Size" dialog box is open over the image, with the "Alt Text" tab selected. The "Alternative text:" field contains the text "Rounded and elliptical formations of pillow lava." Below this field is a paragraph explaining the purpose of alternative text: "Web browsers display alternative text while pictures are loading or if they are missing. Web search engines use alternative text to help find Web pages. Alternative Text is also used to assist users with disabilities." At the bottom of the dialog box, a yellow rectangular button with the text "Click to Continue Video" is highlighted by a red rounded rectangle. A "Close" button is visible at the bottom right of the dialog box. The video player's status bar at the bottom shows "Page: 1 of 3", "Words: 255", and a 100% zoom level. Playback controls are visible at the very bottom.

## Types of Lava

### Pillow Lava

Alternative text:  
Rounded and elliptical formations of pillow lava.

Web browsers display alternative text while pictures are loading or if they are missing. Web search engines use alternative text to help find Web pages. Alternative Text is also used to assist users with disabilities.

Click to Continue Video

Close

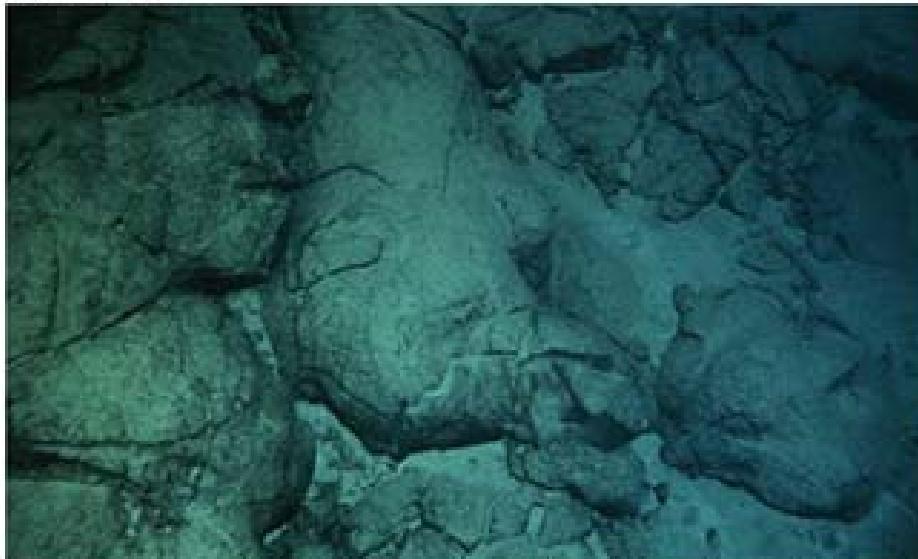
Page: 1 of 3 Words: 255 100%

# Captivate: Interactivity

- Text captions are not read by default

## Types of Lava

### Pillow Lava

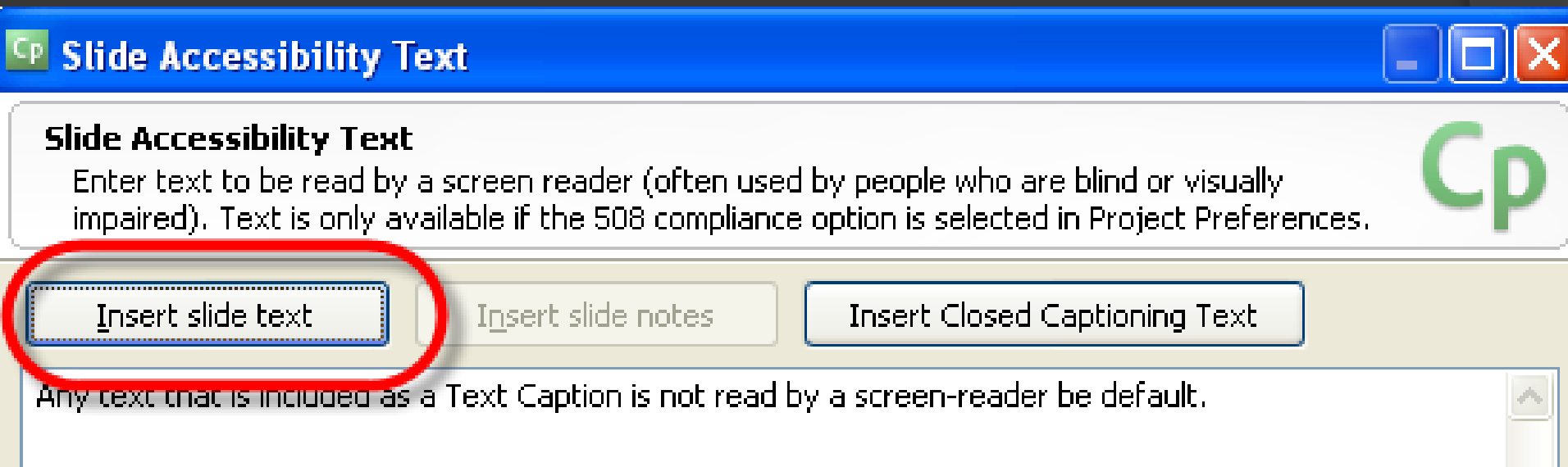


Any text that is included as a Text Caption is not read by a screen-reader by default.

Eruptions under water or ice produce pillow lava. James Moore of the U.S. Geological Survey made the first underwater observations of the formation of pillow lavas (Moore and others, 1973). Moore and his coworkers studied lava from the Mauna Ulu eruption.

# Captivate: Interactivity

- For text captions or other slide notes, you can add this information as Slide Accessibility Text



The screenshot shows a dialog box titled "Slide Accessibility Text" with a blue header bar. The dialog contains a text area with the following text: "Enter text to be read by a screen reader (often used by people who are blind or visually impaired). Text is only available if the 508 compliance option is selected in Project Preferences." To the right of the text area is a green "Cp" logo. Below the text area are three buttons: "Insert slide text", "Insert slide notes", and "Insert Closed Captioning Text". The "Insert slide text" button is highlighted with a red circle. At the bottom of the dialog, there is a text area containing the text: "Any text that is included as a Text Caption is not read by a screen-reader by default." The dialog has standard window controls (minimize, maximize, close) in the top right corner.

**Slide Accessibility Text**

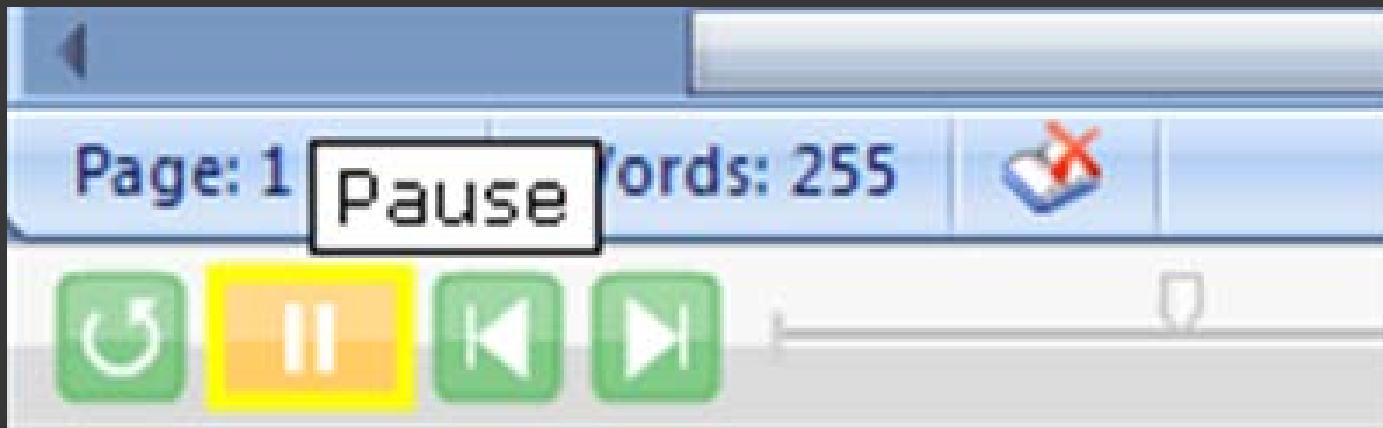
Enter text to be read by a screen reader (often used by people who are blind or visually impaired). Text is only available if the 508 compliance option is selected in Project Preferences.

**Insert slide text**    Insert slide notes    Insert Closed Captioning Text

Any text that is included as a Text Caption is not read by a screen-reader by default.

# Captivate: Keyboard Support

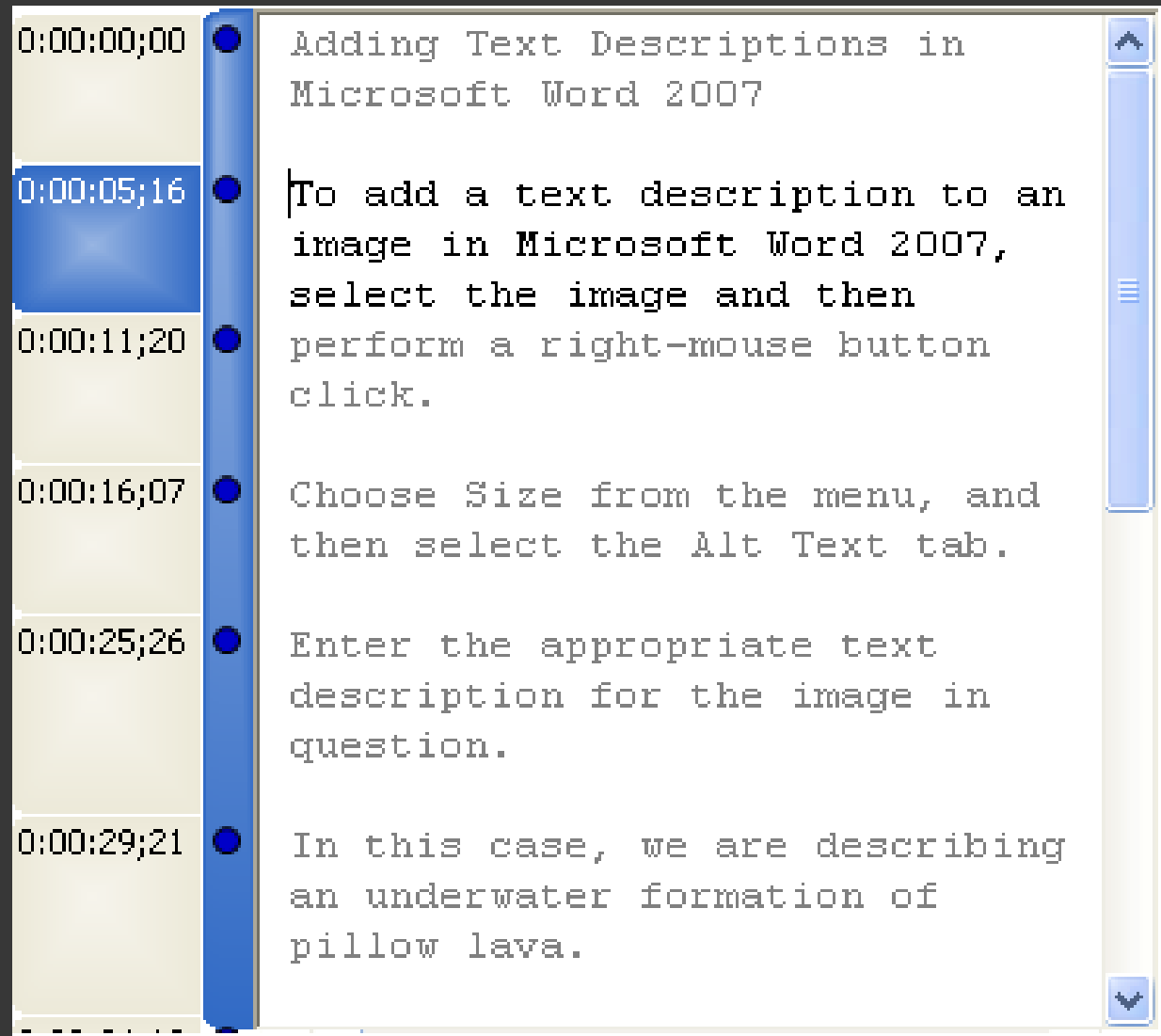
- Use the "tab" key for movie controls
- If assigning interactive regions specific keystrokes – BE CONSISTENT
  - Screen-reader user may need to invoke the "pass-through" function to activate the button



# Camtasia Studio 5

# Camtasia: Captioning

- Captioning interface is under Edit > Captions
- Text is automatically formatted into three rows



The screenshot displays the Camtasia captioning interface. On the left, a vertical timeline shows video segments with timestamps. The second segment, from 0:00:05;16 to 0:00:11;20, is highlighted in blue. To the right of the timeline is a list of captions, each with a blue circular bullet point. The first caption is 'Adding Text Descriptions in Microsoft Word 2007'. The second caption, corresponding to the highlighted segment, is 'To add a text description to an image in Microsoft Word 2007, select the image and then perform a right-mouse button click.'. The third caption is 'Choose Size from the menu, and then select the Alt Text tab.'. The fourth caption is 'Enter the appropriate text description for the image in question.'. The fifth caption is 'In this case, we are describing an underwater formation of pillow lava.'. The interface includes a vertical scrollbar on the right side.

Timestamp	Caption
0:00:00;00	Adding Text Descriptions in Microsoft Word 2007
0:00:05;16	To add a text description to an image in Microsoft Word 2007, select the image and then perform a right-mouse button click.
0:00:11;20	Choose Size from the menu, and then select the Alt Text tab.
0:00:16;07	Enter the appropriate text description for the image in question.
0:00:25;26	
0:00:29;21	In this case, we are describing an underwater formation of pillow lava.

# Camtasia: Captioning

by assistive computer technologies.

For more information about how much

Microsoft Word document.

Your text description of the

Once you have entered the information,  
press the "Close" button to return to  
the

# Camtasia: Captioning

- Allow two lines of text followed by a blank line
- For one line of content, allow two blank lines

0:00:00;00	○	Adding Text Descriptions in Microsoft Word 2007
0:00:05;14	●	To add a text description to an image in Microsoft Word
0:00:08;22	●	2007, select the image and then perform a
0:00:12;24	●	right-mouse button click.
0:00:16;03	○	Choose Size from the menu, and then select the Alt Text tab.
0:00:25;24	○	Enter the appropriate text description for the image
0:00:28;13	○	in question.

# Camtasia: Exporting

- Camtasia provides a variety of export formats
- The usability of captioning can depend on the export format specified
- For captions to be included, the "Display" option must be enabled

# Display

Geology 2.3 – volcanoes

## Types of Lava

### Pillow Lava



Eruptions under water or ice produce pillow lava. James M. Moore and his coworkers (Moore and Moore, 1973). Moore and his coworkers studied lava flows from the south coast of Kilauea volcano, Hawaii. They described pillow lavas as elongate, interconnected flows that are circular in cross-section (Moore, 1975). This photo shows pillow lava forming off the south coast of Kilauea volcano, Hawaii. (Photograph by Gordon Tribble and courtesy of the U.S. Geological Survey)

Page: 1 of 2   Words: 255   90%

Choose Size from the menu, and then select the Alt Text tab.

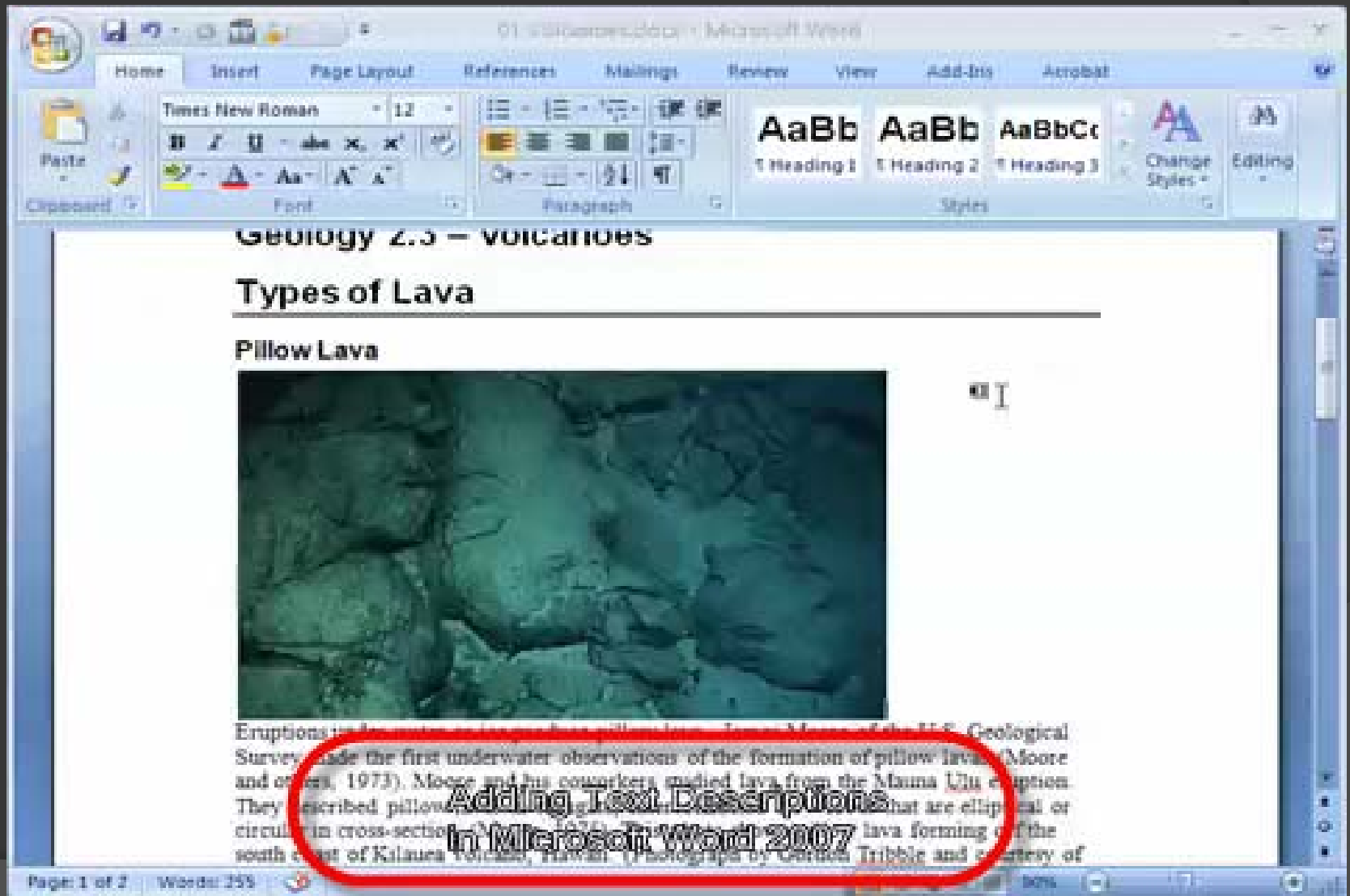
# Display + Overlay

The screenshot shows the Microsoft Word interface with the following elements:

- Title Bar:** 01 Volcanoes.docx - Microsoft Word
- Menu Bar:** Home, Insert, Page Layout, References, Mailings, Review, View, Add-Ins, Acrobat, Format
- Ribbon:** Font (Times New Roman, 12), Paragraph, Styles (AaBb, AaBb, AaBbCc, Heading 1, Heading 2, Heading 3), Change Styles, Editing.
- Document Content:**
  - Section: Geology 2.3 – volcanoes
  - Section: Types of Lava
  - Section: Pillow Lava
  - Image: A photograph of pillow lava rocks.
  - Text: Eruptions under water or ice produce pillow lava. James N. ... Survey made the first underwater observations of the form ... and others, 1973 ... They described pillow lavas as elongate, interconnected ... circular in cross-section ... forming off the south coast of Kilauea volcano, Hawaii. (Photograph by Gordon Tribble and courtesy of ...)
- Context Menu:** Opened over the image, showing options: Cut, Copy, Paste, Edit Picture, Change Picture..., Bring to Front, Send to Back, Hyperlink..., Insert Caption..., Text Wrapping, Size... (highlighted).
- Text Overlay:** "Choose Size from the menu, and then select the Alt Text tab." positioned over the 'Size...' menu item.
- Status Bar:** Page: 1 of 2, Words: 255, 90% zoom, 00:18 / 01:15.



# Display - iPhone




The image shows a screenshot of the Microsoft Word 2007 interface. The document title is "01 - 01000000.docx - Microsoft Word". The ribbon includes tabs for Home, Insert, Page Layout, References, Mailings, Review, View, Add-Ins, and Acrobat. The Home tab is active, showing the Font, Paragraph, and Styles groups. The document content includes the following text:

## Geology 2.5 – VOLCANOES

### Types of Lava

---

#### Pillow Lava



Eruptions in the ocean produce pillow lava. In 1951, Moore of the U.S. Geological Survey made the first underwater observations of the formation of pillow lava (Moore and others, 1973). Moore and his coworkers studied lava from the Mauna Ulu eruption. They described pillow lava as a series of rounded, bulbous shapes that are elliptical or circular in cross-section. The pillow lava forming off the south coast of Kilauea Volcano, Hawaii. (Photograph by Gordon Tribble and courtesy of

A red circle highlights the text "Adding Text Descriptions in Microsoft Word 2007" overlaid on the bottom of the image.

Page: 1 of 2    Words: 355    100%

# Camtasia: Interactivity

- Camtasia's interactivity is more simplistic compared to Captivate
- Callouts (or "hotspots") added to the movie are communicated as "# button" to screen-readers
- Interactive regions only available if creating Flash movies

# Camtasia: Keyboard Support

- ⦿ If using Flash, you can "tab" to the movie controls
- ⦿ Screen-readers do not report the button information for Flash movies
- ⦿ Players embedded into HTML are not responsive to keyboard interactions/assistive technology
  - QuickTime Options  
<http://www.webaim.org/techniques/captions/quicktime/web.php>
  - Windows Media Player Options  
<http://www.webaim.org/techniques/captions/windows/web.php>

# Summary

	<b>Captivate 3</b>	<b>Camtasia Studio 5</b>
<b>Captioning</b>	Use within application  No import option	Use within application  No import option
<b>Hotspots &amp; Interactivity</b>	Limited functionality with screen-readers  Use Buttons with Text	No screen-reader support
<b>Keyboard Support</b>	Can tab to control buttons  Button labels are read by screen-readers	Can tab to control buttons  No screen-reader support

# Resources

- ⦿ High Tech Center Training Unit  
<http://www.htctu.net>
- ⦿ Adobe Captivate  
<http://www.adobe.com/accessibility/products/captivate/>
- ⦿ Camtasia Studio Learning Center  
<http://www.techsmith.com/learn/>
- ⦿ Captioning Key for Educational Media  
<http://www.dcmp.org/captioningkey/>
- ⦿ Described and Captioned Media Program  
<http://www.dcmp.org/About/Info/Articles.aspx>

# THANK YOU

High Tech Center Training Unit for the  
California Community Colleges

<http://www.htctu.net>