

High-level accessibility review – BTAA (Ambrose Video - final)

Primary Point of Contact

Denis Boudreau
Principal Accessibility SME & Training Lead

Deque Systems, Inc.

Web: www.deque.com

Email: denis.boudreau@deque.com

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High-level accessibility review – Ambrose Video

TABLE OF CONTENTS

High-level accessibility review – Ambrose Video.....	2
Ambrose Video.....	3
Summary (top 3 problems for Ambrose Video).....	3
Accessibility findings	3
Project wide issues.....	3
1. Ambrose Video Home page	4
2. Ambrose Video Institutional Access page.....	5
3. Ambrose Video Program/Video page	6

Ambrose Video

Summary (top 3 problems for Ambrose Video)

This assessment covers portions of the Ambrose Video application. The assessment revealed some problems with screen reader compatibility, resulting in screen reader users sometimes missing critical information needed to understand how to operate the features.

1. **Keyboard access inconsistency** – Multiple controls or calls to action in the pages are not made to be operated using only a keyboard. Sighted users who cannot use a mouse, as well as blind screen reader users will be unable to interact with these controls unless they are made to be keyboard compatible.
2. **Alternate modality on visual elements** – Visual elements such as images on the Image Galleries are not provided with meaningful and descriptive alternative text to allow non-sighted users to understand their purpose, what they're about or what they represent. This causes significant concerns to blind users who will therefore be unable to make sense of these visuals.
3. **Headings improperly marked up as headings** – Multiple key heading elements in the page are visually presented as such but are not programmatically identified as headings in the markup. This causes screen reader users to be unable to make sense of the hierarchy of the content as they are going through the pages.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

1. **SC 1.4.3** - Elements in pages must be provided with sufficient color contrast.

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Firefox and Chrome. Details here: <https://www.deque.com/products/axe/>.

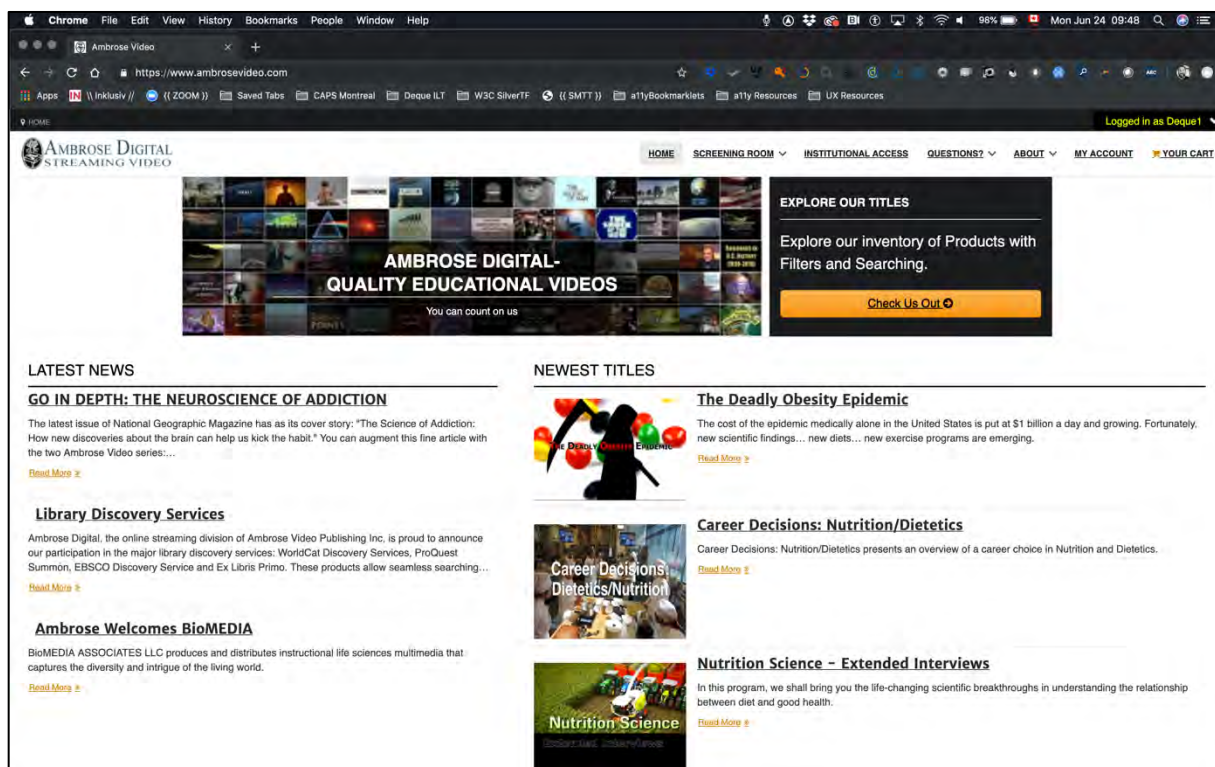
Additional manual findings using NVDA screen reader

1. **SC 1.3.1** – The heading structure of the pages' markup is skipping heading levels.

1. Ambrose Video Home page

Source: <https://www.ambrosevideo.com/>

Test case: Test homepage, including menu options across the top (home, screening room, institutional access, questions, etc.), images, latest news, info in footer etc.



Automated findings using Axe

1. **SC 4.1.2** - Links must have discernible text announced to assistive technologies.

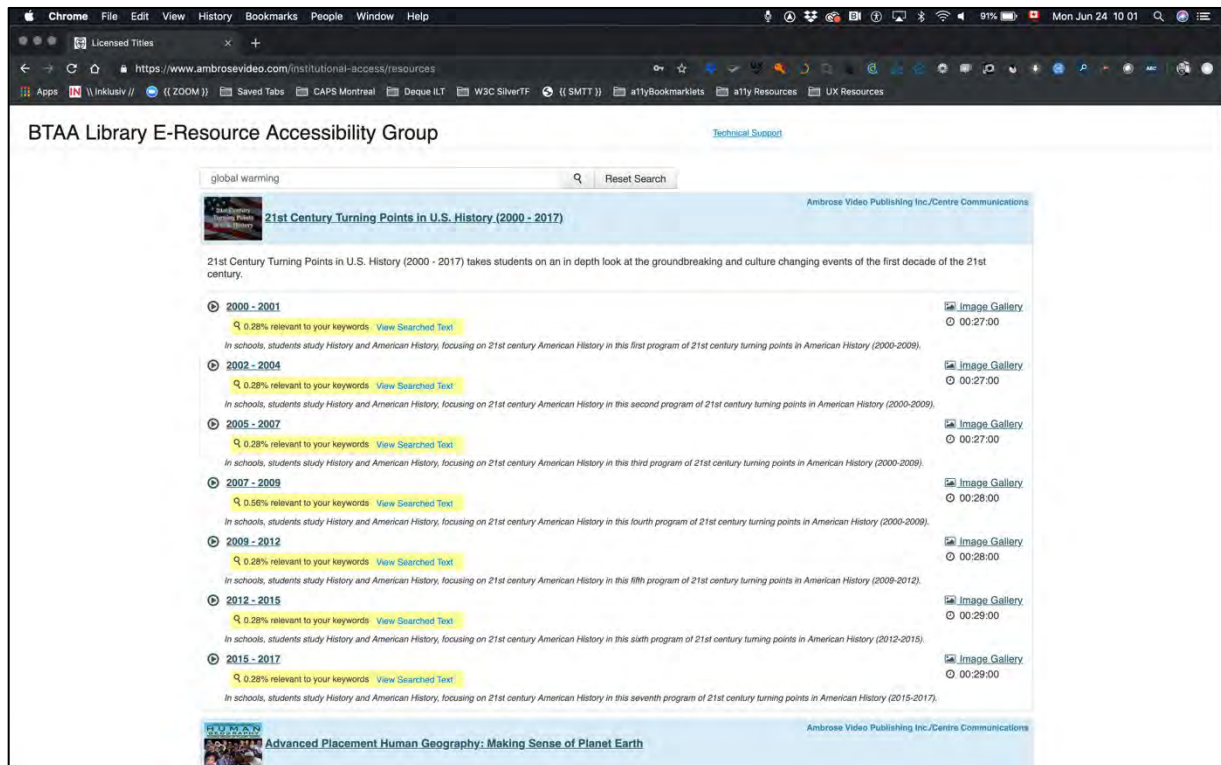
Additional manual findings using NVDA screen reader

1. **SC 1.3.1** – The page lacks a first level heading (maybe on the logo for this page).
2. **SC 2.4.4** – Logo link is not meaningful and relies on alt text to provide context.
3. **SC 2.4.4** – The Read more links do not provide enough meaning and context to be understood.
4. **SC 2.4.7** – There is no visible focus indicator for anyone sighted, navigating using the keyboard.
5. **SC 4.1.2** – The state of the panel (collapsed or expanded) is not conveyed to screen reader users.
6. **SC 4.1.2** – The login panel content is skipped over by screen readers once expanded.
7. **SC 4.1.2** – The presence of the panel to log out is left unannounced to screen reader users.
8. **SC 4.1.2** – The main navigation lacks semantics for NVDA users to understand its structure.
9. **SC 4.1.2** – The carousel interaction is confusing, as it is left unannounced to screen reader users.

2. Ambrose Video Institutional Access page

Source: <https://www.ambrosevideo.com/institutional-access>

Test case: Test the Institutional Access page (list of titles). Search for: “global warming” & evaluate search results page.



Automated findings using Axe

1. **SC 4.1.1** – ID attribute values must be unique within a single page.

Additional manual findings using NVDA screen reader

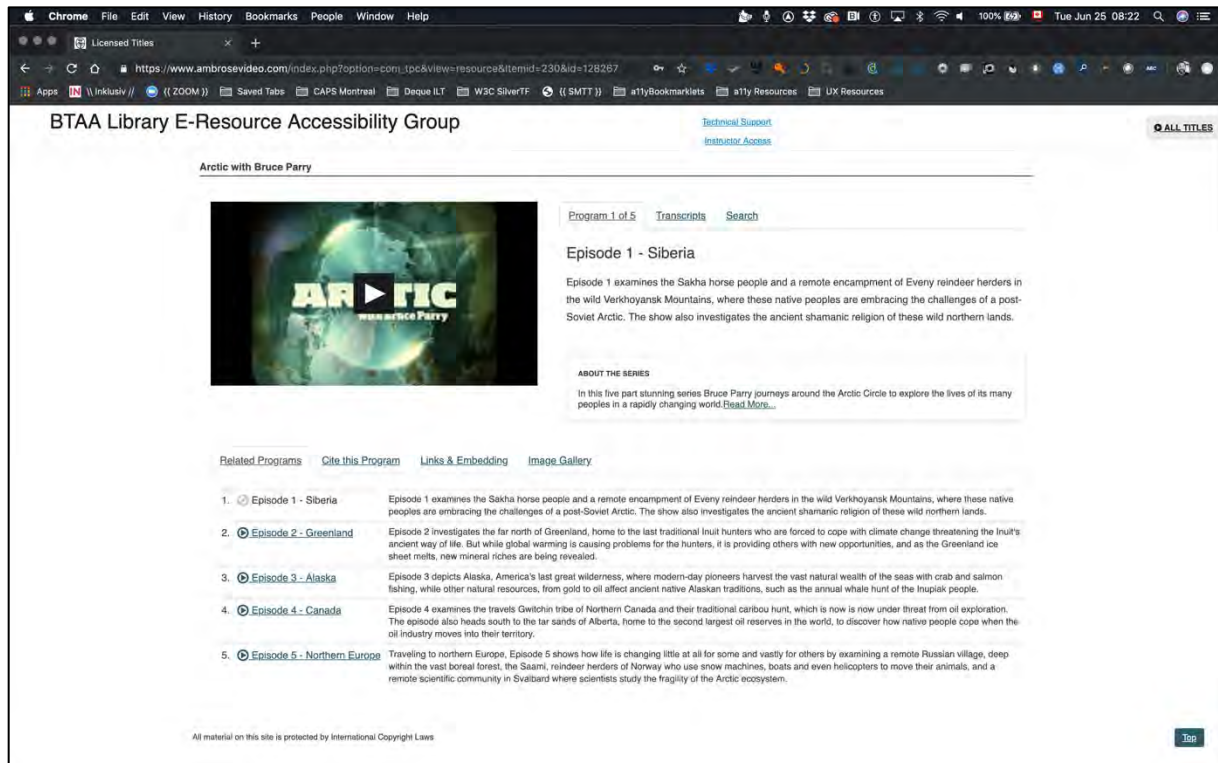
1. **SC 1.3.1** – The main page visual heading at the very top is not marked up as a heading.
2. **SC 1.3.1** – The sections should be assigned list markup to facilitate navigation and wayfinding.
3. **SC 1.3.2** – The Image Gallery links come before the announcement of the main resource.
4. **SC 2.1.1** – The View Searched Text links aren't focusable and require the use of a mouse.
5. **SC 2.1.1** – The content of the View Searched Text modals can't be triggered with NVDA.
6. **SC 2.4.3** – The keyboard focus is not moved to the View Searched Text modal once displayed.
7. **SC 2.4.3** – The keyboard focus is not managed when the Back to Top button is triggered.
8. **SC 2.4.4** – The Image Gallery links lack context and are not meaningful to NVDA users.
9. **SC 2.4.4** – The View Searched Text links lack context and are not meaningful to NVDA users.
10. **SC 4.1.2** – The state of sections (collapsed/expanded) are not conveyed to screen reader users.

3. Ambrose Video Program/Video page

Source:

https://www.ambrosevideo.com/index.php?option=com_tpc&view=resource&Itemid=230&id=128267

Test case: Test program/video page (Arctic with Bruce Perry – BBC) Can Program, Transcript, and Search options be tabbed through? Is the video player accessible? Does the video have captions/transcript? Is the image gallery on these pages accessible? (**NOTE:** slight change in URL params, so the video would load).



Automated findings using Axe

1. **SC 1.3.1** – Tab roles are missing in the WAI-ARIA tab interface implementations (both).
2. **SC 4.1.1** – ID attribute values must be unique within a single page.

Additional manual findings using NVDA screen reader

1. **SC 1.1.1** – The thumbnail in the “Image Gallery” section are not assigned meaningful alt text.
2. **SC 1.1.1** – The images in the “Image Gallery” carousel are not assigned meaningful alt text.
3. **SC 1.3.1** – The main page visual heading at the very top is not marked up as a heading.
4. **SC 1.3.1** – The Arctic with Bruce Perry visual heading is not marked up as such.
5. **SC 1.3.1** – The “These images may be downloaded” visual heading is not marked up as such.
6. **SC 1.3.1** – The Matching captions visual heading under “Search” is not marked up as such.
7. **SC 2.1.1** – The media player cannot be launched using only the keyboard.
8. **SC 2.1.1** – The media player controls can’t be operated using only the keyboard.
9. **SC 2.1.1** – The links to position markers in the transcript are not keyboard accessible.
10. **SC 2.1.1** – The “Clear” button next to the transcripts search box is not keyboard accessible.

11. **SC 2.1.1** – The “Copy to clipboard” buttons are not accessible to sighted keyboard users.
12. **SC 2.1.1** – The “Search” and “Clear” buttons under the Search tab are not keyboard accessible.
13. **SC 2.1.1** – The pagination links under “Image Gallery” are not keyboard accessible.
14. **SC 2.1.1** – The Close button in the Image Gallery carousel is not keyboard accessible.
15. **SC 2.4.3** – The keyboard focus is not moved to the media player when markers are triggered.
16. **SC 2.4.4** – The “Read more” link lacks context and is not meaningful to NVDA users.
17. **SC 2.4.4** – The “Copy to clipboard” button text lacks context and meaning for NVDA users.
18. **SC 2.4.4** – The Close button text in the Image Gallery carousel is not meaningful to NVDA users.
19. **SC 2.4.4** – The Next and Previous button text in the Image Gallery carousel is not meaningful.
20. **SC 2.4.4** – The Play/Pause button text in the Image Gallery carousel isn’t conveyed to NVDA.
21. **SC 2.4.6** – Heading text in the Image Gallery carousel is not meaningful nor descriptive.
22. **SC 4.1.2** – The media player controls can’t be operated using a screen reader.
23. **SC 4.1.2** – The tablist/tabpanel structures are not conveyed as such to screen reader users.
24. **SC 4.1.2** – Switching from one tabpanel to the next is not announced to screen reader users.
25. **SC 4.1.2** – The whole Transcripts tabpanel repeatedly crashes the experience for screen readers.
26. **SC 4.1.2** – The changes in images in the carousel are not conveyed to screen reader users.