

High-level accessibility review – EBSCO eBooks - Library Accessibility Alliance

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EBSCO eBooks

Summary:

Top 3 problems for the EBSCO

This high-level assessment covers limited portions and functionality of the EBSCO. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states, and operate functions. It is important to keep in mind that the findings represent a high-level assessment and do not reflect the results of a Deque Comprehensive Web Assessment. The following are the top 3 issues from this evaluation.


- **Focus Indicator:** Keyboard focus indicator does not have a minimum contrast of 3:1.
- **Keyboard Navigation:** Drop-down items are not accessible using keyboard and NVDA.
- **Descriptive Labels:** Multiple input fields and drop-downs have the same programmatic labels.

Accessibility findings

1. Initial Interface/Landing Page (Previous evaluation)

Source: <https://www.libraryaccessibility.org/evaluation/ebSCO-ebooks>

Test case: Test the initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.



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EBSCO eBooks

Summary

The pages in this flow return few issues from an automated testing perspective, but will still present significant problems for screen reader users, especially once users get down the consulting the resources themselves. Some of the most significant issues found during this testing include:

Top 3 Issues:

1. challenges raised to consult an ebook resource using NVDA,
2. objects not being accessible to keyboard only users, and
3. keyboard focus not being managed in a way that facilitates wayfinding for screen readers.

58%

WCAG Criteria Compliance

[View List of WCAG Criteria with Conformance Issues](#)

4/21/2017

Download Report

[EBSCO eBooks 2017 \(pdf\)](#)

Vendor

EBSCO

Vendor Response

[EBSCO Response 2021 \(pdf\)](#)

Vendor Response

[EBSCO Response 2017 \(pdf\)](#)

Date of Evaluation

04/21/2017

Testing Partner

Deque

WCAG Version

2.0

Report ID: 27

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Automated findings using Axe

- **SC 1.4.1.b – Link Color Contrast**

The link text does not have a minimum contrast of 3:1 with the surrounding text.

EBSCO

Vendor Response

[EBSCO Response 2021 \(pdf\)](#)

Vendor Response

[EBSCO Response 2017 \(pdf\)](#)

Date of Evaluation

04/21/2017

Testing Partner

Deque

WCAG Version

2.0

Report ID: 27

1. challenges raised to consult an ebook resource using NVDA,

2. objects not being accessible to keyboard only users, and

3. keyboard focus not being managed in a way that facilitates wayfinding for screen readers.

4/21/2017

369, 13 x 15

Role Accessible Text link Creative Commons Attribution Non-Commercial 4.0 license

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Total Issues: 1

[Links must be distinguishable without relying on color](#)

[Highlight](#) [Share Issue](#)

Ensure links are distinguished from surrounding text in a way that does not rely on color

[more information](#)

Element Location: `a[target="_blank"]`

```
<a href="https://us1.defense.com/v3/_https://creativecommons.org/licenses/by-nc/4.0/_/11023f1g1svomeExX0uP2U0Kc39R0Z1_RHlGgsExRfEcEFTxLqLX8F02gPew3b3GfHotJUS" data-saferedirecturl="https://www.google.com/url?https://us1.defense.com/v3/_https://creativecommons.org/licenses/by-nc/4.0/_/11023f1g1svomeExX0uP2U0Kc39R0Z1_RHlGgsExRfEcEFTxLqLX8F02gPew3b3GfHotJUS&source=genl&ust=162946715359800&sig=AFQjCNGfpiRLCapr5d0g70h3pYx0DQ" target="_blank">
```

To solve this problem, you need to fix at least (1) of the following:

- The link has insufficient color contrast of 2.15:1 with the surrounding text. (Minimum contrast is 3:1, link text: #0262f2, surrounding text: #3b3b3b)
- The link has no styling (such as underline) to distinguish it from the surrounding text

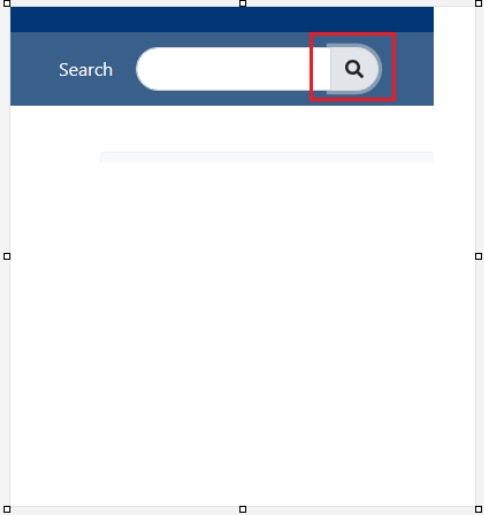
Related Nodes

<p> </p>

<p> </p>

Additional manual findings

- **SC 1.4.11.b Non-Text Contrast – States of User Interface Components:**
The focus indicator does not have a minimum contrast of 3:1 against the background.



The screenshot shows a search bar with a blue background and a white search input field. A red box highlights the search button, which has a magnifying glass icon. The search bar is part of a larger interface with a light gray background.

Foreground Color

Hex: RGB: Color: Name:

Adjust Lightness : 100%

Background Color

Hex: RGB: Color: Name:

Adjust Lightness : 50%

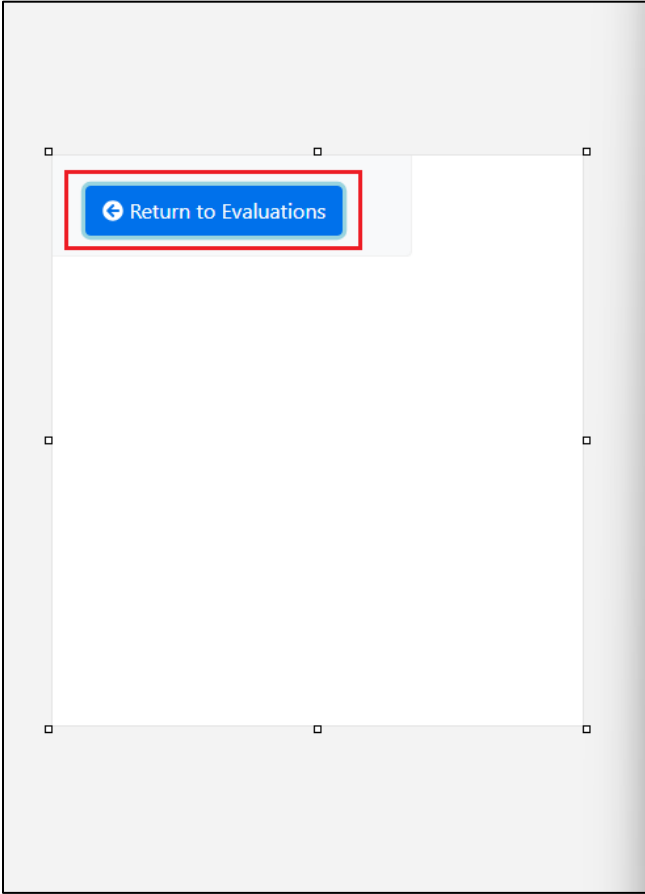
Result

Small sample text.
Large sample text.


Contrast Ratio = 2.34:1

WCAG Standard	Small Text	Large Text, UI Components, & Graphical Objects
AA	FAIL	FAIL
AAA	FAIL	FAIL

- **SC 1.4.11.b Non-Text Contrast – States of User Interface Components:**
The focus indicator does not have a minimum contrast of 3:1 against the background.




Foreground Color

Hex: #99D4Df RGB: 153, 212, 2 Color:  Name:

Adjust Lightness : 100%

Background Color

Hex: #F8F9FA RGB: 248, 249, 2 Color:  Name:

Adjust Lightness : 50%

Result

Small sample text.

Large sample text.

Contrast Ratio = 1.55:1

WCAG Standard	Small Text	Large Text, UI Components, & Graphical Objects
AA	FAIL	FAIL
AAA	FAIL	FAIL

- **SC 1.4.11.b Non-Text Contrast – States of User Interface Components:**
The focus indicator does not have a minimum contrast of 3:1 against the background.

The screenshot shows a web accessibility tool interface. On the left, a button with the text "View List of WCAG Criteria with Conformance Issues" is highlighted with a red rectangle. On the right, the tool's analysis panel is visible, showing color contrast settings and a result table.

Foreground Color

Hex: #BDC1C1 RGB: 189, 193, 1 Color: [Color swatch] Name: [Dropdown menu]

Adjust Lightness : 100%

Background Color

Hex: #F8F9FA RGB: 248, 249, 2 Color: [Color swatch] Name: [Dropdown menu]

Adjust Lightness : 50%

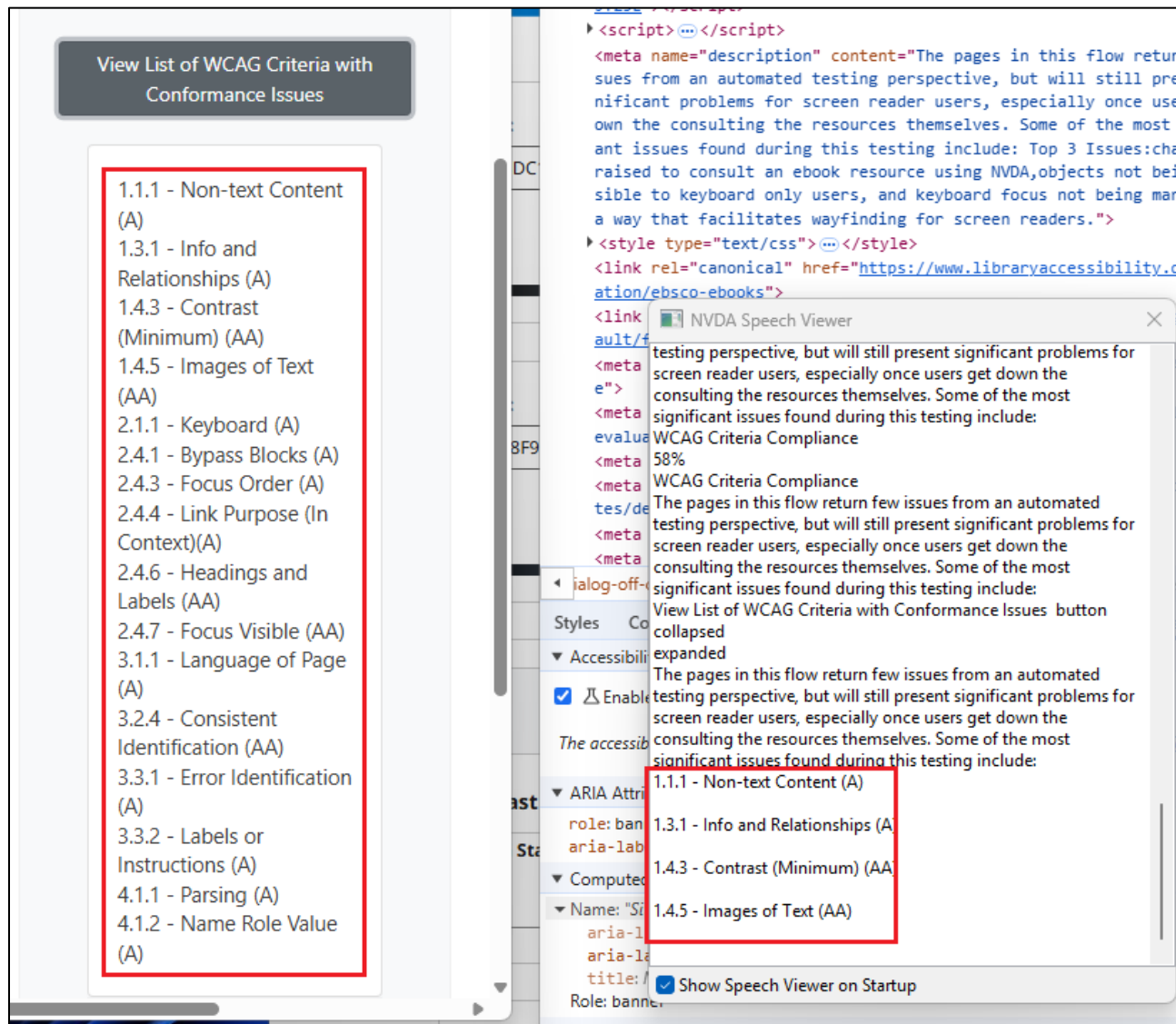
Result

Small sample text.
Large sample text.

Contrast Ratio = 1.71 : 1

WCAG Standard	Small Text	Large Text, UI Components, & Graphical Objects
AA	FAIL	FAIL
AAA	FAIL	FAIL

- SC 1.3.1.f Lists:**
 The visual list under “View List of WCAG Criteria with Conformance Issues” is not marked up as a list.

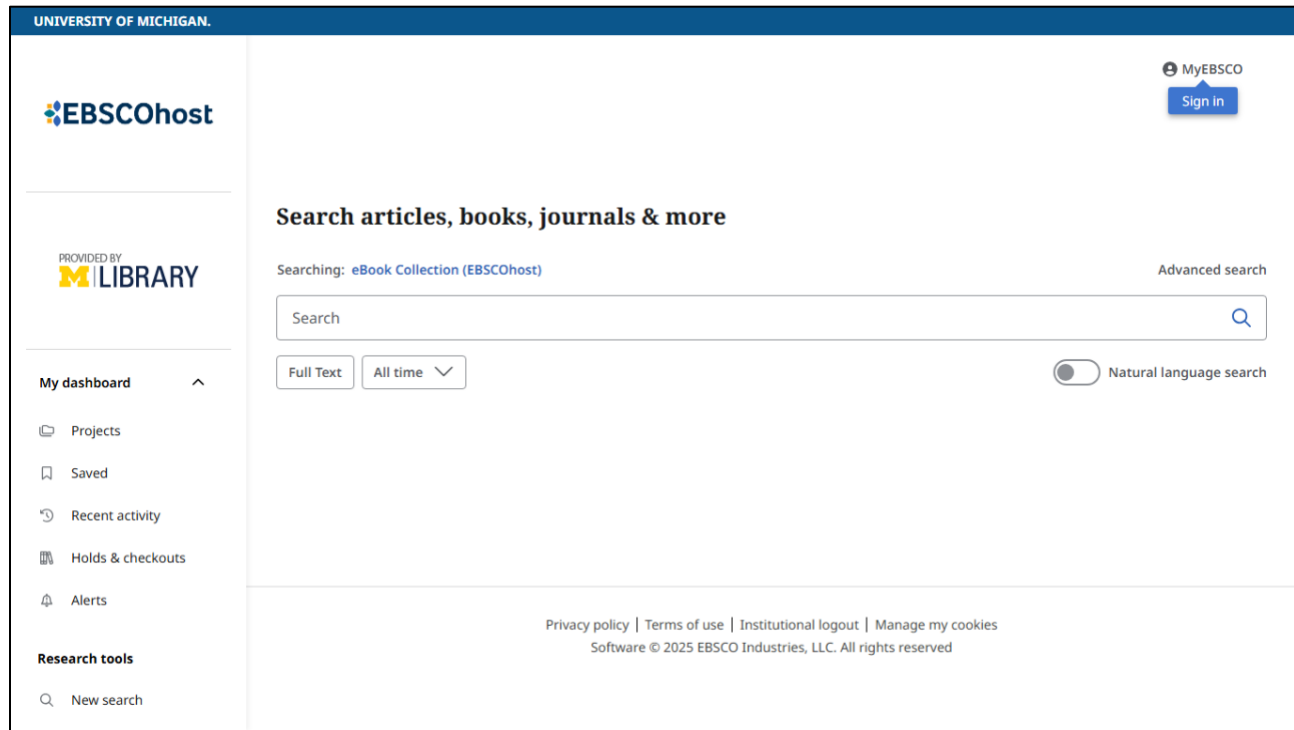


2. Initial Interface/Landing Page

Source: <https://research-ebSCO-com.proxy.lib.umich.edu/c/mqk2bj/search>

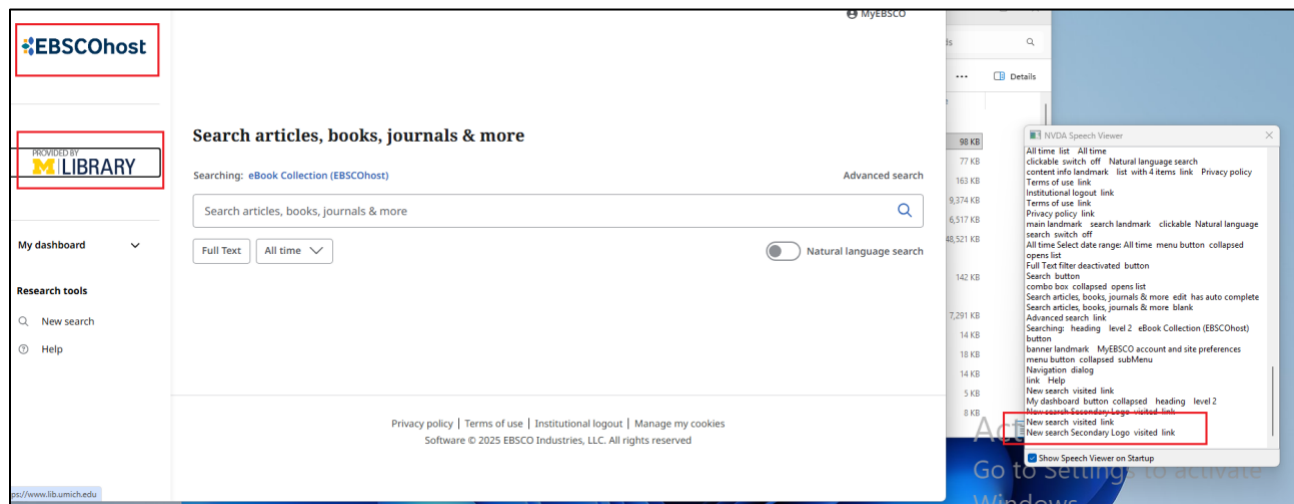
Test case: Test the initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.

Automated findings using Axe: None

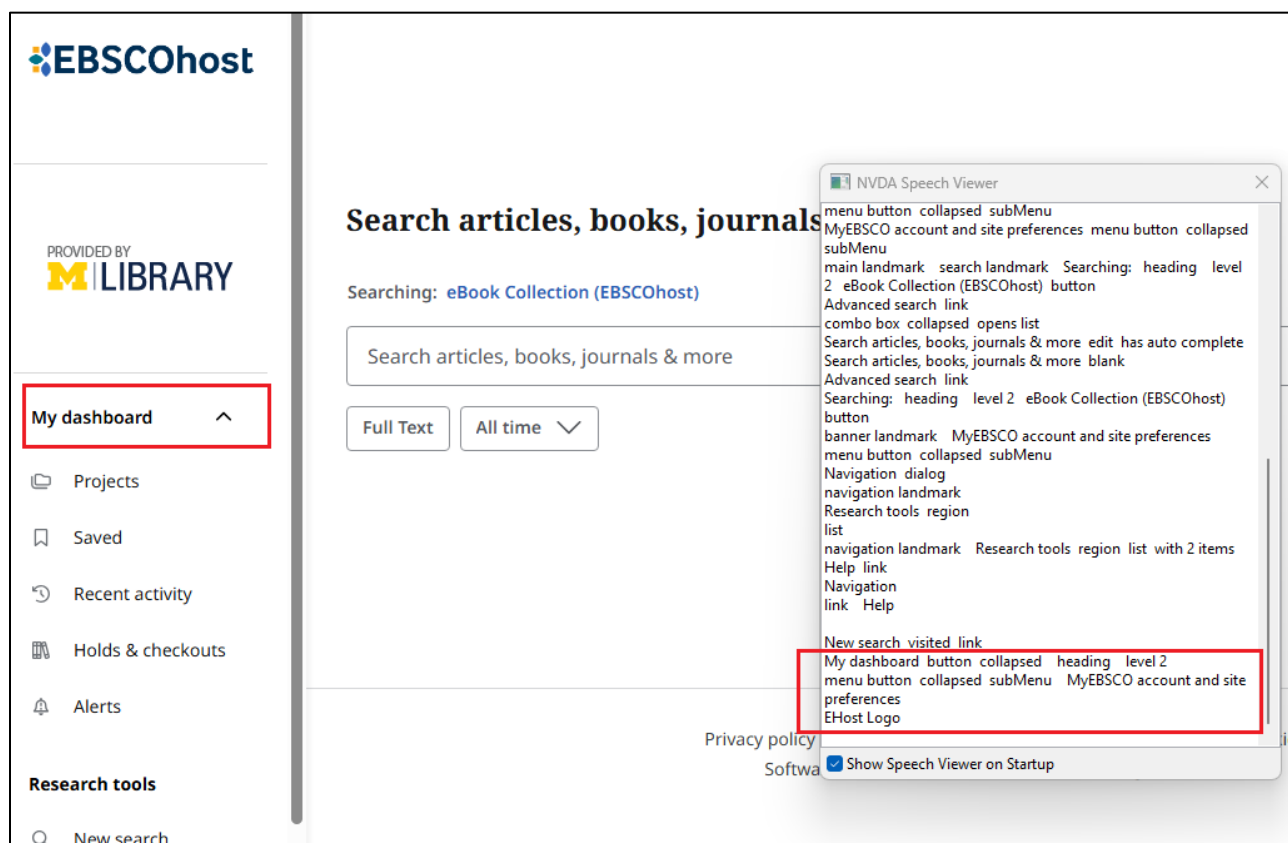


Additional manual findings

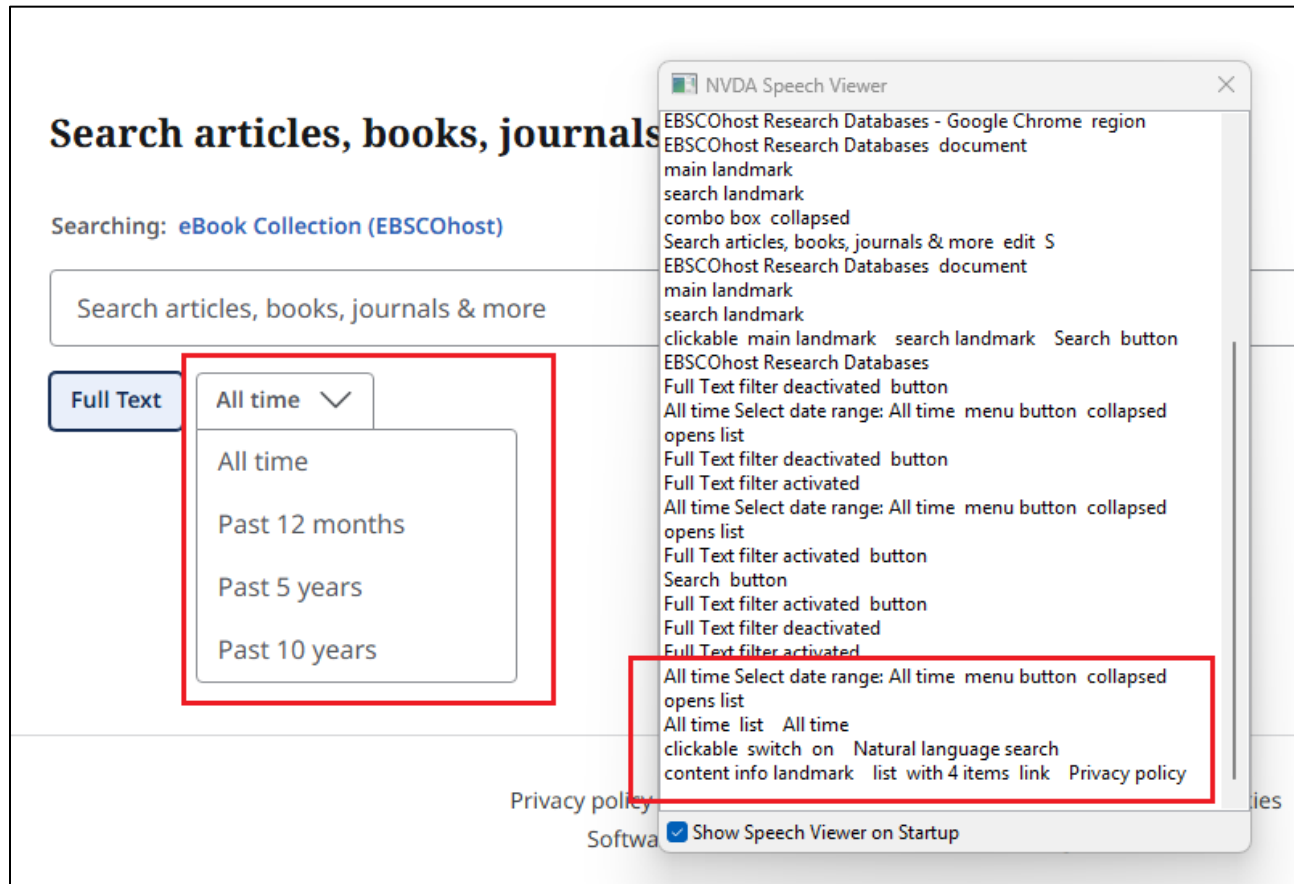
- **SC 2.4.4.a Link Purpose (In Context):**
Names for links do not describe their purpose. NVDA announces “New search link” and “New search secondary link”, respectively.



- **SC 3.2.2.a Context Changes (In Input):**
Focus does not remain on the “My dashboard” button after activating that.



- **SC 2.1.1.a Keyboard Navigation:**
With NVDA, keyboard users cannot select the drop-down items.

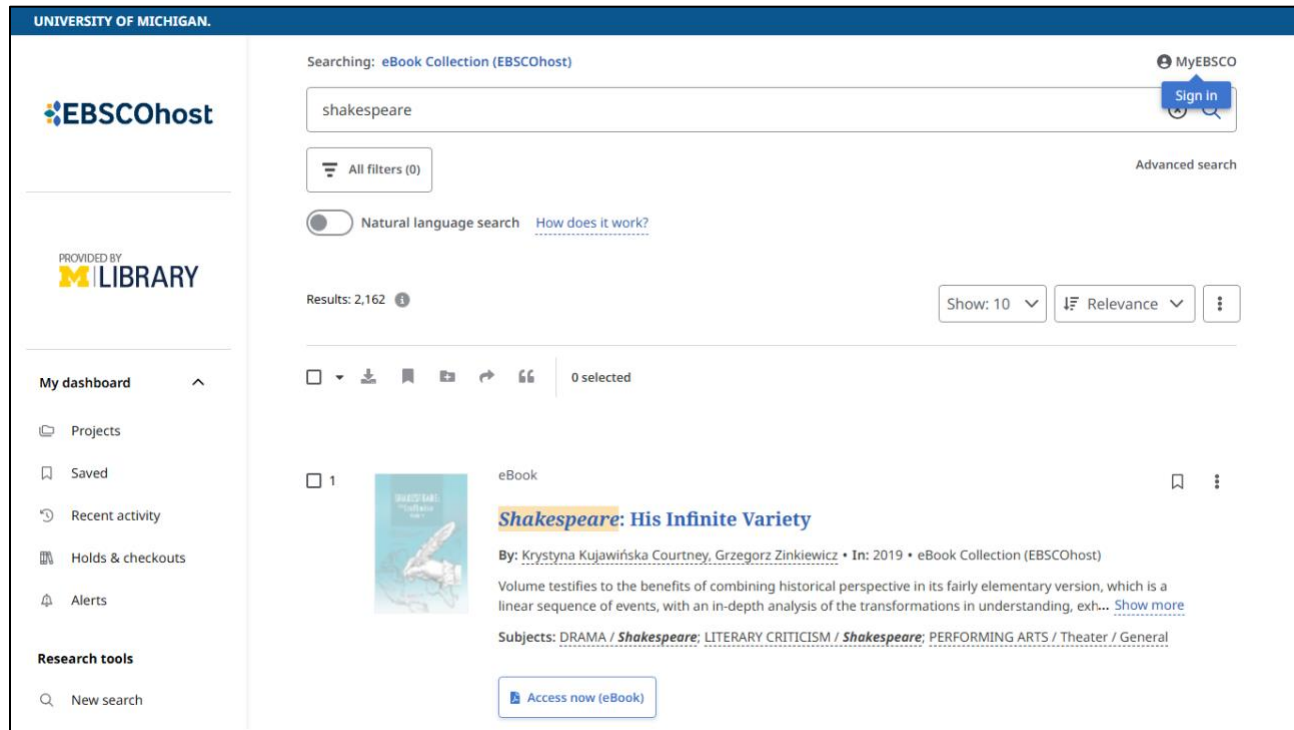


3. Search results Page

Source: <https://research-ebSCO-com.proxy.lib.umich.edu/c/mqk2bj/search/results?q=shakespeare&autocorrect=y&db=nlebk&limiters=None&searchMode=boolean&searchSegment=all-results&sqlId=sq%3A4e27aaed-f9d9-40e1-905e-25b2bd976077>

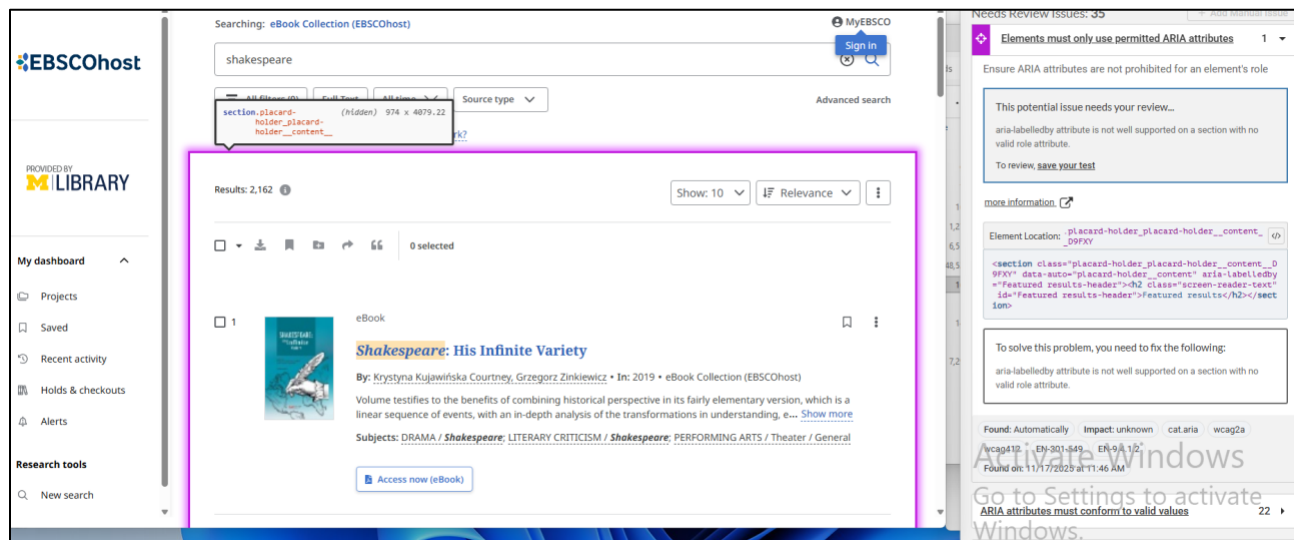
Test case:

- From the initial landing page, search for: "Shakespeare."
- Test search results page, including filters/refine search (publication date, subject, category) and sort by options.



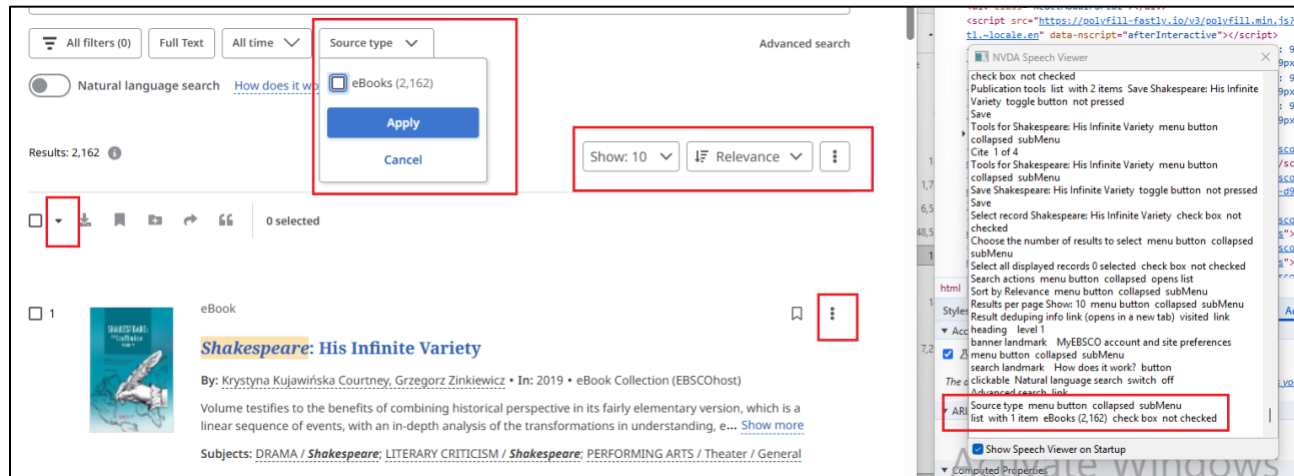
Automated findings using Axe:

- **SC 4.1.2.b – Custom Controls**
aria-labelledby attribute is not well supported on a section with no valid role attribute.

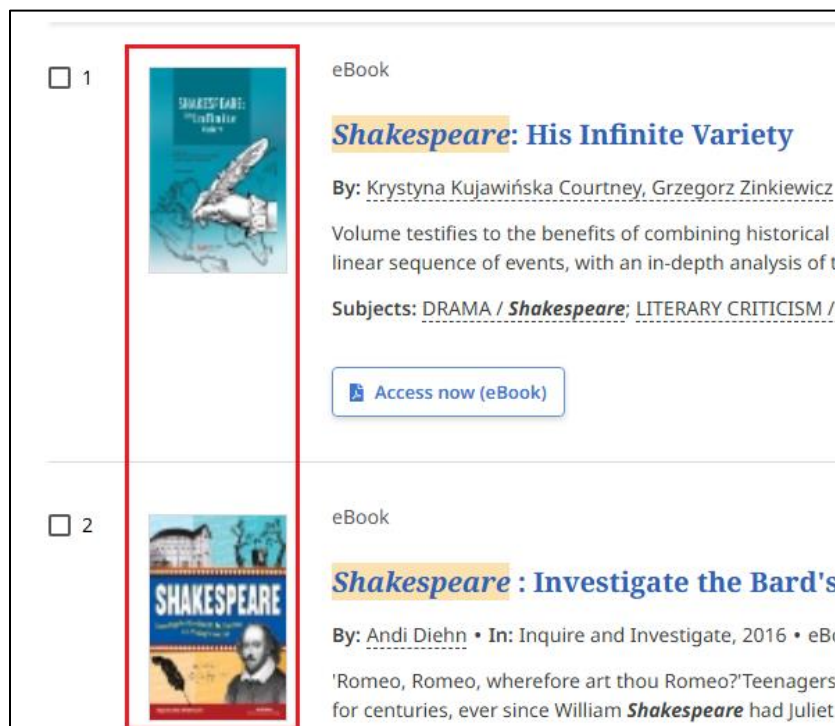


Additional manual findings

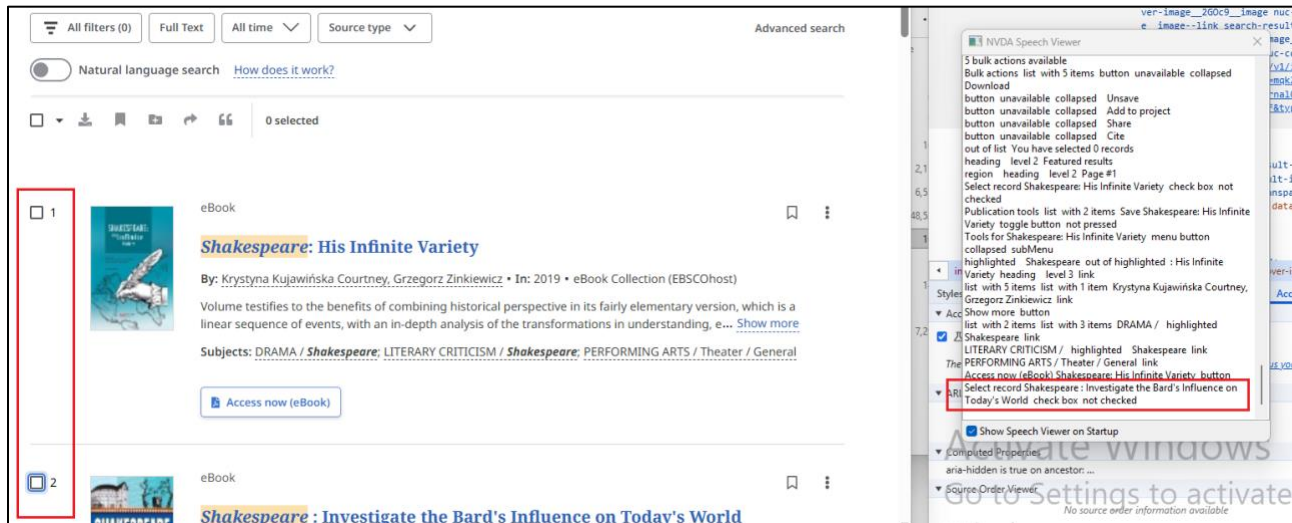
- **SC 4.1.2.a Name, Role, Value:**
Expanded state not announced by NVDA after activating.



- **SC 1.1.1.d Alternative Text (Decorative Images):**
Alt="" (null) not defined for decorative images.



- **SC 2.5.3.a Label in Name:**
Check box visible label is not announced in name. NVDA announces as "Select record Shakespeare: <book name> check box not checked" but does not announce "2".

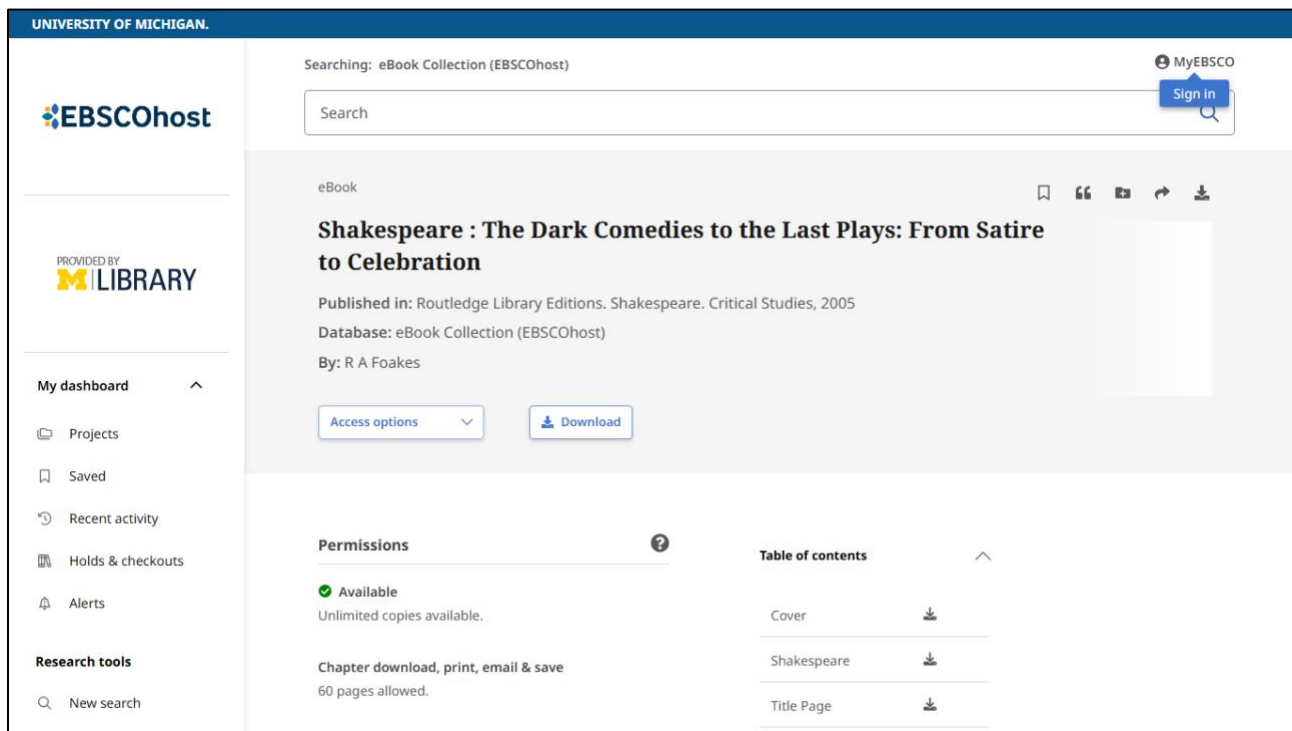


4. Individual Search Result landing Page

Source: <https://research-ebSCO-com.proxy.lib.umich.edu/c/mqk2bj/search/details/ysjfwzm6uf>

Test case:

- Test individual search result landing page ("[Shakespeare: The Dark Comedies to the Last Plays: From Satire to Celebration](#)") & test actual document (PDF, video, etc.).



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EBSCOhost

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M LIBRARY

My dashboard ^

- Projects
- Saved
- Recent activity
- Holds & checkouts
- Alerts

Research tools

- New search
- Help

Searching: eBook Collection (EBSCOhost)

Search articles, books, journals & more

MyEBSCO
Sign In

Publication Information
London : Routledge, 2005

Resource Type
eBook.

Subjects
[PR2976](#)

Categories
[LITERARY CRITICISM / General](#)
[LITERARY CRITICISM / Poetry](#)
[LITERARY CRITICISM / Shakespeare](#)

Related ISBNs
9780415352871, 9781136560972, 9781136561047, 9781315018386.

OCLC
862114664

Accession Number

Automated findings using Axe: None

Additional Manual Findings:

- **SC 4.1.2.1 – Name, Role, Value**
The expanded state is not announced after activating the drop-down.

The screenshot shows an eBook interface. At the top, it says 'eBook'. The title is 'Shakespeare : The Dark Comedies to the Last Plays: From Satire to Celebration'. Below the title, it says 'Published in: Routledge Library Editions. Shakespeare. Critical Studies, 2005', 'Database: eBook Collection (EBSCOhost)', and 'By: R A Foakes'. There are two buttons: 'Access options' (with a dropdown arrow) and 'Download'. The 'Access options' dropdown is open, showing 'PDF full text' and 'EPUB full text'. Below this is a 'Permissions' section with a green checkmark and the word 'Available', followed by 'Unlimited copies available.' and 'Chapter download, print, email & save' with '60 pages allowed.' and 'Full eBook download' with 'Available - requires Adobe Digital Editions to read eBook.' An NVDA Speech Viewer window is overlaid on the right side, showing a list of elements including 'Cite', 'Add to project button', 'NVDA Speech Viewer', 'Show Speech Viewer on Startup check box checked Alt+ s', 'Routledge Library Editions. Shakespeare. Critical Studies', 'Shakespeare : The Dark Comedies to the Last Plays: From Satire to Celebration - Record details - EBSCOhost Research Databases - Google Chrome window', 'Shakespeare : The Dark Comedies to the Last Plays: From Satire to Celebration - Record details - EBSCOhost Research Databases document', 'button Add to project', 'Save Shakespeare : The Dark Comedies to the Last Plays: From Satire to Celebration toggle button not pressed Save', 'Cite button', 'Cite', 'Add to project button', 'Add to project', 'Share button', 'Share', 'Download button', 'Download', 'Access options Access options menu button collapsed subMenu', and 'PDF full text 1 of 2'. The 'Download' and 'Access options' elements are highlighted with a red box. At the bottom of the NVDA window, there is a checkbox labeled 'Show Speech Viewer on Startup' which is checked.

5. Advanced Search Page

Source: <https://research-ebSCO-com.proxy.lib.umich.edu/c/mqk2bj/search/advanced/filters>

Test case:

- Test the advanced search page

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EBSCOhost

My dashboard

- Projects
- Saved
- Recent activity
- Holds & checkouts
- Alerts

Research tools

- New search
- Help

Search articles, books, journals & more

Searching: eBook Collection (EBSCOhost)

Basic search

AND AND AND

Full Text
Download Available
Exclude Abridged Titles
EPUB eBooks

Publication Date

Clear all Search

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EBSCOhost

My dashboard

- Projects
- Saved
- Recent activity
- Holds & checkouts
- Alerts

Research tools

- New search
- Help

Publication Date

Author

Title

Publisher

Language

ISBN

Clear all

Automated findings using Axe: None

Additional Manual Findings:

- **SC 2.4.6.b Descriptive Labels**
Multiple fields have the same programmatic labels.

The screenshot displays the EBSCO search interface. The main search bar is labeled "Searching: eBook Collection (EBSCOhost)". Below it, there are three rows of search filters, each with a dropdown menu set to "All fields". To the right, there is a "Basic search" section with a "Search" button. Below the search bar, there are options to "Add row" and "Delete row". Further down, there are "Filters" and "Search options" tabs. Under "Limit your results", there are checkboxes for "Full Text" and "Download Available". An NVDA speech viewer is open on the right side of the screen, displaying a list of search results with various accessibility-related text.

- **SC 2.4.6.b Descriptive Labels**

Multiple fields have the same programmatic labels. Both Start date and End dates have aria-label as "MM/DD/YYYY"

The screenshot displays the EBSCO search interface. The main search bar is labeled "Searching: eBook Collection (EBSCOhost)". Below it, there are three rows of search filters, each with a dropdown menu set to "All fields". To the right, there is a "Basic search" section with a "Search" button. Below the search bar, there are options to "Add row" and "Delete row". Further down, there are "Filters" and "Search options" tabs. Under "Limit your results", there are checkboxes for "Full Text" and "Download Available". An NVDA speech viewer is open on the right side of the screen, displaying a list of search results with various accessibility-related text.