

High-level accessibility review – LAA (ProQuest US Newsstream Platform)

Primary Point of Contact

John Truong
Project Manager

Deque Systems, Inc.

Web: www.deque.com

Email: john.truong@deque.com

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ProQuest US Newsstream Platform

Summary

Top 3 problems for the ProQuest US Newsstream Platform

This high-level assessment covers limited portions and functionality of the ProQuest US Newsstream Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing some 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.

1. **Keyboard** – A handful of issues exist with the ability to operate certain functions or controls with a keyboard alone. When keyboard operability issues exist, this impacts many users of Assistive Technology, such as screen reader users.
2. **Contrast** – While contrast issues for regular text are few, there are a number of issues with contrast for focus indicators and for informative non-text content. This negatively affects low-vision users.
3. **Name Role Value** – Many issues with required roles and attribute affect several elements and controls throughout the reviewed pages. Also, issues with attributes that are misused are also prevalent.

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

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

1. **SC 4.1.1 A** – The page contains elements that have been given IDs that are duplicated. Duplicated IDs include: about-link, gaMRSignIn, gaMRCreateAccountPage, exitProQuestLink, gaMRLanguage, gaHelpSupportLink, gaHelpTrainingLink, researchSkillsLink, gaHelpContactLink, gaHelpTrialsLink, imageCreditsLink, createProfileLink, modal-footer-ux, quick-search-trigger, emailAddress
2. **SC 4.1.2 A** – An empty span element in the header contains an aria-label attribute that is not valid for the non-semantic element that it is applied to

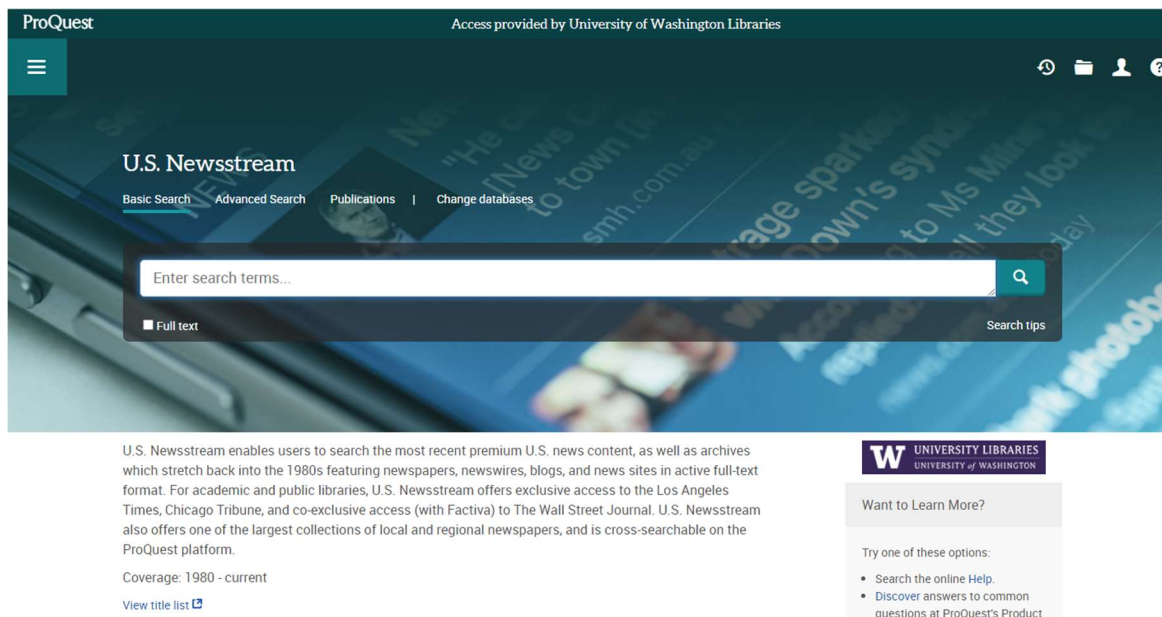
Additional manual findings using NVDA screen reader

1. **SC 4.1.2 A** – ‘My research and language selection’ and ‘Help and support’ do not programmatically indicate they contain submenus
2. **SC 4.1.2 A** – The ‘Toggle Navigation’ control does not programmatically indicate its open/closed state
3. **SC 2.4.7 AA** – The ‘Sponsored by the University of Washington Libraries’ links are missing a clearly visible focus indicator when they receive focus
4. **SC 1.1.1 A** – The ‘ProQuest’ logo image in the footer is missing vital information in its alternative description. The “Part of Clarivate” content is visually available but not programmatically available
5. **SC 1.4.11 AA** – The pink #D71EF7 focus indicator is low in contrast on the footer. A 2.32:1 contrast ratio is measured where a minimum of 3:1 contrast is expected
6. **SC 1.4.11 AA** – The pink #D71EF7 focus indicator is low in contrast on the top page banner. A 2.91:1 contrast ratio is measured where a minimum of 3:1 contrast is expected

1. Landing Page

Source: <https://www.proquest.com/usnews/news/fromBasicHomePage?accountid=14784>

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



Automated findings using Axe

1. **SC 4.1.1 A** – The page contains elements that have been given IDs that are duplicated. Duplicated IDs include: advancedsearch, databasePageLink

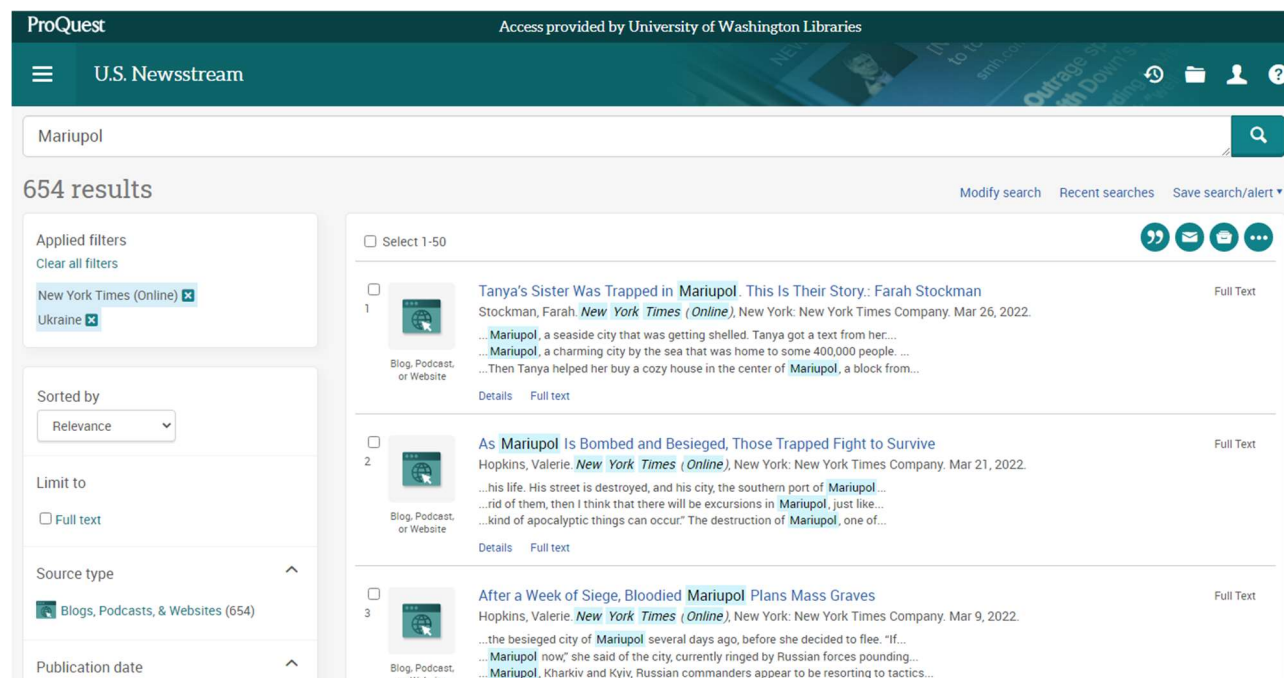
Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The “Enter search terms...” placeholder content in the input field is low in contrast. A contrast ratio of 4.47:1 was found where a ratio of at least 4.5:1 is expected
2. **SC 1.4.1 A** – Links that are present within text e.g. “Search the online Help”, where “Help” is a link, are only visually identified as links through a change in color, where the color difference is insufficient in contrast and there is no other visual indicator to differentiate between link text and non-link text
3. **SC 1.4.10 AA** – When a reflow viewport 320px wide is applied, most of the expanded tooltip content on the page is clipped.
4. **SC 4.1.2 A** – The ‘Basic Search’ item is visually identified as the current link but is not programmatically identified
5. **SC 2.1.1 A** – A keyboard only user cannot trigger any tooltip
6. **SC 4.1.2 A** – All tooltips are missing an appropriate tooltip role, to assist the content to be semantically identified and available to Assistive Technology
7. **SC 1.3.2 A** – Opened tooltip content is added to end of page, and a screen reader user is unable to navigate to the opened content without it becoming closed
8. **SC 1.3.1 A** – Headings within opened tooltips are not semantically identified or marked up
9. **SC 1.4.11 AA** – The ‘X’ close control in open tooltip windows are low in contrast. A 1.61:1 contrast ratio is measured when a 3:1 ratio is expected.
10. **SC 2.4.7 AA** – The ‘Sponsored by the University of Washington Libraries’ link does not receive a clearly visible focus indicator when the link receives focus
11. **SC 1.4.11 AA** – The pink #D71EF7 focus indicator is low in contrast against the dark areas in the top “U.S. Newsstream” section. A contrast ratio range of 2.28:1 to 2.74:1 was measured where a minimum of 3:1 contrast ratio is expected for all focus indicators.

2. Search Results

Source: <https://www.proquest.com/usnews/results/AA3AD38429564D48PQ/1?accountid=14784>

Test case: From the initial interface, perform a search for: Mariupol. Test results page, including Filter and sort by options. Limit Publication Title to New York Times (Online). Limit Location to Ukraine.



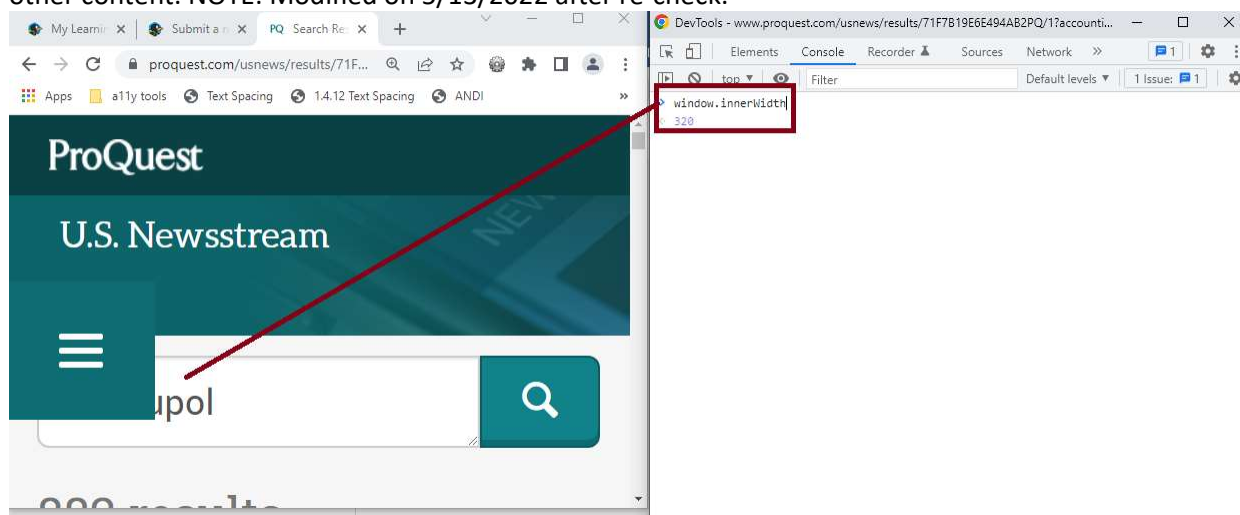
Automated findings using Axe

1. **SC 4.1.1 A** – The page contains elements that have been given IDs that are duplicated. Duplicated IDs include: citethisLink, toolBarEmailLink, saveToMyResearchLinkIcon, allSaveOptionsLink, allSaveOptionsHiddenLink, citationSourceTypeIconLink, citationDocTitleLink, addFlashPageParameterformat_citation, addFlashPageParameterformat_fulltext, selectMore, filter_locationAll, myModalLabel_mr_noSelectedItems, finalElement, hiddenAnchorEndEl, reachLimit_warning_close, use-tools, saveAsEmailOverlayZone, saveToMyResearchZone, allSaveOptionsZone, saveasZone, mr_noSelectedItems, noSelectedItemUseToolsPopover, format-display, pagerZone, filteredGroup, filter_objecttype,
2. **SC 4.1.2 A** – An empty span element in the Limit to area contains an aria-label attribute that is not valid for the non-semantic element that it is applied to
3. **SC 4.1.2 A** – The Update control within the 'Publication date' section is included in the natural tab order, but is programmatically hidden through the use of aria-hidden
4. **SC 1.4.3 AA** – The "First" content in the pagination area is low in contrast. A contrast ratio of 4.47:1 was detected where a ratio of at least 4.5:1 is expected
5. **SC 4.1.2 A** – The 'Cite, Email, Save' tool area contains a link that is empty / does not have a programmatic name or label.
6. **SC 1.3.1 A** – The 'Applied filters', 'Limit to', 'Source type', 'Publication date', 'Publication title' and 'Location' sections contain an unordered list element which contains child elements that are not allowed to be nested within the unordered list
7. **SC 1.3.1 A** – The 'Applied filters' and 'Source type' sections contain list item elements that are not nested within an unordered list
8. **SC 2.4.4 A** – The 'Details', 'Full text', 'Your Tuesday briefing: The fight for Mariupol', 'Your Thursday briefing: Indiscriminate attacks in Mariupol', 'Your Monday briefing: Russia's assault on Mariupol', 'Your Monday briefing: Russia demands surrender in Mariupol', 'I' links are repeated on the page but contain unique destinations / functions and these unique destinations / functions are not identified

through additional context

Additional manual findings using NVDA screen reader

1. **SC 2.5.3 A** – The “Clear New York Times (Online)” and “Clear Ukraine” links do not contain the text “(660)” that is found in the visible label for both controls.
2. **SC 1.4.10 AA** – When a reflow viewport 320px wide is applied, the ‘search input field’ is overlapped by other content. NOTE: Modified on 5/13/2022 after re-check.



3. **SC 1.4.4 AA** – When the page is zoomed to 200%, the ‘Cookie Preferences’ footer link, ‘Accessibility’ footer link and ‘Copyright’ footer notice are lost. NOTE: Removed on 5/13/2022 after re-check.
4. **SC 1.4.13 AA** – When a mouse user hovers over the ‘Cite, Email, etc.’ tools, they cannot hover the mouse pointer over the pop-up content
5. **SC 1.4.11 AA** – The highlighted content that visually identifies a keyword or filter is low in contrast on regular result and selected result backgrounds. Regular result produces a 1.16:1 contrast ratio, and selected result produces a 1.02:1 contrast ratio, where a 3:1 contrast ratio is expected.
6. **SC 1.3.1 A** – The visible group label ‘Limit To’ for the ‘Full Text’ checkbox is not programmatically associated with the form input. The group label is important to understand the purpose of the checkbox in the situation that a AT user chooses to only navigate using the Tab key. NOTE: Modified on 5/13/2022 after re-check.
7. **SC 2.1.1 A** – A keyboard only (and screen reader) user cannot operate the date picker with keyboard alone
8. **SC 4.1.2 A** – The Publication Date slider is missing required ARIA role(s) and attribute(s) in order to be semantically identified as a slider control
9. **SC 1.4.3 AA** – Dates in the date picker that are part of another month are low in contrast. A 2.3:1 contrast ratio is measured where a 4.5:1 contrast ratio is expected.
10. **SC 1.4.11 AA** – The visual indicator that identifies the ‘in-focus’ date is low in contrast. The focus indicator produces a 1.16:1 contrast ratio where a 3:1 ratio is expected.
11. **SC 2.4.7 AA** – The ‘search result icon’ e.g. ‘Blog, Podcast or Website’ is missing a clearly visible focus indicator when the control receives focus.

3. Article Landing Page

Source:

<https://www.proquest.com/usnews/docview/2643261295/AA3AD38429564D48PQ/1?accountid=14784>

Test case: Select “Tanya’s Sister Was Trapped in Mariupol. This Is Their Story.: Farah Stockman” – test individual landing page of article. Test audio transcript. Test Cite icon.

The screenshot shows the ProQuest US Newsstream interface. At the top, there's a ProQuest logo and 'Access provided by University of Washington Libraries'. Below that is a navigation bar with 'U.S. Newsstream' and a search icon. The article title 'Tanya's Sister Was Trapped in Mariupol. This Is Their Story.: Farah Stockman' is prominently displayed, along with the source 'The New York Times' and the date 'Mar 26, 2022'. A sidebar on the left contains 'Full text' and 'Details' tabs. The main content area shows the beginning of the article, starting with 'KORCZOWA, Poland — On the second day of the war, Tanya quit her job as a tax accountant in Massachusetts and told her husband that she had to go home to Ukraine.' A right-hand column features 'Suggested sources' with links to related articles. At the bottom right, there's a 'Putin's Endgame: A Conversation With Fiona Hill' link.

Automated findings using Axe

1. **SC 4.1.2 A** – An empty `i` element in the Full Text area contains an `aria-label` attribute that is not valid for the non-semantic element that it is applied to
2. **SC 4.1.2 A** – A `div` element in the right-hand column contains an `aria-expanded` attribute that is not valid for the non-semantic element that it is applied to
3. **SC 4.1.2 A** – An empty `span` element in the Article Title area contains an `aria-label` attribute that is not valid for the non-semantic element that it is applied to
4. **SC 4.1.2 A** – Two `span` elements in the Full Text area contain an `aria-label` attribute that is not valid for the non-semantic elements that it is applied to
5. **SC 4.1.2 A** – The right-hand column contains an empty link that is included in the natural tab order, but is programmatically hidden through the use of `aria-hidden`
6. **SC 4.1.2 A** – The right-hand column uses an ARIA heading (Subject, Location) but a required attribute, `aria-level`, is not found
7. **SC 1.4.3 AA** – The article title, “Tanya’s Sister Was Trapped...” and “Full Text” content is low in contrast. A contrast ratio of 4.47:1 was detected where a ratio of at least 4.5:1 is expected
8. **SC 4.1.1 A** – The page contains elements that have been given IDs that are duplicated. Duplicated IDs include: `pubLogo`, `fullTextZone`
9. **SC 1.3.1 A** – The ‘Search with indexing terms’ section contains an unordered list element which contains child elements that are not allowed to be nested within the unordered list

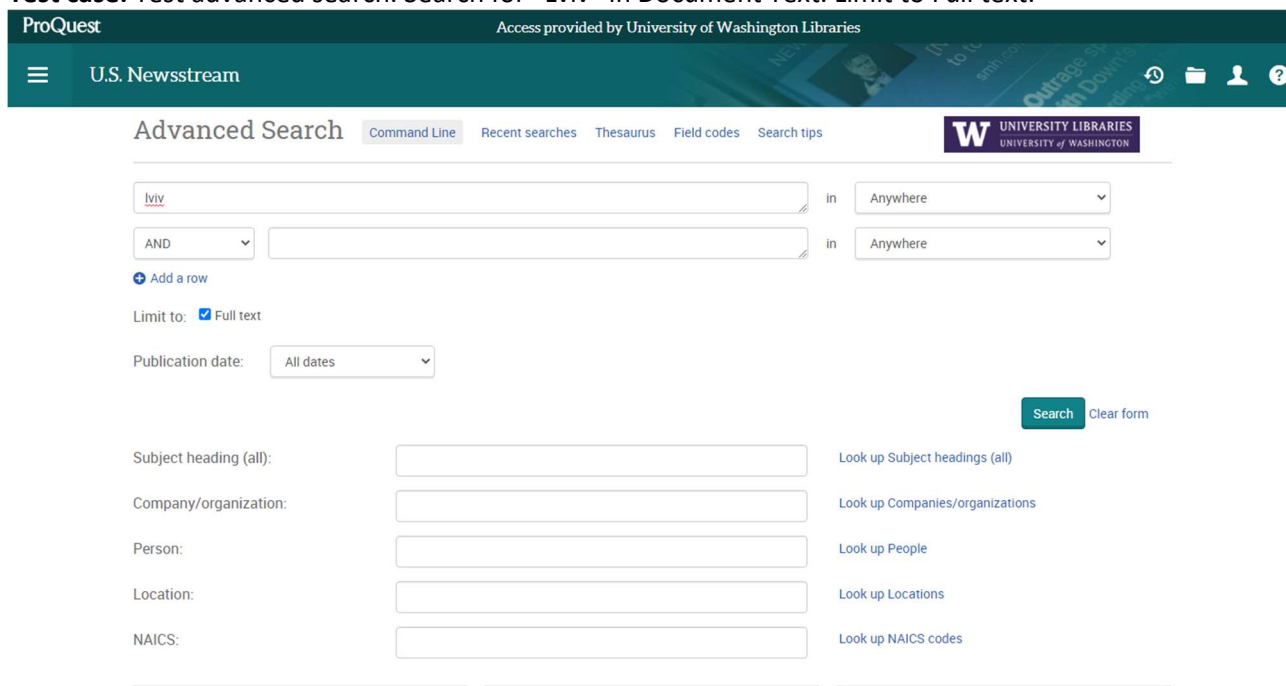
Additional manual findings using NVDA screen reader

Not completed due to insufficient time.

4. Advanced Search

Source: <https://www.proquest.com/usnews/advanced?accountid=14784>

Test case: Test advanced search. Search for “Lviv” in Document Text. Limit to Full text.



ProQuest Access provided by University of Washington Libraries

U.S. Newsstream

Advanced Search Command Line Recent searches Thesaurus Field codes Search tips

lviv in Anywhere

AND in Anywhere

Add a row

Limit to: ☒ Full text

Publication date: All dates

Search Clear form

Subject heading (all): Look up Subject headings (all)

Company/organization: Look up Companies/organizations

Person: Look up People

Location: Look up Locations

NAICS: Look up NAICS codes

Automated findings using Axe

1. **SC 4.1.1 A** – The page contains elements that have been given IDs that are duplicated. Duplicated IDs include: browseIndexGeneric, disableAutoCompleteNote, lastSelectedrow0, lastSelectedrow1, lastSelectedrow2, lastSelectedrow3, lastSelectedrow4, lastSelectedrow5, lastSelectedrow6, lastSelectedrow7, lastSelectedrow8, lastSelectedrow9, endingLabel_multiDateRange, suggestionBoxNote, stdAdvSrchPg

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.