High–level accessibility review – LAA
(PolicyMap Platform)

Primary Point of Contact

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September 15, 2022

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PolicyMap Platform

Summary

Top 3 problems for the PolicyMap Platform

This high-level assessment covers limited portions and functionality of the PolicyMap Platform. 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.

1. **Non-Text Contrast –** Many of the icons and form fields on both initial state and focus state lack at least 3:1 contrast ratio causing issues for users with low vision.
2. **Info and Relationships –** Many form controls are not programmatically associated with their visible labels.
3. **Keyboard –** Many issues exist with the ability to operate core functionality of the platform with a keyboard alone. Issues of this type affect many types of users, not just screen reader users.

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 4.1.2 A** – ARIA role status must be removed when the element is made visible, as it is not allowed for the element - <ul role="status">
2. **SC 4.1.2 A** – ARIA attribute element ID does not exist on the page: aria-labelledby="main-content-map-button"
3. **SC 4.1.1 A** – Document has multiple static elements with the same id attribute: notification-close
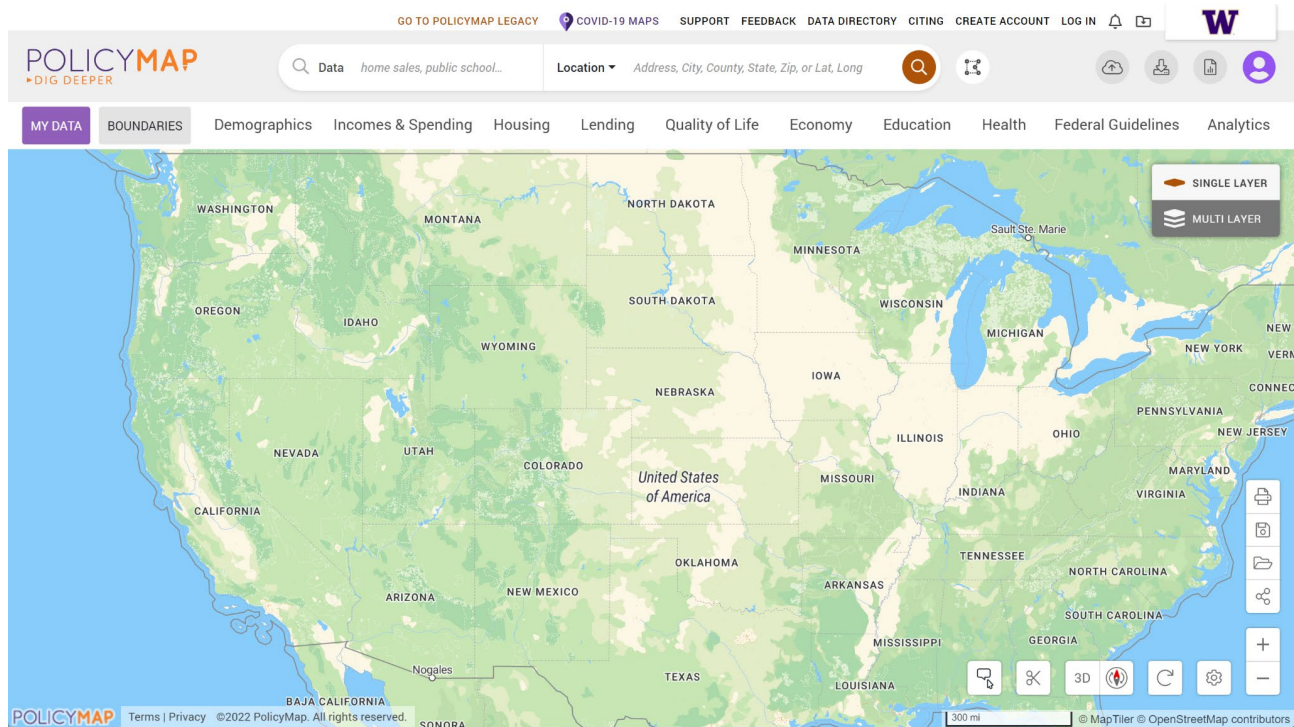
Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – Non-text contrast graphical objects must have at least 3:1 contrast ratio: Policy Map Logo - orange text only has a contrast ratio of 2.31:1 with the adjacent background
2. **SC 1.4.11 AA** – Non-text contrast graphical objects must have at least 3:1 contrast ratio: Modal/Popup close button (X) - gray icon only has 2.35:1 contrast ratio with adjacent white background
3. **SC 1.4.11 AA** – Non text contrast states - Multilayer Button orange focus border only has a contrast ratio of 2.91:2 with the adjacent background
4. **SC 1.4.3 AA** – Color Contrast (Regular Text) - My data button on hover purple background only has a contrast ratio of 3.64:1 with white text. Contrast must be at least 4.5:1
5. **SC 2.4.7 AA** – Focus Visible - Washington (W) logo receives focus but does not have a focus indicator
6. **SC 2.4.7 AA** – Focus Visible - Clickable map region is announced when tabbing with screen reader on but has no focus indicator.

1. **Landing Page/Initial Interface**

Source: https://washington-policymap-com.offcampus.lib.washington.edu/newmaps#/
Test case: Initial interface – ensure menus, search box, images, icons, sort by, etc. are accessible.

Automated findings using Axe

1. Due to this being a single page application all issues for the initial interface occur globally and have been documented in the multipage automated accessibility findings on page 3
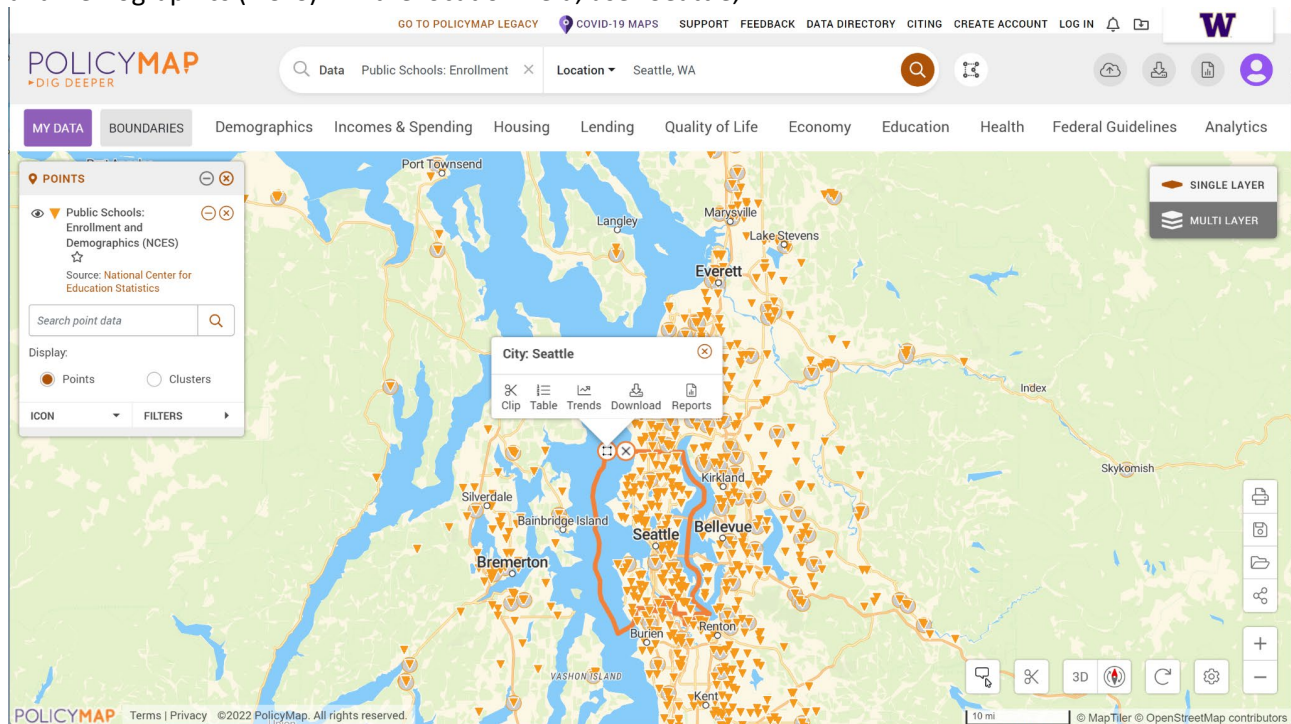
Additional manual findings using NVDA screen reader

1. Due to this being a single page application all issues for the initial interface occur globally and have been documented in the multipage manual accessibility findings on page 3

2. Search Results

Source: https://washington-policymap-com.offcampus.lib.washington.edu/newmaps#/
Test case: From the initial interface, perform a search for: in the data field, use "Public Schools: Enrollment and Demographics (NCES)". In the location field, use "Seattle, WA"

Automated findings using Axe
1. **SC 4.1.2 A** – Invalid ARIA attribute value: aria-controls="download-tab-content"

Additional manual findings using NVDA screen reader
1. **SC 1.3.1 A** – Programmatic Labels - Checkboxes under My Saved Work not programmatically associated with text label
2. **SC 1.3.2 A** – Reading Order - Content in points detail dialog is not readable by the screen reader
3. **SC 1.3.3 A** – Visual Cues - Status color code is using visual cues of different colors to identify the different statuses.
4. **SC 1.4.1 A** – Color as information - Status code is using color alone to identify different statuses
5. **SC 1.4.11 AA** – Non Text Contrast - Most of the colors in the color code do not meet at least a 3:1 contrast ratio with the adjacent background color
6. **SC 1.4.11 AA –** Non-Text contrast - Active User Interface Components - Radio buttons and Checkboxes only have a contrast ratio of 1.89:1 with the adjacent white background and must be at least 3:1
7. **SC 1.4.11 AA** – Non Text Contrast - Light gray unselected column sorter arrows under my saved work only have a contrast ratio of 1.65:1 with the adjacent background
8. **SC 2.1.1 A** – Keyboard Navigation - The search result markers on the map are accessible with the mouse but cannot be reached with the keyboard.
9. **SC 2.4.3 A** – Focus Order - when pressing the table button under the location search result a right side menu with all the schools pops up but the focus jumps to a collapse panel togel that comes after the right side menu so when using a screen reader and keyboard you are already passed the right side menu making it very difficult to use.
10. **SC 2.4.6 AA** – Descriptive Labels - "Action Menu" is used as the label for numerous buttons but each of the buttons performs a different function specific to its related content