

# High-level accessibility review – LAA (Roper iPoll Platform)

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# Roper iPoll Platform

## Summary

### Top 3 problems for the Roper iPoll Platform

This high-level assessment covers limited portions and functionality of the Roper iPoll 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. **Name, Role Value** – Many active elements are nested, and many elements are missing an accessible name.
2. **Non-text Contrast** – Many active elements or states of the elements do not have enough contrast with the background.
3. **Use of Color** – Many elements include several that are site wide do not have enough contrast between the text and background.

### 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. **1.3.1 A** – Info and Relationships – The main menu (search, how to search, etc.) are in list items but the list items are not contained in a list (ol, ul).

#### Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – Contrast (minimum) – The [support@ropercenter.org](mailto:support@ropercenter.org) link in the footer does not have at least 3:1 contrast with the surrounding text: Link Text: #f3e3bf, Surrounding Text: #ffffff, Contrast: 1.3:1.
2. **SC 1.4.3 AA** – Contrast (minimum) – The footer navigation links (Contact, FAQ, etc.) on hover do not have at least 4.5:1 contrast with the background. Link text on hover: #222222, Background: #C4112F, Contrast: 2.6:1
3. **SC 1.4.3 AA** – Contrast (minimum) – The disclaimer links (General Terms of Use, data-services@ropercenter.org, etc.) on hover do not have at least 4.5:1 contrast with the background. Link text on hover: #FFC0CB, Background: #C4112F, Contrast: 3.9:1
4. **SC 1.4.11 AA** – Non-text Contrast– The selected/opened menu button (minus icon) does not have at least 3:1 contrast with the background. Menu Button Focus state: #A9A9A9, Background: #C4112F, Contrast: 2.6:1.
5. **SC 1.4.11 AA** – Non-text Contrast– The selected/opened submenu button (minus icon) does not have at least 3:1 contrast with the background. Menu Button Focus state: #A9A9A9, Background: #ffffff, Contrast: 2.3:1.
6. **SC 1.4.11 AA** – Non-text Contrast – The focus indicator on the login button does not have at least 3:1 contrast with the outer background. Login focus indicator: #E18796, Background: #ffffff, Contrast: 2.6:1
7. **SC 4.1.2 A** – Name, Role, Value – Menu buttons (+/-) have expand/collapse states set improperly. Announces initially as collapsed but doesn't announce expanded when the menu is expanded.





4. **SC 2.1.1 A** – Keyboard – Once an option is selected for the comboboxes text with the selection and clear button are added but the clear button cannot be reached with the keyboard alone.

## 2. Search Results – Presidential Approval

**Source:** [https://ropercenter-cornell-](https://ropercenter-cornell-edu.offcampus.lib.washington.edu/ipoll/search?collection=LSM&contains=QUESTION&decade=1980s&experimental=NON&order=ASC&org=963e362f-6050-43a8-b4d8-4a8e0b519920&q=Presidential%20Approval)

[edu.offcampus.lib.washington.edu/ipoll/search?collection=LSM&contains=QUESTION&decade=1980s&experimental=NON&order=ASC&org=963e362f-6050-43a8-b4d8-4a8e0b519920&q=Presidential%20Approval](https://ropercenter-cornell-edu.offcampus.lib.washington.edu/ipoll/search?collection=LSM&contains=QUESTION&decade=1980s&experimental=NON&order=ASC&org=963e362f-6050-43a8-b4d8-4a8e0b519920&q=Presidential%20Approval)

**Test case:** From the initial landing page, conduct a search for: **presidential approval**, click Additional Search Filters, and within the Organizations or Researchers box, select **ABC News**.

The screenshot shows the Roper iPoll search results page. The top navigation bar includes the Roper iPoll logo, search, how to search, definitions, tutorial video, and login links. Below the navigation bar, there are tabs for ROPER, Membership, Data Highlights, Data Archiving, Learn/Teach, About Us, and Blog. The main content area is titled 'New Search' and shows the search criteria: 'Org: ABC News', 'Decade: 1980s', and 'Contents: Questions'. The search results are displayed in a grid format, with tabs for 'Longstanding Methods Collection' and 'Recently Developed Methods Collection'. The results list includes two questions, each with a preview of the question text and survey details. The first question is 'To begin with, do you approve or disapprove of the way Jimmy Carter is handling his job as President? Do you feel strongly about that or not so strongly?' and the second is 'Do you approve or disapprove of the way Ronald Reagan is handling his job as president? Is that approve/disapprove strongly, or approve/disapprove somewhat?'. The page also includes a sidebar with filters for Keywords, Excludes, and Filters, and a footer with the URL and a feedback button.

### Automated findings using Axe

No automated issues detected.

1. **SC 1.3.1 A** – Info and Relationships – The tablist with Longstanding Methods Collection and Recently Developed Methods Collections has children which are not allowed (a link with a tabindex)
2. **SC 1.3.1 A** – Info and Relationships – The selected filters are in a unordered list (ul) and the list contains direct children that are not allowed (div).
3. **SC 4.1.2 A** – Name, Role, Value – The tabs (Longstanding Methods Collection, Recently Developed Methods, Questions, etc.) have nested interactive controls.

### Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** –Info and Relationships – The filter groups (Contents, Decades, Interview Dates, etc.) are missing group labels which are necessary to understand the form fields.
2. **SC 1.4.3 AA** – Text Contrast (minimum) –The placeholder text for Organizations, Topics, Sample Type, and Health Categories do not have at least 4.5:1 contrast with the background. Placeholder Text: #757C84, Background: #ffffff, Contrast 4.2:1
3. **SC 1.4.11 AA** – Non-text Contrast –Search buttons focus state does not have at least 3:1 contrast with the background. Focus State: #E18796, Background: #ffffff, Contrast 2.6:1
4. **SC 1.4.11 AA** – Non-text Contrast –The text fields under filters do not have at least 3:1 contrast with the background. Active state: #CDD4D9, Background: #ffffff, Contrast 1.5:1
5. **SC 2.4.4 A** – Link Purpose (in context) – There are multiple Question view links with the same programmatic label but different destinations. Accessible name needs to include which poll we are opening question view for. For example, “Question View – ABC News Poll: Panama 2”.

6. **SC 2.4.4 A** – Link Purpose (in context) – There are multiple data download links with the same programmatic label but different destinations. Accessible name needs to include which poll we are downloading data for. For example, “Dataset available for download in ASCII for ABC News Poll: Panama 2”.
7. **SC 2.4.6 AA** – Headings and Labels – There are multiple add to folder buttons with the same programmatic label but different functions. Accessible name needs to include what is being added to folder. For example, “Add to folder – ABC News Poll: Panama 2”.
8. **SC 2.4.6 AA** – Headings and Labels – There are multiple copy buttons with the same programmatic label but different functions. Accessible name needs to include what is being copied. For example, “Copy Link – ABC News Poll: Panama 2”.
9. **SC 2.4.6 AA** – Headings and Labels – There are multiple close buttons under selected filters with the same programmatic label but different functions. Accessible name needs to include what is being closed. For example, “close Org: ABC News”.
10. **SC 4.1.2 A** – Name, Role, Value – The current page button in the pagination bar is missing the current state.
11. **SC 2.5.3 A** – Label in the name – The Results per page and Sort comboboxes do not include the visible label in the accessible name. Current labels are the selected value.



### 3. Search Results Details

**Source:** <https://ropercenter-cornell-edu.offcampus.lib.washington.edu/ipoll/study/31103477/questions#9b421c51-00b0-4381-b82d-9d3234d8393a>

**Test case:** Test the first individual search result landing page, including the accessibility of the chart, as well as the download options. Click on one of the questions in the accordion.

The screenshot shows the Roper iPoll website interface. At the top, there is a navigation bar with the Roper iPoll logo and links for Search, How to Search, Definitions, Tutorial Video, and Login. Below this is a secondary navigation bar with links for ROPER, Membership, Data Highlights, Data Archiving, Learn/Teach, About Us, and Blog. The main content area displays the study record for 'Longstanding Methods Collection' and a specific question: '1. To begin with, do you approve or disapprove of the way Jimmy Carter is handling his job as President? Do you feel strongly about that or not so strongly?'. The question is followed by a bar chart showing the distribution of responses: 25% Approve strongly, 25% Approve not so strongly, 16% Disapprove not so strongly, 22% Disapprove strongly, and 12% Don't know/No answer. To the right of the chart is a 'Survey Information' section with details such as Organization (ABC News), Study Date (January 16, 1980 - January 16, 1980), Sample Size (510), Geographic Coverage (United States), Interview Mode (Telephone interview), and Topics (Presidential Approval). A 'Feedback' button is located at the bottom right of the question area.

#### Automated findings using Axe

1. **SC 4.1.2 A** – Name, Role, Value – The tabs (Study Info, Questions, etc.) have nested interactive controls.

#### Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – Text Contrast (minimum) –The text on focus in the question menu (Copy topline, Cite, Download) do not have at least 4.5:1 contrast with the background. Text: #984B4C, Background: #COCOCO, Contrast 3.3:1
2. **SC 1.4.11 AA** – Non-text Contrast –Cite and Download buttons focus state does not have at least 3:1 contrast with the background. Focus State: #E18796, Background: #ffffff, Contrast 2.6:1
3. **SC 2.4.6 AA** – Headings and Labels – There are multiple copy buttons for each question with the same programmatic label but different functions. Accessible name needs to include what is being copied. For example: “Copy: Have you heard or read anything about the Soviet Union’s invasion of Afghanistan?”.
4. **SC 3.3.2 A** – Labels or Instructions – The “Search questions within this study field label is not persistent. It is labelled by the placeholder text which disappears when the user interacts with the field.
5. **SC 4.1.2 A** – Name, Role, Value – The current page in the pagination is missing the current attribute.
6. **SC 4.1.2 A** – Name, Role, Value – The questions are interactive but are missing a button role.

## 4. Study Info Tab

**Source:** <https://ropercenter-cornell-edu.offcampus.lib.washington.edu/ipoll/study/31103477/questions#9b421c51-00b0-4381-b82d-9d3234d8393a>

**Test case:** Click on Study Info tab to view details of the study.

The screenshot shows the Roper iPoll website interface. At the top, there is a navigation bar with the Roper iPoll logo on the left and search, how to search, definitions, tutorial video, and login options on the right. Below this is a red navigation bar with links for ROPER, Membership, Data Highlights, Data Archiving, Learn/Teach, About Us, and Blog. The main content area shows a search result for 'Study Record: Longstanding Methods Collection' and 'ABC News Poll: January 1980 [Roper #31103477]'. A tabbed interface is visible with 'Study Info' selected. The 'Study Info' tab displays the following details:

<b>Title:</b>	ABC News Poll: January 1980
<b>Archive Number:</b>	31103477
<b>Survey Organization:</b>	ABC News
<b>Study Date:</b>	January 16, 1980 - January 16, 1980
<b>Geographic Coverage:</b>	United States
<b>Sample:</b>	National adult
<b>Sample Size:</b>	510
<b>Interview Mode:</b>	Telephone interview
<b>Topics:</b>	Foreign Policy; Information; Middle East; Presidential Approval; Russia/Soviet Union; Sports; Television
<b>Citation:</b>	ABC News. ABC News Poll: January 1980, 1980 [Dataset]. Roper #31103477, Version 1. ABC News [producer]. Cornell University, Ithaca, NY: Roper Center for Public Opinion Research [distributor]. doi:10.25940/ROPER-31103477
<b>DOI link:</b>	<a href="https://doi-org.offcampus.lib.washington.edu/10.25940/ROPER-31103477">https://doi-org.offcampus.lib.washington.edu/10.25940/ROPER-31103477</a>

A 'Feedback' button is located at the bottom right of the page.

### Automated findings using Axe

1. **SC 4.1.2 A – Name, Role, Value** – The tabs (Study Info, Questions, etc.) have nested interactive controls.

### Additional manual findings using NVDA screen reader

Not completed due to insufficient time.