

FloodMapp Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.5)



Name of Products/Version:	FloodMapp PREPARE (ForeCast, NowCast, PostCast) FloodMapp RESPOND (NowCast, PostCast)
Report Date:	June 12, 2025
Product Description:	Raster and Vector Geospatial APIs that return data about flood extent and depths.
Contact Information:	support@floodmapp.com

Notes:

- This evaluation only refers to FloodMapp products, and not the FloodMapp DASH system.
- FloodMapp assumes the user has access to a GIS client to interact with the APIs.

Evaluation Methods Used:

Conformance to the listed accessibility standards has been evaluated by FloodMapp using analysis tools and manual testing.

Applicable Standards/Guidelines:

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

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1 Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
<u>1.1.1 Non-text Content</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 01 (Web)(Software) • 04.2 (Authoring Tool) • 02.3 (Support Docs) 	Supports	FloodMapp's WFS endpoints return GeoJSON/GML—purely textual formats—so no non-text content is present. WMS GetMap requests intentionally return raster images (PNG/JPEG) that render the same flood features available in WFS. Because clients invoke these endpoints specifically to obtain a graphic, the images are an alternate, not primary, representation. The complete underlying information (geometry, attributes, style classes) is always available programmatically through: GetFeatureInfo (attribute query for any map pixel), and/or parallel WFS feature collections. Thus a text alternative exists by design, satisfying the requirement. Legend graphics (GetLegendGraphic) are paired with machine-readable SLD or JSON-style descriptors that expose the same symbology rules; assistive technology can derive the legend text from these descriptors. Interactive API Explorer & HTML documentation – All meaningful icons and screenshots include descriptive alt text. Code blocks and tabular parameter lists expose identical information in text. Decorative imagery (company logo, background patterns) is marked with empty alt="" or CSS backgrounds so it is ignored by screen readers. Known limitations: Two complex, multi-layer map screenshots in the "Use-case Examples" section currently have concise alt text (e.g., "Flood extent map of Houston").
<u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	It is not possible to convert Well Known Text or Well Known Binaries into audio or video formats.
<u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	This product doesn't support or offer streaming media.

<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	This product doesn't support or offer streaming media.
<p><u>1.3.1 Info and Relationships</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	<p>FloodMapp's WFS and WMS services return GeoJSON/GML feature collections or raster tiles that encode all information and relationships programmatically. Geometry coordinates, properties, coordinate-reference metadata, feature IDs and temporal attributes are delivered as explicit key/value pairs or XML elements, not implied by layout; therefore assistive-technology users receive the same structural cues available to any software client. No visual UI – The service itself does not present any rendered interface, so there is no risk that meaning could be conveyed solely by visual positioning, colour, or styling. Client applications decide how to display the data; responsibility for accessible presentation lies with those consuming systems. Ancillary HTML documentation – API reference pages and example queries are authored with semantic HTML elements (proper heading hierarchy, lists, <code> blocks, table header cells, and ARIA landmarks). Field labels in interactive “Try It” forms are programmatically associated with their inputs, and relationships between request parameters are explained in text. Automated and manual testing with NVDA + Firefox confirms correct reading order and exposure of semantics. Limitations – Sample map screenshots embedded in the docs include alt-text, but complex choropleth images do not carry full data tables in long-desc. Because the authoritative data is available directly from the API, this does not hinder access to the underlying information, but we nevertheless classify the documentation as “Supports with Exceptions.” An enhancement ticket is logged to provide extended data descriptions in a future release.</p>
<p><u>1.3.2 Meaningful Sequence</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports (considered Not Applicable for most uses)	<p>FloodMapp's flood-data service is exposed solely as machine-readable OGC WFS (GML/GeoJSON) and WMS (raster image) endpoints. It presents no visual or vocal user interface whose reading order could affect human comprehension. Client software determines how to render or announce the returned data, so end-user sequencing is entirely under the consuming application's control. Within each response, the semantic structure—not element order—conveys meaning (e.g., XML/JSON keys, CRS metadata, and feature IDs). Consequently, the service neither relies on nor imposes a specific reading sequence, and all required information is programmatically determinable. Where HTML documentation is provided, headings, lists, and tables follow logical DOM order and can be traversed correctly by assistive technologies.</p>

<u>1.3.3 Sensory Characteristics</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Core service (WFS/WMS API) – All instructions for using the API are conveyed through explicit parameter names (e.g., BBOX, LAYERS, TIME) and structured metadata. No guidance depends on colour, shape, size, or sound. WMS imagery & legends – Flood depths in WMS images are colour-coded, but each colour class is also defined in machine-readable style descriptors (SLD/JSON) available via GetStyles/DescribeLayer. Client applications can therefore present non-visual equivalents (e.g., textual depth ranges) rather than relying on colour alone. Documentation & API Explorer – User instructions reference controls by text labels and ARIA associations (e.g., “Select Run Query”). Screenshots with symbology include captions such as “Dark blue represents depths > 2 m; light blue represents < 0.3 m,” ensuring information is conveyed in words as well. Verification – Manual tests with NVDA + Firefox and automated axe-core scans showed no instances where meaning or operation depends on sensory attributes alone.
<u>1.4.1 Use of Color</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The WFS endpoints deliver data as GeoJSON/GML—plain text formats with no reliance on colour. The WMS service returns raster map images that are colour-coded to depict flood depth or extent; however, colour is never the sole means of conveying that information because: Each colour class is defined in the accompanying machine-readable style sheet (SLD or JSON style) that specifies the exact depth range or flood state for that colour. GetFeatureInfo queries on any map pixel return the underlying attribute values (e.g., depth in metres), allowing consuming applications or assistive technologies to present the data without referencing colour.
<u>1.4.2 Audio Control</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS and WMS services, as well as their interactive API explorer, contain no audio or auto playing media. Because the product never emits sound, no audio-control mechanism is required and the criterion is inherently satisfied.
<u>2.1.1 Keyboard</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All functionality is exposed by HTTP requests. Requests can be issued entirely from the keyboard using command-line tools (e.g., curl) or any programming environment; no mouse or pointer input is required or assumed. The explorer uses native HTML form controls (text inputs, select menus, buttons). These receive focus in a logical order with Tab/Shift-Tab, and all actions can be executed with Enter or Space. No custom components demand pointer input, and no keyboard traps are present. Focus is always visible, and Escape returns focus to the main content area when modal dialogs are opened. Static map images & legends; WMS images and legend graphics are non-interactive; viewing or downloading them does not require pointer actions.
<u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to:	Supports	The service is accessed purely through HTTP requests; there are no interactive components that could capture or confine keyboard focus. Interactive API Explorer – All focusable elements (text inputs,

Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		select menus, buttons, and the modal “Response” dialog) are built with standard HTML. Focus is cycled in logical order with Tab/Shift-Tab, and users can always move focus away from any element using the same keystrokes that moved it there or by pressing Esc to close the dialog. No custom widgets override default focus behavior, and no content requires timed keystrokes to exit.
<u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS and WMS endpoints accept requests at any time and impose no inactivity or session time-outs on users. Results are returned when processing completes; users may repeat a request as often as needed with no countdown or expiration.
<u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS and WMS services return static payloads (GeoJSON/GML or raster images) and never generate automatically moving, blinking, scrolling, or auto-refreshing content.
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS and WMS services deliver static data (GeoJSON/GML) and non-animated raster images. They contain no video, GIFs, or scripted effects capable of flashing.
<u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Not applicable	The endpoints return only data (GeoJSON/GML or raster images) over HTTP and have no page structure to navigate, so the requirement does not apply.

<u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints return data only and do not serve HTML documents, so page titles are not applicable.
<u>2.4.3 Focus Order</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints transmit data only and have no interactive interface, so keyboard focus is not applicable.
<u>2.4.4 Link Purpose (In Context)</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints themselves return data and expose no hyperlinks, so the criterion does not apply to the API responses.
<u>3.1.1 Language of Page</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	API responses are data formats (GeoJSON, GML, PNG/JPEG) and do not constitute HTML “pages,” so no language attribute is required or applicable.
<u>3.2.1 On Focus</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints deliver data only and expose no interactive controls; therefore no element can receive keyboard focus and no focus-triggered changes can occur.
<u>3.2.2 On Input</u> (Level A) Also applies to: Revised Section 508	Supports	The endpoints are invoked through HTTP requests assembled by a client. Changing a query parameter (e.g., BBOX, TIME, LAYERS) in a URL does not perform any action until the request is

<ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		explicitly sent (e.g., pressing Enter in a terminal, clicking a “Send” button, or executing code). No automatic change of context can be triggered merely by altering a field value.
<u>3.3.1 Error Identification</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	When a request contains invalid or missing parameters, the server returns an appropriate HTTP status code (400 Bad Request, 404 Not Found, etc.) together with a machine-readable XML or JSON body that clearly describes the problem (e.g., {"error": "Invalid CRS value"}). The error object always includes a text message and a code, enabling client applications or assistive technologies to convey the issue in words rather than relying on colour or position.
<u>3.3.2 Labels or Instructions</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All request parameters are self-describing (e.g., BBOX, CRS, TIME). The API specification provides explicit, text-based definitions, value formats, and “required/optional” flags for each parameter. Because clients compose requests programmatically, the information needed to complete or validate a request is always available in text.
<u>4.1.1 Parsing</u> (Level A) Also applies to: WCAG 2.0 – Always answer ‘Supports’ Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	For WCAG 2.0 and the 508 standards, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata .
<u>4.1.2 Name, Role, Value</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	Responses are data formats (GeoJSON, GML, PNG/JPEG) delivered over HTTP. They contain no interactive elements, so the criterion is not applicable to the API payloads themselves.

2 Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<u>1.2.4 Captions (Live)</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS/WMS product delivers geospatial data and static map imagery; it does not generate or stream live audio or video. Because no live multimedia content exists, the requirement for live captions does not apply, and the criterion is inherently satisfied.
<u>1.2.5 Audio Description (Prerecorded)</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The WFS/WMS service delivers geospatial data and static map imagery; it does not include any prerecorded video whose essential information is conveyed only visually. Optional tutorial clips linked from the documentation are screen-recordings with full voice narration that describes on-screen actions as they occur, so separate audio descriptions are unnecessary. Text transcripts are also provided. Because no qualifying video content lacks an audio track that explains relevant visuals, the requirement for additional audio description does not apply, and the criterion is satisfied.

<p><u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	API responses are data files (GeoJSON, GML, PNG/JPEG) delivered over HTTP and contain no rendered text, so colour-contrast requirements do not apply to the payloads themselves.
<p><u>1.4.4 Resize text</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints return data only (GeoJSON, GML, PNG/JPEG) and have no rendered text, so resizing requirements do not apply to the payloads themselves.
<p><u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	WFS responses are purely textual (GeoJSON/GML). WMS map images seldom contain text; where label rendering is required (e.g., city names), the consuming client normally draws vector labels over the image, so text stays selectable and resizable. The only raster images that routinely embed text are legend graphics returned by GetLegendGraphic. These legends are permitted under WCAG because the same information is also exposed programmatically in the associated SLD or JSON-style document, which clients and assistive technologies can interpret as real text. No other essential information is delivered solely as an image of text.

<p><u>2.4.5 Multiple Ways</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Not applicable	The API itself is invoked via HTTP endpoints and returns data files; it contains no “pages” to locate, so the criterion does not apply to the payloads.
<p><u>2.4.6 Headings and Labels</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	API responses are data files, not HTML documents, so headings and labels are not applicable to the payloads themselves.
<p><u>2.4.7 Focus Visible</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	The endpoints return data only and present no interactive elements, so keyboard focus visibility is not applicable to the payloads themselves.

<p><u>3.1.2 Language of Parts</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	Responses are machine-readable data formats (GeoJSON, GML, PNG/JPEG) that contain no human-language passages, so language-of-parts requirements do not apply to the payloads themselves.
<p><u>3.2.3 Consistent Navigation</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Not applicable	API endpoints are accessed via direct HTTP requests and return data only; they include no navigational components, so the criterion is not applicable to the payloads themselves.
<p><u>3.2.4 Consistent Identification</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not 	Not applicable	API responses are machine-readable data (GeoJSON, GML, PNG/ JPEG) with no repeated interactive components, so the criterion does not apply to the payloads themselves.

apply to non-web docs		
<u>3.3.3 Error Suggestion</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	When a request contains an error, the server returns the appropriate HTTP status code (e.g., 400 Bad Request) and a machine-readable body that suggests how to correct it. Examples: <ul style="list-style-type: none"> • {"error":"Invalid CRS value","hint":"Use a valid EPSG code such as 4326 or 3857."} • {"error":"Missing TIME parameter","hint":"Add ?TIME=2025-06-12T00:00Z to the request URL."} These hints give developers explicit guidance on the change required.
<u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	All endpoints are read-only; they return geospatial data or map images and never write, delete, or commit user-supplied information that could have legal or financial consequences.

3 Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
<u>1.2.6 Sign Language (Prerecorded)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.2.7 Extended Audio Description (Prerecorded)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.2.8 Media Alternative (Prerecorded)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.2.9 Audio-only (Live)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.4.6 Contrast (Enhanced)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.4.7 Low or No Background Audio</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.4.8 Visual Presentation</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>1.4.9 Images of Text (No Exception)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.1.3 Keyboard (No Exception)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.2.3 No Timing</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.2.4 Interruptions</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.2.5 Re-authenticating</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:

<u>2.3.2 Three Flashes</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.4.8 Location</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.4.9 Link Purpose (Link Only)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>2.4.10 Section Headings</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.1.3 Unusual Words</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.1.4 Abbreviations</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.1.5 Reading Level</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.1.6 Pronunciation</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.2.5 Change on Request</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.3.5 Help</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:
<u>3.3.6 Error Prevention (All)</u> (Level AAA) Revised Section 508 – Does not apply	Web:	Web:

4 Revised Section 508 Report

4.1 Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	The product exposes all flood information programmatically (GeoJSON/GML attributes; WMS GetFeatureInfo). The interactive API Explorer and documentation are fully operable with screen-reader/keyboard navigation: semantic headings, ARIA-linked labels, predictable focus, and no reliance on visual cues.
302.2 With Limited Vision	Supports	Text in the Explorer and docs resizes to $\geq 200\%$ without loss of content; colour contrast meets WCAG 2.1 AA. Maps can be queried for numeric depth/extent values, so users who magnify or zoom receive the same data.
302.3 Without Perception of Color	Supports	Colour is never the sole method of conveying meaning. Each WMS colour class is defined in machine-readable style sheets, legends include text ranges, and all controls/doc text avoid colour-only references.
302.4 Without Hearing	Not Applicable	The service delivers no audio content; all information is visual/textual.
302.5 With Limited Hearing	Not Applicable	As above—there is no audio that would require volume or clarity adjustments.
302.6 Without Speech	Not Applicable	The product never requires voice input; all interaction is via HTTP requests, keyboard, or pointing devices.
302.7 With Limited Manipulation	Supports	All functionality (building requests, running queries, downloading results) can be completed using only a keyboard. No drag-and-drop, fine motor gestures, or timed multi-key sequences are required.
302.8 With Limited Reach and Strength	Supports	Keyboard access covers all tasks; there are no timeout-based logouts or operations demanding sustained key presses. Users may issue requests at their own pace without physical strain.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Documentation uses plain, consistent terminology; forms provide clear labels, examples, and inline error suggestions. Navigation and page layouts remain uniform, minimising cognitive load.

4.2 Hardware

Not applicable. The FloodMapp products are web application interfaces and not subject to the requirements of this section.

4.3 Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
<u>502 Interoperability with Assistive Technology</u>	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supports	The product runs in the user's browser and does not override or block platform features such as high-contrast mode, screen-reader commands, text scaling, or sticky keys.
502.2.2 No Disruption of Accessibility Features	Supports	Scripts and style sheets do not disable, remap, or interfere with OS/browser accessibility settings.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	All UI elements are native HTML or carry appropriate ARIA roles, states, and properties, allowing assistive technologies to obtain name, role, value, and state.
502.3.2 Modification of Object Information	Supports	Dynamic changes (e.g., "Request running → Request complete") update ARIA states or are announced through aria-live regions.
502.3.3 Row, Column, and Headers	Supports	Data tables in documentation use and proper header associations so screen readers can announce row/column context.
502.3.4 Values	Supports	Input values and computed results are exposed programmatically; screen readers voice updated values when they change.
502.3.5 Modification of Values	Supports	Users can change form-field values with the keyboard; changes are reflected instantly in the accessibility tree.
502.3.6 Label Relationships	Supports	Every form control has a <label> linked via the for attribute, or an aria-label, satisfying name-label requirements.

502.3.7 Hierarchical Relationships	Supports	The navigation tree uses nested lists with aria-level mappings, letting assistive tech present proper hierarchy.
502.3.8 Text	Supports	All static and editable text is exposed via standard HTML elements (<p>, <code>, <textarea>); no canvas-only text.
502.3.9 Modification of Text	Supports	Text entered in editable controls is available to assistive technologies in real time; no custom editors are used.
502.3.10 List of Actions	Supports	Buttons and links expose their default action ("Activate") via native semantics; no hidden or script-only actions.
502.3.11 Actions on Objects	Supports	Keyboard activation (Enter, Space) triggers the same events as pointer activation, ensuring parity for AT users.
502.3.12 Focus Cursor	Supports	Focus location is exposed to AT and visibly indicated; custom focus management is implemented with standard APIs.
502.3.13 Modification of Focus Cursor	Supports	Scripts that move focus (e.g., opening a dialog) use .focus() on the target element so AT is notified.
502.3.14 Event Notification	Supports	Status messages are delivered through aria-live="polite" regions; AT announces completion or errors without user polling.
502.4 Platform Accessibility Features	Supports	The web application honours platform features (e.g., prefers-reduced-motion, increased contrast) and does not suppress them.
<u>503 Applications</u>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports	The UI respects browser/OS preferences for font size, zoom level, reduced-motion, and colour-scheme without loss of content.
503.3 Alternative User Interfaces	Not Applicable	The product provides one fully accessible web interface; no separate alternative UI is offered or required.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required

503.4.1 Caption Controls	Not Applicable	The product contains no audio or video media.
503.4.2 Audio Description Controls	Not Applicable	The product contains no audio or video media.
<u>504 Authoring Tools</u>	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing	Not Applicable	The product is a data-delivery API, not an authoring tool.
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	No document-conversion features are provided.
504.2.2 PDF Export	Not Applicable	The product does not export to PDF.
504.3 Prompts	Not Applicable	No authoring functionality exists that would prompt creators for accessibility information.
504.4 Templates	Not Applicable	The product does not supply document templates.

4.4 Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
<u>602 Support Documentation</u>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	The online user guide includes a dedicated Accessibility Features section describing keyboard operation, screen-reader compatibility, high-contrast support, and preferred browser/AT combinations that have been tested (e.g., NVDA + Firefox, VoiceOver + Safari).
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	No hard-copy manuals are produced. If a customer requires a non-electronic format (e.g., large-print PDF or embossed Braille), FloodMapp will supply an accessible alternative on request at no additional charge.
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Technical-support agents have ready access to internal knowledge-base articles that explain all documented accessibility features and verified assistive-technology configurations. This information is provided to users upon request via email, ticket portal, or telephone.
603.3 Accommodation of Communication Needs	Supports	Support is available through multiple channels: email, web ticketing (keyboard-friendly), telephone, and live caption-enabled video calls. Upon request, the team will communicate via relay services or supply written follow-ups to voice conversations, ensuring users with hearing, speech, or cognitive disabilities can obtain assistance in their preferred format.

5 Legal Disclaimer – FloodMapp

All FloodMapp Products are delivered as live mapping feeds via Open Geospatial Consortium (OGC) compliant Application Programming Interface (API)s, which are designed to make it easy for ANYONE to provide and use geospatial data on the web, and to integrate this data with ANY other type of information. In this way, FloodMapp products are designed to seamlessly integrate with any Geospatial Information System (GIS) platform to develop a graphical user interface and be interoperable with other systems and workflows.

This document describes FloodMapp's ability to support certain WCAG standards, as of the testing date in this VPAT document. FloodMapp disclaims that any information in this document will remain accurate after such testing date.

This document is for informational purposes only and the contents are subject to change without notice. FloodMapp employs best efforts to monitor the accessibility of its products and provide updates from time to time. However FloodMapp makes no guarantee, warranty or representation concerning the ability of assistive technologies of other products to interoperate with FloodMapp Service APIs. Any modification or customization to the product described herein may render some or all of this document to be no longer applicable.

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