# Release Plan 2
## Marine Plastics Monitor 2019
## Release 2: June 2019
## Revision 1.0

- **High level goals:**
  - Create a mobile application to allow for easier data collection in the field
  - Create new streamlined form and implement into the website
  - Further improve the survey entry on the website by integrating with mobile app functionality
  - Download/export data as csv
  - Add admin functionality to the website (manage the data and entries)
  - Make the UX multi-language/nationality

**User stories for release:**

- Sprint 1
  - (5 story points) As a developer, I want to familiarize myself with React Native.
    - (20 hours) Take beginner React Native workshops
  - (21 story points) As a developer, I want to have a plan for a baseline application to build up from.
    - (5 hours) Create flow wireframe for application UI
    - (10 hours) Plan individual page layouts and survey form implementation
    - (20 hours) Init repository for new app and design basic backend code.
  - (8 story points) As a survey conductor, I want the mobile app to contain useful tools to facilitate survey entry and survey taking.
    - (10 hours) Access to location services
    - (8 hours) Create counter UI/survey entry UI for people inputting surveys in field
    - (12 hours) Access to our survey database
  - (5 story points) As a user of the website, I would like to have a polished version of the form that matches recent changes from COI
    - (3 hours) Reduce the number of categories to only include plastic
    - (3 hours) Update hard copy of form in Word with existing template
    - (1 hour) Upload new form to heroku app website.
- Sprint 2

- ○ (13) As a member in a survey group, I would like to be able to collect data on separate mobile devices and compile the data together into one completed form.
    - ■ Create a QR code style to add data
- ○ (21) As a survey conductor using the mobile application, I would like to be able to easily input the data from the mobile application into the database
    - ■ Create a schema for a survey in progress that can be stored in the database
    - ■ Link each survey in progress to a user account, accessible through the account page
    - ■ Add the ability to submit a survey in progress to the database when all necessary information is added
- ● Sprint 3
  - ○ (21) As a user of the website, I want to see additional website functionality and bugs resolved that were not able to be included in the last release.
    - ■ Include micro debris in the survey form and database
    - ■ Show coordinates on the EDIT form in degrees minutes seconds
    - ■ Make degrees, minutes, seconds display into just 6 numbers w/o additional decimal precision--still save decimal precision in backend.
    - ■ Redirect link at end of form review to lead to the page containing the completed survey.
    - ■ Ability to create survey from beach page
  - ○ (13) As an admin in COI, I would like to have the exclusive ability to edit beaches, and edit any survey in our database.
    - ■ Create admin permissions in app.
    - ■ Edit app to allow admin to edit any survey.
    - ■ Design UI so admin can edit beach information.
  - ○ (13) As somebody that uses the survey input form on the desktop website, I want the survey form to reflect the new workflow with the mobile app.
    - ■ Allow the form to be populated with information from the mobile app survey form.
    - ■ Allow user to choose workflow with mobile app vs. manual survey entry
- ● Sprint 4
  - ○ () As a data collector, I would like to easily see trends that the survey data shows for a given area (city, state)

- - - () Allow the user to use the map to query a specific city or state on the most frequently found types of plastic
    - () Create an intuitive display to show the user what the more frequently found types of plastic are
  - As a data scientist, I would like to export the data to an excel sheet

**Product Backlog**
- Add navigation to other surveys *on* survey page (eliminating need to return to Home page when you want to look at a lot of surveys at once)
- Ability to scan data sheet for automated data entry
- Change color of location on map to determine how much plastic was picked up at that beach (GIS?)
- Make survey form mobile responsive (form should collapse to single column if viewport is under certain width
- Site should be able to display different languages/units depending on language/location

Last modified: **4/5/2019**