

# **Sprint 1 Plan**

## **Marine Plastics Monitor 2019**

### **Release 2: June 2019**

#### **Revision 1**

#### **High Level Sprint Goals:**

- Create a React Native App that achieves the basic functions needed for survey takers in the field.
- Update the hard copy form for David's team for future cleanups.

**User Story 1:** As a developer, I want to familiarize myself with React Native. (5 story points)

- (20 hours) Take beginner React Native workshops

**User Story 2:** As a developer, I want to have a plan for a baseline application to build up from. (21 story points)

- (5 hours) Create flow wireframe for application UI
  - Draw out number of screens and flow of screens in app
- (10 hours) Plan individual page layouts and survey form implementation
- (20 hours) Init repository for new app and design basic backend code.
  - Create new Github Repo
  - Install dependencies
  - Set up build to iOS
  - Create pages based on plans for page layouts and page flow.

**User Story 3:** As a survey conductor, I want the mobile app to contain useful tools to facilitate survey entry and survey taking. (8 story points)

- (10 hours) Access to location services
  - Look into native iPhone GPS coords
- (8 hours) Create counter UI/survey entry UI for people inputting surveys in field
- (12 hours) Access to our survey database
  - Connection to mongoDB through node/React Native--maybe we can reuse mongoose?
- (5 hours) Research creating QR codes for surveys

**User Story 4:** As a user of the website, I would like to have a polished version of the form that matches recent changes from COI. (5 story points)

- (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.
- (6 hours) Admin Privileges

**Total Hours for Sprint 1 :** 103 hours

### **Team Roles**

- Frank Kohn: Product Owner, Developer
- Nelson Perez: Scrum Master, Developer
- Noel Gomez: Developer
- William Koch: Developer
- Diego Magdaleno: Developer

### **Initial Scrum Board:**

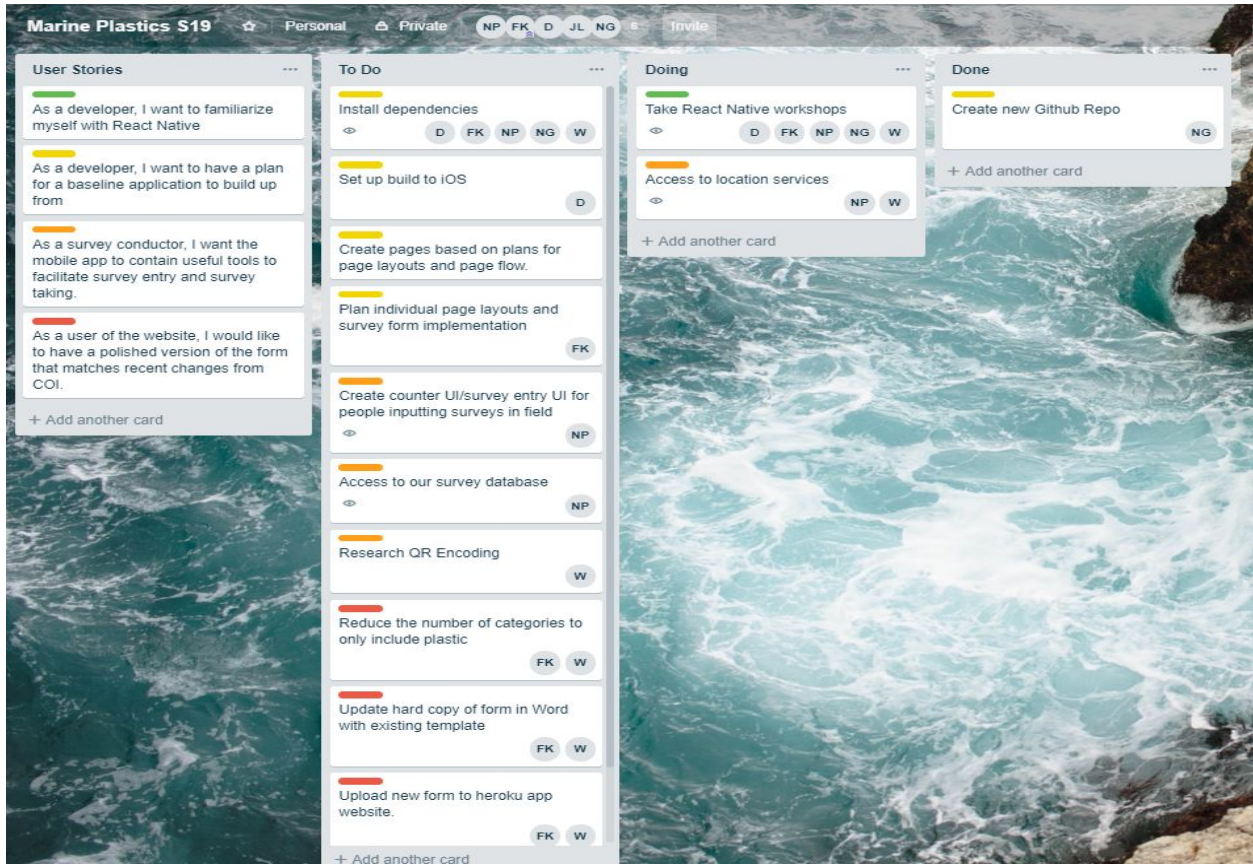
FK: Franky

NP: Nelson

NG: Noel

W: Connor

D: Diego



## Initial Burnup Chart:

### Sprint 1 Initial Burnup Chart

