1. Ideation
   1. Pre-Development Proposal
      1. One-pager describing app -
         1. Extension of NAS Web Application: We are using the PDS for NAS Mobile App.
   2. Preliminary Development Checklist with Business & Technical Evaluations
      1. Does Product Exist -
         1. No
      2. Check IPDS Publishing System -
         1. No NAS app in IPDS
      3. Check External Sources -
         1. Funding from NAS Project
      4. Technical Viability -
         1. Yes for both iOS and Android
      5. Consult Mobile Development Community
         1. Yes. We discussed with TX WSC and FORT collins developers and at the time FORT had the only BAO approved mobile app.
      6. Data Availability -
         1. All data will be made available through parent NAS database and application. NOTE: PII - OMB Control Number: 1028-0098 and PRIVACY ACT STATEMENT within Application.
   3. Mobile Inventory entry
      1. This App and all related information will be added to the mobile inventory upon IPDS approval.
      2. https://my.usgs.gov/confluence/display/cdi/Mobile+Applications+at+US+Geological+Survey
   4. IPDS entry
      1. App is currently in IPDS
2. Development
   1. Developer Checklist
      1. Development and Deployment tools
         1. Xamarin Studio
      2. Deploying and Managing Apps in the Apple Store
         1. Deployment will use USGS Company license if available.
         2. Visual ID compliance confirmed by review.
      3. Policy -
         1. Policy Matrix
            a. Informational link only.
      4. Development Impact
         1. This new application will provide easier access to data submissions from Citizen Scientists.

5. Strategy
            1. Focus efforts on iOS for version 1 and look at expansion to other platforms as we move into future versions.
        6. Goals
            1. Replicate full desktop data submission process on the mobile platform.
        7. Science Review
            1. Field tested, and work flows reviewed via FSP using IPDS
        8. Security Checklist
            1. Followed USGS checklist https://my.usgs.gov/confluence/display/cdi/Mobile+Application+Release+Checklist
        9. Defined Scope
            1. Provided by NAS program staff.
        10. External Group Involvement
            1. NONE
    2. Developers can take advantage of the USGS Development License Management Strategy
        1. Informational link only.
    3. Security Checklist
        1. Followed USGS checklist https://my.usgs.gov/confluence/display/cdi/Mobile+Application+Release+Checklist
        2. Also did a Security Scan through OstorLab
    4. DOI Mobile Application Development & Privacy Summary
        1. Informational link only.
    5. Communication and Marketing Plan
        1. As a member of the suite of applications from the Nonindigenous Aquatic Species program, this mobile app will generally follow the NAS program plan. That said, a mobile app specific PDS has been created also.
    6. Peer Review input: Code Review and Science Review
        Reconciled Peer/Science Review done and in IPDS
3. Review & Approval
    1. Documentation for BAO Approval
        1. Peer Review Documentation
            1. Code Review
            2. Policy Review
            3. Science Review
        2. Security Review Results Documentation
        3. User Testing Documentation
4. Publication & Monitoring