

UPDATES

- The Marin County fine scale vegetation map has been completed! The map is an 82-class vegetation map of Marin County with 96,636 polygons. The fine scale vegetation map represents the state of the landscape in 2018 and adheres to the National Vegetation Classification System (NVC). The map was designed to be used at scales of 1:5,000 and smaller. Please refer [to this datasheet for more information and to download/access the map](#).
- Next steps for the overall fine scale vegetation mapping effort include completion of the floristic classification report including alliance and association level descriptions, as well as a formal accuracy assessment, development of the final mapping report, and integration of percent impervious attribution. This work is expected to be completed between June and August 2021.
- Countywide impervious surfaces mapping is ongoing, with a high-quality draft of the countywide impervious map expected by mid-June. We will be creating a web map so that stakeholders can review the draft impervious dataset and provide feedback or suggest edits. [Here is a link](#) to the impervious mapping kickoff slide deck detailing the scope of work and methodology.
- The countywide lidar-derived hydrological system mapping is complete, and the stream flowlines/features for Marin County were accepted by USGS and are now included in National Hydrography Dataset (NHD) National Map. USGS publishes that data as a [map service here](#), and on [ArcGIS online here](#). The updated Watershed Boundary Dataset (WBD) features (HUC-12's and HUC 14's) are currently in final review by the WBD National Technical Coordinators and CA NHD/WBD State Steward. WBD finalization is expected in July 2021.

PROJECT SCHEDULE

Milestone	Status	
6-inch, 4-band ortho imagery acquisition and post processing	✓	Completed June 2018
Vegetation Field Sampling for floristic classification	✓	Completed July 2019
QL1 Lidar Acquisition	✓	Completed Winter 2019
1-foot countywide lidar derived contours	✓	Completed December 2019
Additional lidar derived products (DEM, DSM, hillshade, raw ladder fuels raster, canopy height model, canopy closure model)	✓	Completed January 2020
Final Vegetation Lifeform Map	✓	Completed June 2021
Lidar derived hydrological system mapping (NHD update complete; WBD ongoing)	➡	In process (est. July 2021)
Marin countywide vegetation classification analysis, descriptions, and final key	➡	In process (est. June 2021)
Countywide lidar derived impervious surface mapping	➡	In process (est. July 2021)
Countywide Fine Scale Vegetation Map	✓	Completed June 2021
Accuracy Assessment and Final Report	➡	July/August 2021

DATA ACCESS (see page 2 below)

- **2018 Orthoimagery**
 - **Access:**
 - Access ArcGIS Service Endpoint [here](#)
 - Imagery Technical Report [here](#)
 - Direct Download Imagery (MarinMap) [here](#)
- **2019 QL1 Lidar**
 - **Access:**
 - Direct Download Complete Technical Report (3 MB) [here](#)
- **2019 Lidar Derived Products**
 - **Topographic Products**
 - Lidar derived DEM_Harn (MarinMap Service) [here](#)
 - Lidar derived DEM_WGS (MarinMap Service) [here](#)
 - Lidar derived DSM_Harn (MarinMap Service) [here](#)
 - Lidar derived Hillshade_Harn (MarinMap Service) [here](#)
 - Lidar derived Hillshade_WGS (MarinMap Service) [here](#)
 - Lidar derived 1-ft Contours (visible at 1:1000 or below) [here](#)
 - Lidar derived [Slope](#)
 - Marin Map Directory [here](#)
 - **Additional lidar Derivatives**
 - 1-meter canopy height model [datasheet](#)
 - 1-meter canopy height model [File Geodatabase Raster](#)
 - 1-meter canopy closure [datasheet](#)
 - 1-meter canopy closure [File Geodatabase Raster](#)
 - Raw [ladder fuels datasheet](#)
 - Raw ladder fuels [File Geodatabase Raster](#)
- **Landcover**
 - **Vegetation**
 - Countywide Vegetation Lifeform Map [here](#)
 - Countywide Forest Lifeform Map [here](#)
 - Countywide Fine Scale Vegetation Map [here](#)
 - Standardized 2004-2014 Vegetation Map – MCP & MMWD Areas Only [here](#)
 - **Hydrography**
 - Lidar derived flowlines/steams, waterbodies, etc. via [USGS GIS Service](#) or [ArcGIS online](#)

Questions? Email dfranco@parksconservancy.org