

MARINMAP STATUS REPORT JULY/AUGUST 2012
Wayne Bush, Program Director

I made initial contact with TAM and followed up by asking the Executive Director to assign a staff person to start the process of executing the JEPA and paying the bill.

There have been no further comments or responses from the Fire Chief's Association regarding membership since their initial comment of getting back to me later. The MarinMap Matrix Team, however, is being responsive to Marin County Fire for their portion of the datasets necessary to work on the Association's centralized grant. Fred Vogler has met with representatives of the Fire Chiefs' Association and the project manager and lead vendor regarding the Chiefs' common operating picture project. The Chiefs need MarinMap data and the project manager believes that the Chiefs should enter into a business relationship with MarinMap in order to receive GIS services necessary to maintain Chiefs' data. This would imply that the independent fire districts would join MarinMap as a member.

We have compiled the sewer data from the SASM member agencies and are about to publish it in the MarinMap members only data viewer. It is anticipated that the SASM managers will start using MarinMap for basic viewing of their infrastructure, layered against a background of relevant data. In the future, we hope to build a separate application specific to sewer agencies. We also intend to publish sewer data for all of Marin, or at least those agencies that will cooperate.

I wrote to the Public Works Directors and reported that we have published benchmarks from the National Geodetic Survey for their use. This project is cooperative with the Marin County Surveyor's Association, as it both provides information to agencies, surveyors and the public, as well as being a tool to assist local agencies in protecting and preserving benchmarks (as required by law). This data is public and available to everyone.

I also wrote to the Public Works Directors about MarinMap's Road Classification Project. This project was done with their endorsement. Its preliminary goal is to centralize all of the member cities and county's road classifications. Classifications are in two parts: Arterials/Collectors/Locals, and functional classes such as trails, alleys, driveways, railroads etc. It turns out that agencies have at least two places where they classify roads according to arterial/collector/local: the MTC required Streetsaver pavement management database, and Caltrans, who uses it for determining eligibility for federal grants. We have made an application for members to view the (cleaned up) Streetsaver data graphically, and pointed the Directors to the Caltrans site for what is sent for Caltrans classifications. The two are not always the same, and we hope to unify the data by getting changes from the Directors. It's possible that some agencies may specifically want different datasets between Streetsaver and Caltrans, but we hope by developing this application, that the decision is conscious.

The Matrix Team continues to support local endeavors such as Ross' traffic control inventory and Mill Valley's permit tracking/GIS linkage.

The Community Base Map project is complete and the map is published in GIS applications. It is now being used on our website, as well as being available via ArcGIS and standalone. The map is a cartographically elegant compendium of GIS data for viewing or plots. It is also standardized, as it has been published at ESRI's database for viewing by the world.

A “document of record” digital elevation model (DEM) has been created from the best available data including LiDAR from USGS-sponsored Golden Gate project plus LiDAR from USGS and FEMA. This model will be used to calculate slope, build elevation contours and flow lines in the National Hydrography database. The DEM also supports 3D modeling of the earth’s surface in Marin County. A draft of the 2012 National Hydrography Database flow lines will be distributed to members for review during September. Note that “streams” are now physically connected to “storm water system infrastructure” to define a NHD “flow line”. All streams are classified as perennial, intermittent or ephemeral.

Beginning in September Matrix Team staff will generate new elevation contours from the DEM. MarinMap Executive Committee should decide on what scale of contours to generate and how to index them for publication and analysis.

A “road moratorium” GIS application will be published in September that will show the public which street have been recently paved and therefore are excluded from any subsequent digging for at least five years.