

DATE: March 6, 2014

TO: MarinMap Steering Committee

FROM: Wayne Bush, Program Manager

ACTION: Recommend project expenditures in the amount of \$53,000 from the 2012/13 fund balance

BACKGROUND AND ANALYSIS:

MGSA research has revealed that the 2012/13 Fund Balance in the MarinMap account is \$76,000 greater than was anticipated during budget preparation. These funds appear to be in the organization's Reserves account, and represents MarinMap's annual contribution to reserves for the past several years. Additionally, MarinMap's dedication to a future orthophoto project in the amount of \$20,000 is included, leaving \$56,000 unprogrammed.

After working with the Matrix IT group on unfunded needs, the following list of projects in need of funding in this fiscal year was compiled, which total \$53,000:

1. FEMA Letter of Map Change GIS application \$12,000

Complete the FEMA LOMC GIS application as defined by subcommittee (Bill Voigt as lead) and implement change orders submitted by Bill Voigt. \$8039 already invoiced and is part of proposed amount.

2. Community Base Map conversion to MarinMap projection \$3,000

Build a current copy of the Community Base Map in MarinMap's standard projection: California State Plane Coordinates, NAD83, HARN, US Survey feet.

3. National Hydrography Database \$10,000

Supplement the existing \$15,000 allocation to complete the NHD with fully attributed high-resolution flow lines. This is a partnership project with Marin County, with significant efforts being budgeted other than this contribution.

4. Watershed Boundary Update \$8,000

Digitize watershed boundaries using the LiDAR-based Digital Elevation Model (DEM). Watersheds are integral to the National Hydrography Database and flow lines must be aligned within watersheds. It is appropriate for flow lines and watershed boundaries to be at the same scale and have the same precision. There are 25 watersheds that would hold the flow lines digitized at 4,800 to 9,600 scale. Each of these watersheds will have approximately 4 to 16 drainage areas.

5. GIS application conversion to REST technology \$20,000

Microsoft has abandoned its web ADF technology upon which our second generation GIS applications are built. ERSI and Latitude Geographics (makers of Geocortex, our application development toolkit) have stopped supporting web ADF. The current

technology, known as REST ([Representational State Transfer](#)), will be the industry standard until the next one. Geocortex toolkit is now coded in modules to more easily adapt to changes in web server technology. Matrix GIS Team has already committed to developing all new GIS applications using REST with Microsoft Silverlight and HTML5 browsers, the latter used for mobile applications as well as desktop. The existing web ADF-based applications could be converted during calendar year 2014. Proposals will be submitted for each application.

This list was presented to the MarinMap Executive Committee, who endorsed the above as proposed amendments to MarinMap's project budget. Should the project expenditure amendment be endorsed by the Steering Committee, there would remain \$23,000, of which \$20,000 represents the set aside funds for a future unspecified orthophoto project, and \$3000 in reserves. Any subsequent changes to the Reserve account must be endorsed by the Steering Committee and approved by the MGSA.

It should be noted that MGSA does not need to approve individual line item projects, only the total budget for the proposed fiscal year's projects. In years past, the Steering Committee has been presented with line by line project costs and descriptions. On the same agenda with this proposed budget amendment is a request for the Steering Committee to also no longer approve line by line project costs and descriptions, and delegate individual projects and costs to the Executive Committee. Should this action to delegate budgeting authority be supported, the Steering Committee action would be to approve the transfer of \$53,000 from Reserves to the Project account, and the line item descriptions and costs would be informational only. Should the action not be supported, the Steering Committee will be approving the transfer as well as the above projects and costs.