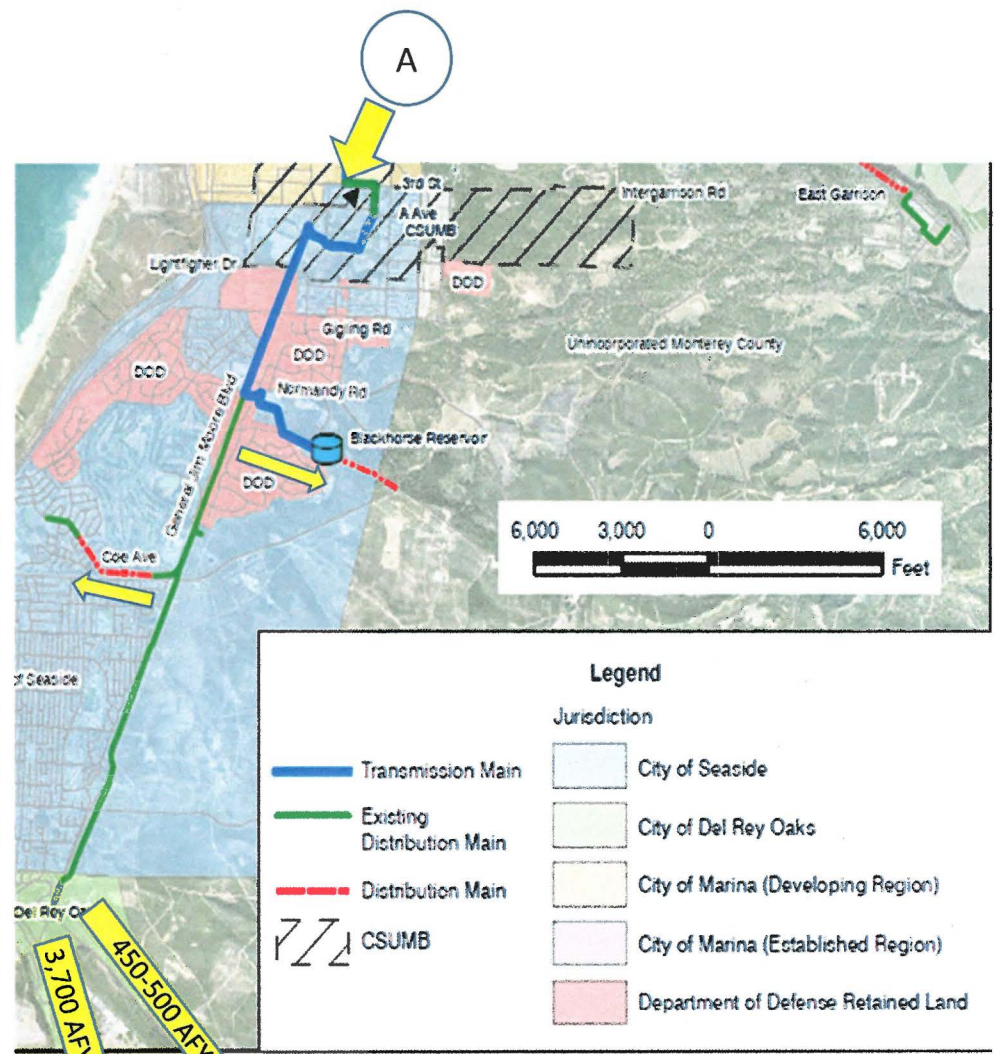
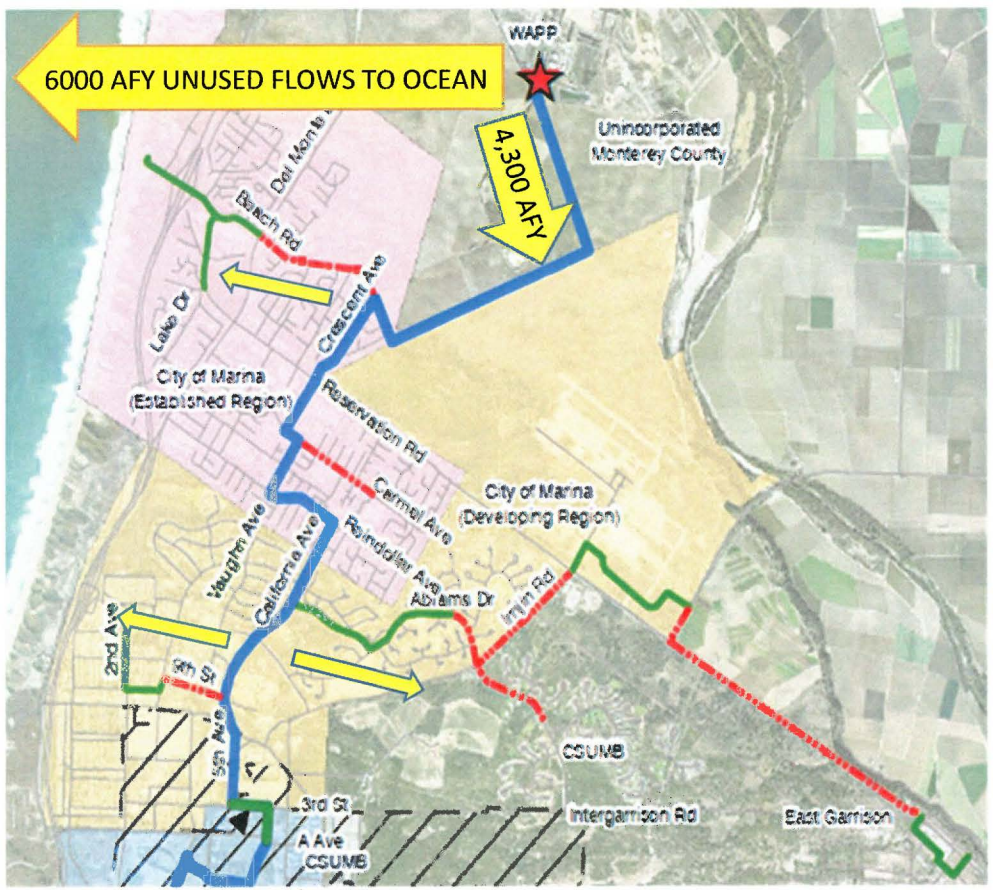


ATTACHMENT 1

Pure Water Monterey ("PWM") and Regional Urban Water Augmentation Project ("RUWAP")

Current Project: On line by May 2019 for phase 1 for 4,300 afy (with option to build up to 5,127 afy if needed).



A

SEASIDE BASIN INJECTION FOR CAW USE

TO MCWD CUSTOMER IN SEASIDE BASIN IN LEUI OF PUMING

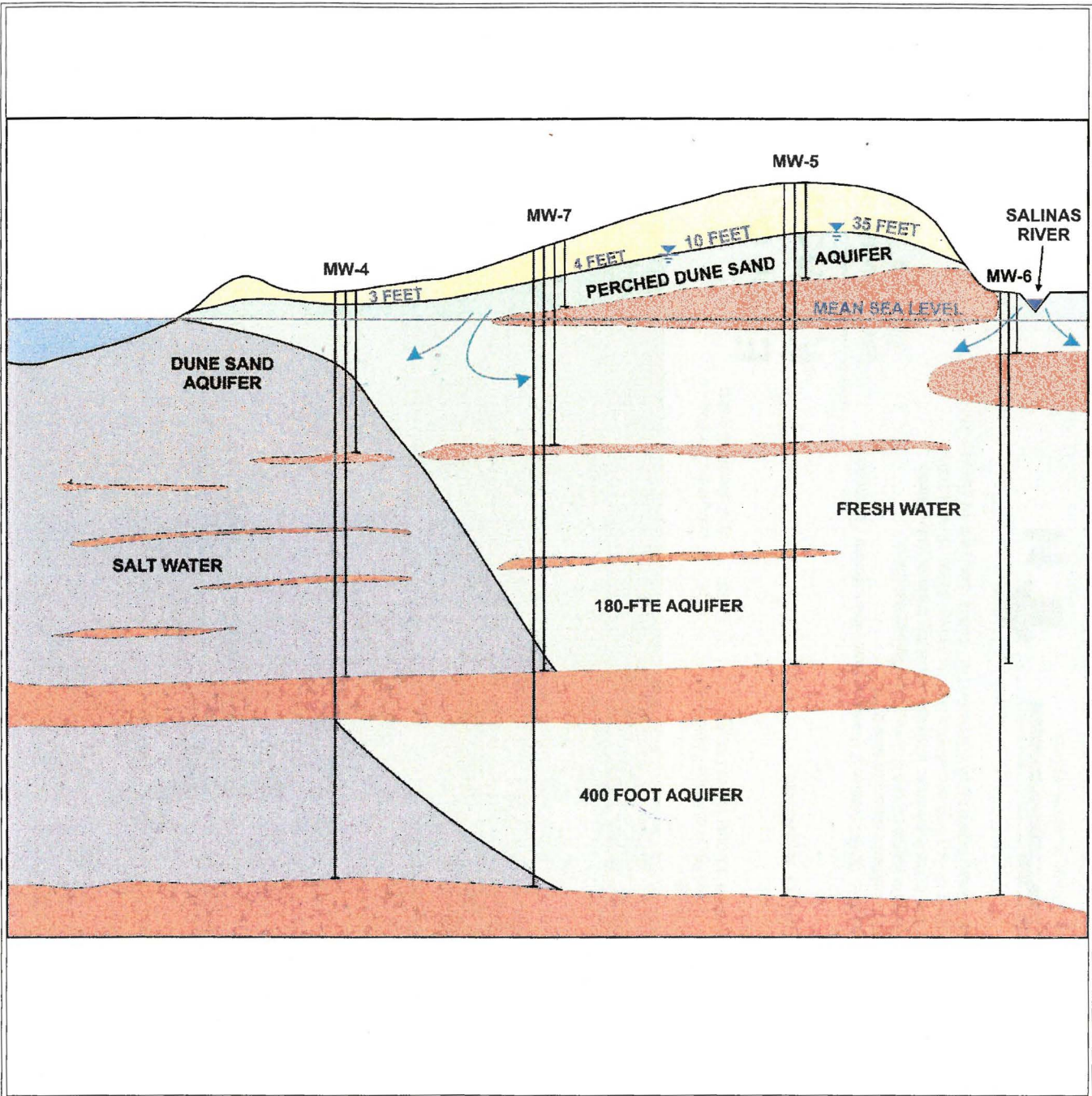
3,700 AFY

450-500 AFY

ATTACHMENT 2

Table 4. Relative Ranking of Project Options Against Select Criteria

Option	Description	Cost	Permitting Complexity	Reliability of Project Yield	Scalability to a Regional Project
Option 1	Infiltrate surplus supplies into the Dune Sand Aquifer and extract stored water from the 180 Foot Aquifer.	Low \$800/AFY	Low if Storm Flows Medium if Recycled Water	Low	Low
Option 2A	Construct SWTP to treat Salinas River storm flows, store surplus in the Dune Sand Aquifer, and convey to MCWD's system.	Medium \$2,400/AFY	Medium	High at 1,500 AFY Lower at >1,500 AFY	Low
Option 2B	Construct AWRP, store surplus in the Dune Sand Aquifer, inject the purified wastewater into the Deep Aquifer, and extract stored water from the existing MCWD wells.	Medium \$2,600/AFY	Medium	High	High
Option 2C	Construct AWRP, store surplus in the Dune Sand Aquifer, inject the purified wastewater into the 180 Foot Aquifer, extract stored water from on-Site wells, and convey to MCWD's system.	High \$3,800/AFY	High	High	High
Option 3	Inject MCWD's allocation of <i>Pure Water Monterey Project</i> water into the Deep Aquifer for recovery by MCWD existing wells. Implement Option 1A for conveyance to Fort Ord.	Low \$2,000/AFY	Medium	High	Low



Notes

1. Adapted from Figure 4 of Reference 1.

Sources

1. Curtis Hopkins, 2016. Technical Memorandum: North Marina Groundwater Data and Conditions, dated 26 May 2016.

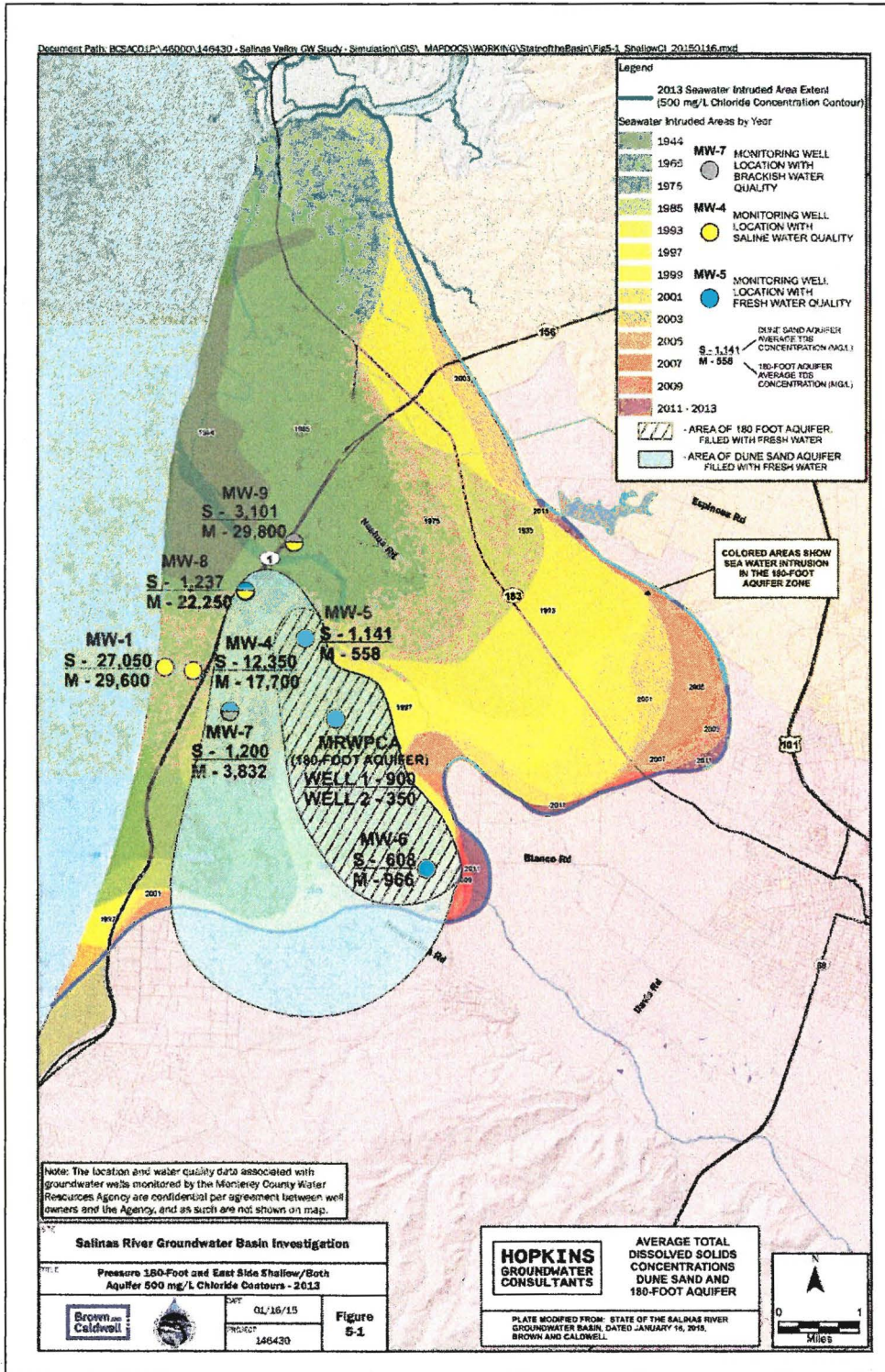
**Erler &
Kalinowski, Inc.**

Conceptual Drawing of the Hydrogeology
in the North Marina Area

Marina Coast Water District
Marina, CA
January 2017
EKI B60094.00

Figure 5

**Figure 6 – Average Total Dissolved Solids
 Concentrations in Groundwater**



ATTACHMENT 3

1.0 Introduction

The Marina Coast Water District (MCWD) required a detailed hydrogeological framework of the area around Marina, California in order to implement ground water management plans. MCWD contracted Aqua Geo Frameworks, LLC (AGF), Stanford University (Stanford), and SkyTEM Canada (SkyTEM) to implement an Airborne Electromagnetic (AEM) survey of selected areas within the MCWD. Specifically, MCWD would like to gain knowledge of the distribution of aquifer materials and their relations to saline waters present in the area. The data acquisition plan is presented in [Figure 1](#). All airborne operations were carried out by Sinton Helicopters under contract to SkyTEM.

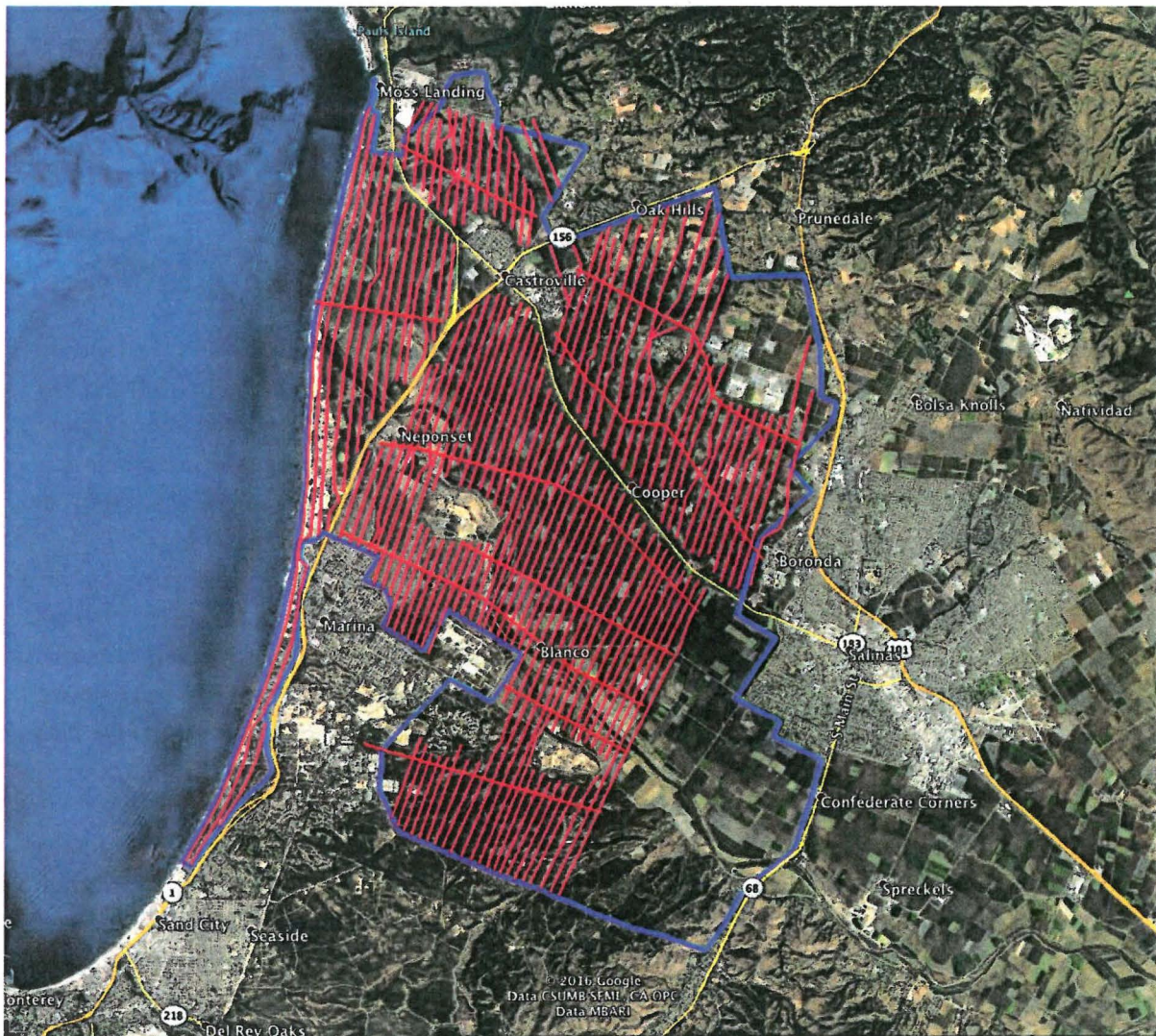
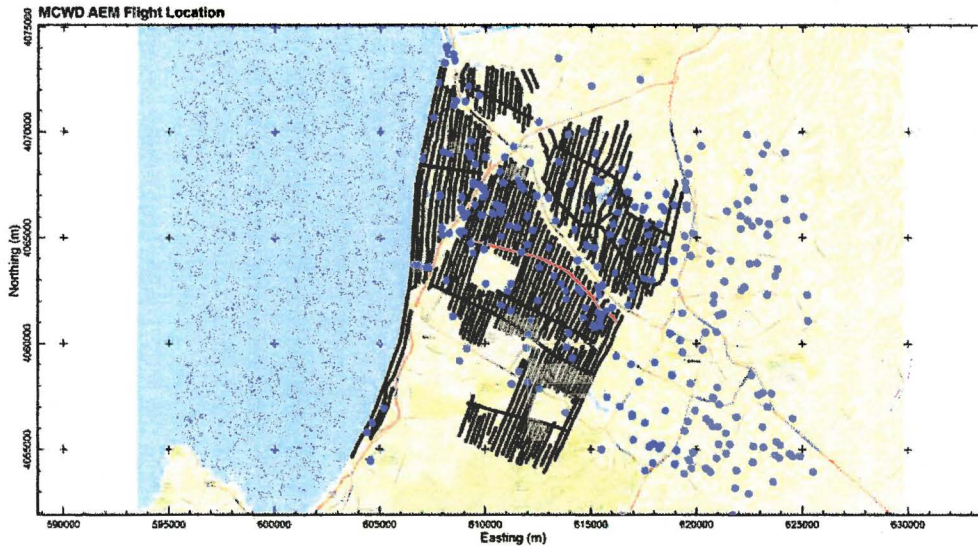


Figure 1. Planned AEM acquisition within the MCWD.

MCWD AEM QA/QC and Preliminary LCI Report



Results of the preliminary inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Marina Coast Water District on May 16-18, 2017. The inversions shown are Laterally-Constrained using the Aarhus Geo Software Workbench versions 5.4.0.0. Boreholes (blue dots) are from a database provided by Stanford University (November 22, 2016). Prepared for the Marina Coast Water District by Aqua Geo Frameworks, LLC.

Gray dashed lines on the AEM LCI Inversion Profile are Depth of Investigation (DOI) approximations (Christiansen and Auken, 2012).

Datum: WGS84, UTM ZOne 10 North (meters), NAVD88 (meters)

- No Sample
- Igneous/Metamorphics
- Limestone, Shale and Sandstone
- Limestone and Shale
- Limestone
- Dolomite and Limestone
- Dolomite
- Siltstone
- Sandstone and Shale
- Sandstone
- Siltstone
- Marl
- Chert
- Gypsum
- Chalk or chalk with interbedded fines
- Shale
- Clayey Shale/Claystone
- Coal and/or Peat
- Volcanic Ash/Bentonite
- Gravel/Sandstone
- Sand and Gravel
- Sand
- Silty Sand
- Silty Clay
- Sandy Clay
- Silt/Loess
- Clay
- Till
- Rock/Str and/or Topsoil

Red line indicates current displayed profile

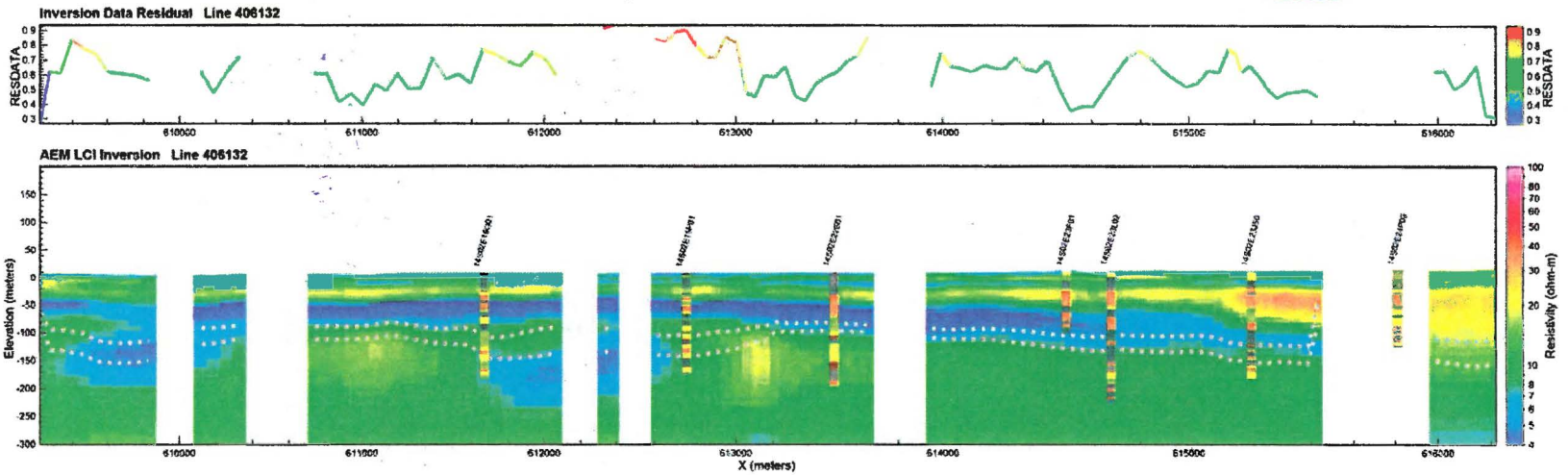


Figure 11. Example of 2D profile displaying the preliminary results of the MCWD AEM survey including local borehole lithologies within the vicinity of the flight lines. The resistivity color scale is on the right side of the profile.

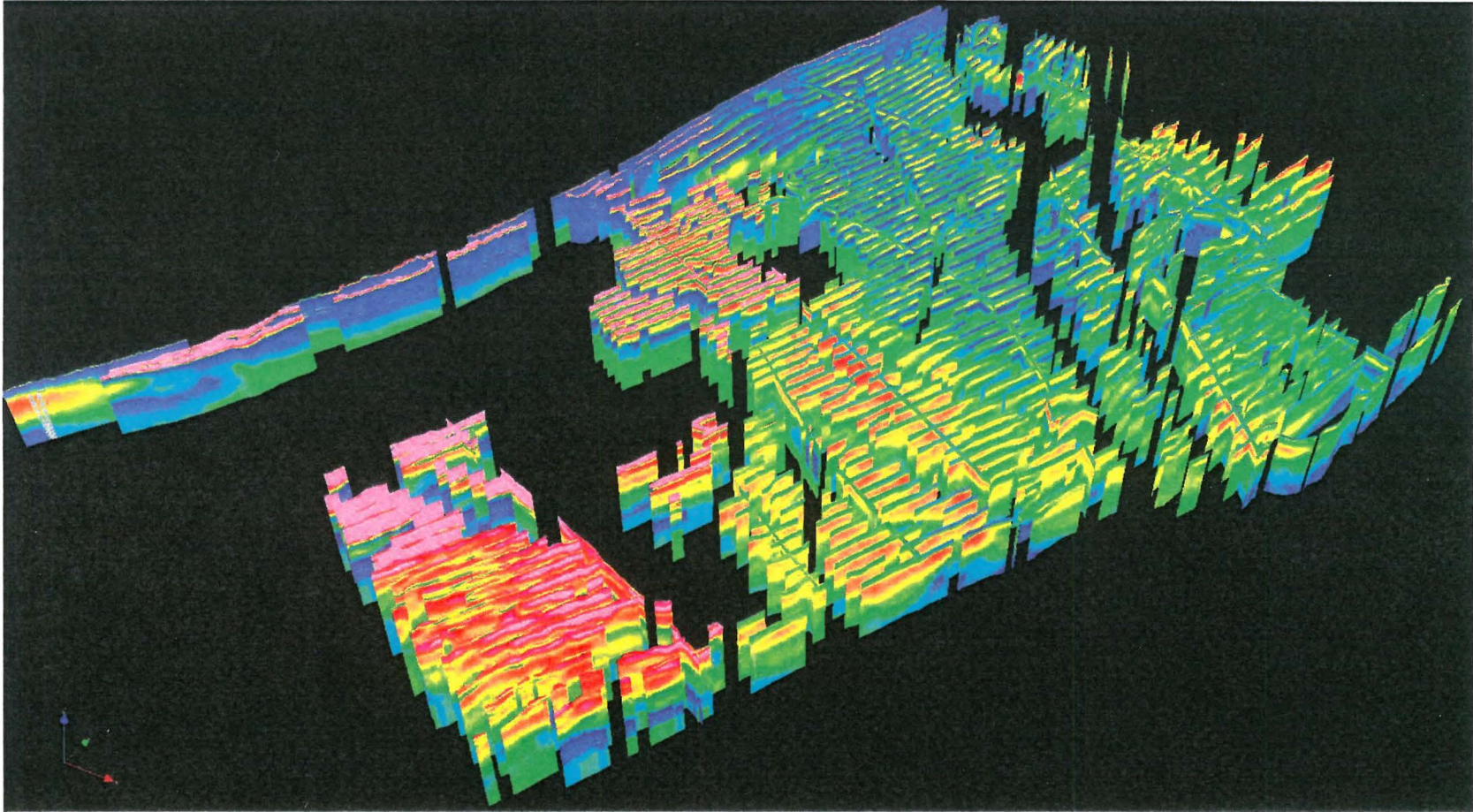


Figure 12. Example of 3D fence diagram displaying the preliminary results of the MCWD AEM survey. The view is to the northwest. The color scale is the same as for the profile in [Figure 11](#).