

WATER PROSPECTOR .COM

SCIENTIFIC GROUND WATER LOCATING

661-714-0111

**water wells
geologist ceg # 966
septic perc test**



The Water Prospector, Scientific Ground Water Surveys

Oct 31, 2020

Luis Cuevas
818 720-7893
Luisfernandocuevas27@gmail.com

Subject: Proposal for Hydrogeological Investigation for New Well Sites
For a 5-acre parcel located on Sacramento Ave in Acton, Ca
Apn 3208015035 next to 4750 Sacramento ave

Dear Luis,

We are pleased to submit this proposal to conduct a hydrogeological investigation for your property.

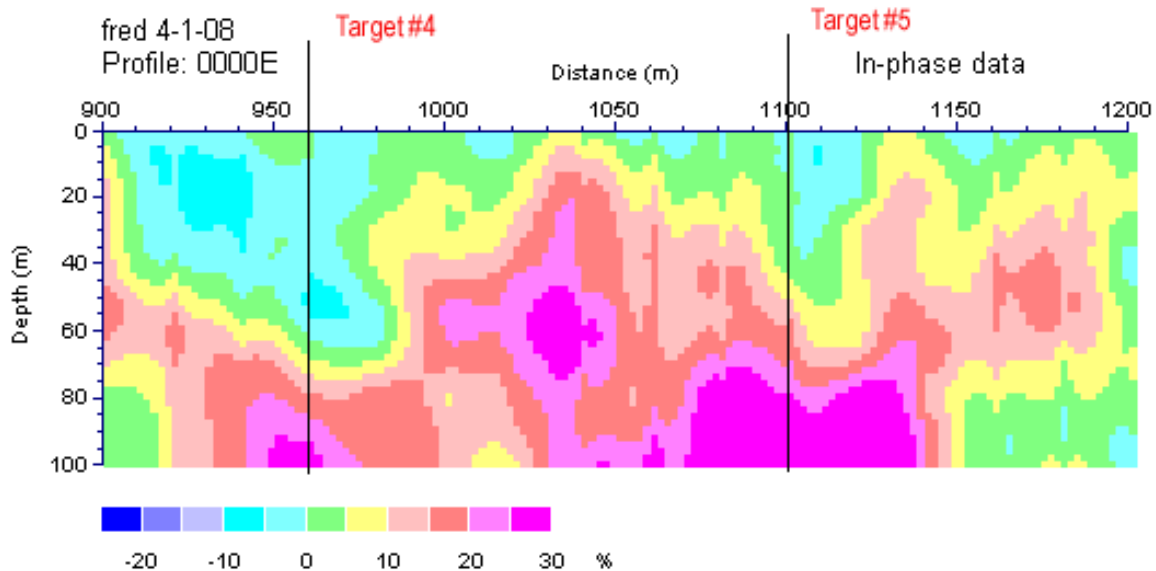
PROPOSAL

The intent of this proposal is to confirm the best target locations for drilling new wells. We feel that a Detailed Groundwater survey of the available open space would be the best approach.

Our scans will allow us to see any potential targets that are located on your property. We will then mark and evaluate all targets that we find during this survey. We will then generate a full report of our results to then help you choose which targets you should pursue.

The electromagnetic survey would use "state of the art" instrumentation methodology to assist us in identifying the best locations for available groundwater. We can identify the size, shape, and depth of existing fractures that underlie the property. Electromagnetic surveys are a proven scientific method that takes the guesswork out of selecting drilling sites. With the VLF equipment, we can view the geologic structure beneath the ground surface. This form of exploration makes use of electromagnetic fields generated from military transmitters located throughout the world and is very well suited for water prospecting in fractured zones.

As shown below, the VLF survey prints out a colored cross section showing underlying strata. From these data, we flag possible well locations where we see potential targets (fractures) in the bedrock.



This scan shows very good targets in the pink colored area that are 100 meters or 340 feet in depth.

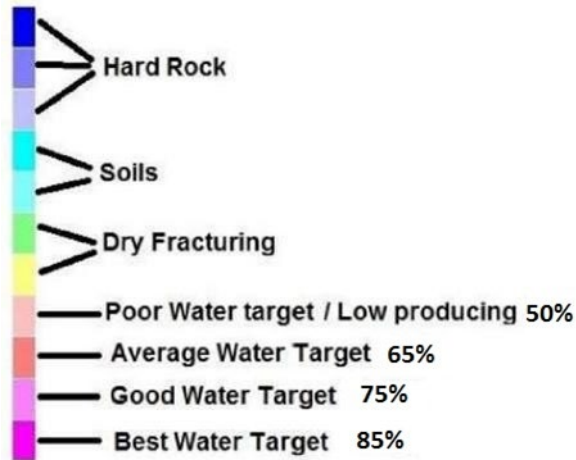
EQUIPMENT LIMITATIONS

It must be realized that these data are not absolute and are subject to interpretation. Clearly there is some risk. Even in areas where we find apparent fractures, it does not guarantee that they have water stored within them.

In general, the longer the runs, the better the quality of the data. Some areas cannot be scanned. Data can be obliterated or badly skewed by the presence of overhead electric wires or buried metal conduits. Metal fences and buildings also obscure data.

The vertical depths of the fractures and alluvium are only estimates. Depths are the minimum estimated depth for drilling, whereas the actual depth to encounter water may be deeper. Fractures do not always contain water and water levels in the fractures are not necessarily the same as the estimated depth of the fracture itself.

Having stated the obvious risks of subsurface exploration, we have had very good success in using VLF surveys in locating wells in bedrock terrain, such as in the Subject area. The system allows us to map the subsurface geology in a rapid and accurate manner at a reasonable cost.



Density Scale Used in Water Prospector Survey

Based upon our experience, the percentages listed on the density scale represent the approximate rate of success for each of the categories of targets.

PROPOSED SCOPE OF WORK

- VLF Survey

Conduct multiple detailed linear scans of the subsurface of the property. The portable unit measures and records the VLF waves at locations along a given traverse.

Data Interpretation and Well Site Selection

Based on the VLF linear scans, we will interpret the scanned data and cross sections and then select the best probable sites for drilling test wells.

Report Preparation

Prepare and submit copies of the hydrogeologic letter report for the site summarizing our findings, conclusions, and recommendations. The report will include all cross sections necessary to demonstrate the hydrogeologic nature and potential water availability of the subject property. **(Please allow up to 2 weeks after the survey for your report to be written and reviewed)**

Survey Schedule

After you have completed our agreement and check list please return by email. We will contact you to schedule your survey date. If you need to cancel or re-schedule the survey, please contact us asap. **We require 48 hours' notice for re-scheduling after that we must charge a \$500 late cancelation fee.**

FEES AND CONDITIONS

Our standard fee for a detailed survey (including labor, equipment, and materials) is as follows:

5 Acre Detailed Groundwater Survey and Report = \$2000.00

Travel expenses. = \$N/A

Total

\$ 2000.00

**Full payment will be due the day of the survey.
Check or Cash**

Please let us know if this proposal meets with your approval?

We have included our agreement.

Please complete it and return by email.

Thank you for this opportunity to submit this proposal to you. If you have any questions, please call us.

(This proposal is valid for 60 days)

Very truly yours,

Ferdinand Metz (President)

Ron Barto,
Professional Geologist (PG 3356)
Certified Engineering Geologist (CEG 966)
Certified Hydrogeologist (CHG 923)

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