



Water and soil quality unit

Report, September, 20

The unit activity in the month was the following:

- 1. Complete preparation of a lecture about water pollution and its dangerous effects on public health to raise the Bedouins awareness and to show the services supplied by the unit to the Bedouins and the local inhabitants.**
- 2. field survey to collect water samples from the wells of saint Katherine and the surrounding wadis to analyze it chemically and to carry out the bacteriological tests , some tests done in the field and the rest left to be done in the center , the survey included the following sites (Al Tarfa, Al Watia , wadi shreij , Al Zitona well , Al Helogy , Wadi Seil and some water samples from Lojr sites).**
- 3. Collection of some samples from the sediment clay from different wadis to be analyzed for it fungal content.**
- 4. Continue in water samples analysis in water quality unit in the center and both of Electric Conductivity (E C) , Total Dissolved Salts (TDS) , percentage of dissolved sodium chloride (NaCl %) , temperature and PH of the samples are measured , then the samples sent to biocide and mushroom production unit to do the bacteriological and fungal isolation and identification tests .**
- 5. Specification of The co ordinates of the working sites by using the GPS instrument and loading it on the maps and pictures**
- 6. Preparation of different maps containing the working sites and surveyed wadis for (water and soil samples).**
- 7. Publishing a pamphlet about the services introduced by the unit to the Bedouins and the local inhabitants in Saint Katherine and the surrounding areas.**

Water and soil quality unit:

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The team work of the center and the unit working in the working sites



One of the prepared pictures from the sky and the working sites with the co ordinates marked with the yellow marker.