

Al sabkha (Salt marsh) and their impact on the plants in Muwaihi al "

"Mur two area in Bahla state

Prepare students: Arwa Hilal Khalaf Al- Mafarji (9/1) 2- Nilofar Sami

Thabet

Jumah basic School 1-9

The supervision by the teacher: Afra bint Talib Bin Hamed Aldihani



References

- 1- Ministry of Heritage and Culture, 2013, (Oman Encyclopedia), I.1, Sultanate of Oman, Ministry of Heritage and Culture, folder fifth season " "السين"page.1717
- 2-Dar Al-Rizouz Educational Library, 2016- 2017, Ijara Educational Series, 5th grade Social Studies, Chapter 1, Sultanate of Oman, Dar Al-Razzaq Educational Library, page 96
- 3- Marghani ,Aly (D.T),Al sabkha (Al sabkha (Al sabkha (Al sabkha (Salt marsh)))) coastal west "Alamein" coast north of Egypt a comparative study in the early life and creating, recovered on 4\11\2018
<http://www.bu.edu.eg/staff/alimarghi9-publications/22257>
- 4-, (31\10\2018) Al sabkha (Al sabkha (Al sabkha (Al sabkha (Salt marsh))))), recovered on 5\12\2018
<https://ar.wikipedia.org/wiki/%D8%B3%D8%A8%D8%AE%D8%A94>
- 5-Ministry of Education, 1437 AH - 2016 AD, Social Studies. This is my country in the history of civilized Oman. Second edition, Sultanate of Oman, Ministry of Education, page 32

Questions study

- 1- What is the cause of death of the plants in the first House, and not death in the second House, despite they were neighborhood?
- 2- What are the proposed solutions to address the problem of soil at the first home?.

A summary of the study

And the question was what is the reason of death of the plants in the first House, and not death in the second House, despite neighborhood? What are the proposed solutions to address the problem of soil at the first home? The

The goal of find is detected chemical properties for samples soil and water and access to the treatment of samples water and soil through experimentation practical Description of how the work : we have to take samples of soil and water from two houses neighboring then examine the soil and water using the globe tools and send sampling to be tested by (agricultural research Center).Next, we have planting seeds of plant watercress in the two soils grown plants in the soil which was not suffer from (Al sabkha (Salt marsh)) for a long time unlike plants in the soil which was suffering from Al sabkha (Salt marsh) grown at first but two weeks after they died so we have to remove the plants withered and we plant plants private and tolerant Salt such as corn and barley ...etc. Finally, we plant the watercress to be sure that the salt on it was removed

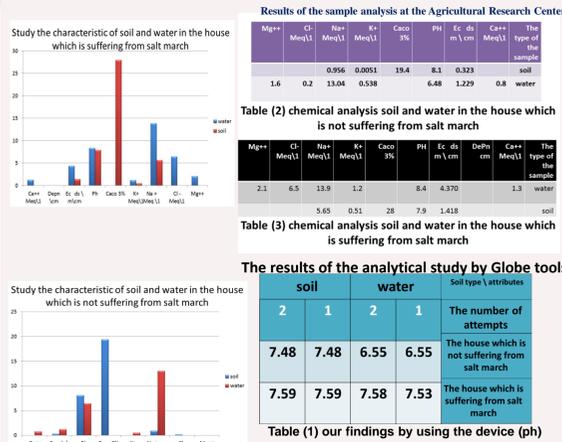
We used the protocol soil and water And the search has reached the results and it is that the salt in the house which is suffering from Al sabkha (Salt marsh) is more than the salt in the house which not suffering from Al sabkha (Salt marsh) and that can be interpreted as follows: The source of the death of the plants in the soil which was suffering from Al sabkha (Salt marsh) is the water which watered by these plants. As for the samples water in the House, who suffer from Al sabkha (Salt marsh) they are high salinity so can be used after mixed water irrigation good and crops very high in carry around Salt like pomegranate , fig , cabbage , eggplant and corn. Consequently recommend team globe fact-study of all the soil and water in the (Muwaihi al Mur two) area because the problem is becoming worse the day. And recommend inventory of homes affected by this problem in the region and solve the problem so as not to get worse. Search terms Al sabkha (Salt marsh): is the land of flat usually located between the desert and Ocean or were previously Lake Hand is characterized by its surface the existence of sediment and salt and gypsoes ... brought wind and tide of water and are not suitable for agriculture because of saltiness. Chemical analysis: is one of the requirements of the chemical and chemistry and students studying medicine and science and pharmacology and analysis of medical where you can identify and determination plug-involved in the installation of chemical analysis chemical qualitative or the qualitative as you can also through the estimated amount of components with article analysis quantitative volumetric or weighted

Al sabkha (Salt marsh) interior: situated mostly in the land confined between chains the mountains of the (Al Higir) and (Dhofar) mountain chain

Steps to make a study

- 1) select the subject of the study
- 2) visit the study and take the coordinates of two houses with GPS
- 3) we have to take samples of soil and water from two houses neighboring one of them is suffering from Al sabkha (Salt marsh) and the other is not suffer from Al sabkha (Salt marsh) and we used the protocol soil and water
- 4) examine the soil and water using the globe tools
- 5) Sampling be tested by (agricultural research Center) to find out the elements of mineral and the proportion of salinity in the water and soil
- 6) we have planting seeds of plant watercress in soils suffering from Al sabkha (Salt marsh) and the other is not suffer from Al sabkha (Salt marsh) we give them the same water and we put them in the same environment
- 7) grown plants in the soil for the house which is not suffering from saltmarsh for a long time unlike plants in the soil which is suffering from Al sabkha (Salt marsh) grown at first but two weeks after almost withered plants soil which is suffering from Al sabkha (Salt marsh).
- 8) We have to remove the plants withered and we plant plants private and tolerant Salt such as corn and barley ...etc.
- 9) we noticed plant growth incurred salinity
- 10) We have the cultivation of plant watercress again with the plant Laster Salt (barley and Atom) because it irresistible salinity and absorb it.

Results



Extract

In light of the analytical results of this study, and through our activation of the Globe program with its tools that support the service environment One of the recommendations we see as important:

- 1- The Globe team recommends investigating all soil and water soils in the Muwaihi al Mur two area because the problem is becoming more and more common.
- 2- The team recommends the competent authorities (Ministry of Municipalities) represented in the municipal section to study and analyze the water and soil for each house in this region to find out the main reason and eliminate it.
- 3- Since this area suffers from the majority of Al sabkha (Salt marsh) residents based on parents words, Globe School Jumah recommends a wider study of this area

