

Acaculation of the consumption of irrigation water for vegetable crops in the Valley



Needed water = 3.7 Milion mq
Available water as planned = 1.8 Milion mq
better than nothing



Country / City ISRAEL , JERUSALEM
 University / School Technion – Israel Institute of Technology
 Academic year (2018) 4th year – final project, B.LA
 Title of the project Dew Trails - Improving the quality of life of the Arab population in Beit Netofa Valley
 Authors Anwar Mahli





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB - Escola Tècnica Superior
d'Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
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TECHNICAL DOSSIER

Title of the project	Dew Trails - Improving the quality of life of the Arab population in Beit Netofa Valley
Authors	Anwar Mahli
Title of the course	LandBasics – Territorial Agriculture in Israel
Academic year	(2018) 4th year – final project, B.LA
Teaching Staff	Matanya Sack, Barbara Aronson, Noami Angel, Hatzav Yoffe, Consultation: Dr. Tamar Berger
Department/Section/Program of belonging	Landscape Architecture Program, Faculty of Architecture and Town Planning
University/School	Technion – Israel Institute of Technology

Written statement, short description of the project in English, no more than 250 words

This project seeks to preserve and improve the quality of life of the local Arab agricultural population in Beit Netofa Valley and ensure a continuous organic landscape for food and livelihood for the next generations.

The challenge is to preserve the qualities of sustainability in the agricultural space, the values of nature and culture, and to find a balance between them, while also providing an appropriate response to economic, social and environmental issues for users in the region.

Proposal for three trails

My proposal is to utilize the rainwater that floods the valley: A proposed open water conduit will feed reservoirs on both sides. This approach is significant from the economic and environmental perspectives, as well as from a social perspective.

The guard structure is called "Ezbi" in Arabic. It provides an opportunity to keep the next generations connected to the local culture, and additionally, the "oasis" serves as a Community Garden.

With regard to the national water carrier, I propose removing the fences and allowing the farmers to reuse the channel strips for organic agriculture or fruit trees free of pesticides. Along the route, areas for social activities, meeting points and sports, accessible for pedestrians and bicycles, will be established.

At one of the important gates to the valley, I suggest setting up a farmers' market with an integral trail and open spaces, which are lacking in the Arab townships in Israel, as well as coffee shops with local Oriental character. This would allow operating independently of distribution centers, which control prices, and ensure a good income for the farmers.

For further information

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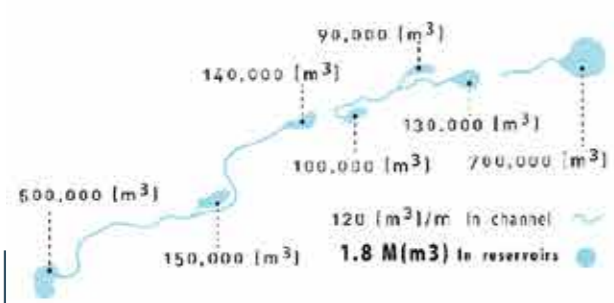
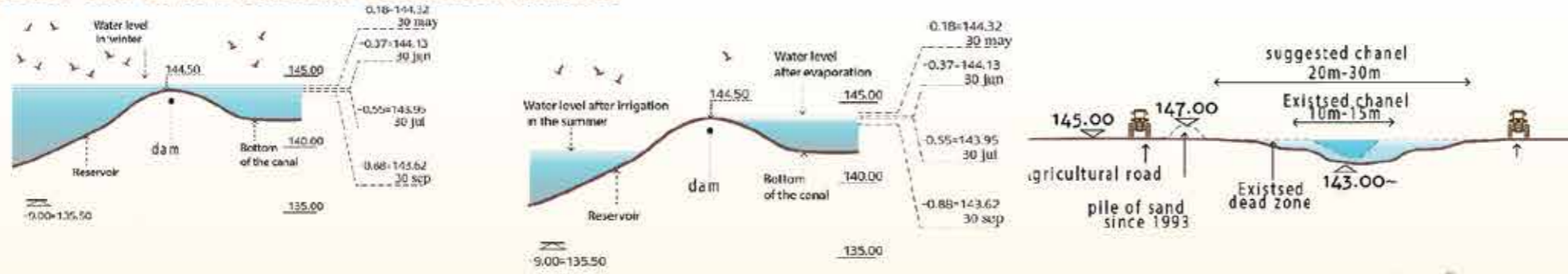
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Consult the web page <http://landscape.coac.net/>

The channel Trail

Social and environmental economic channel

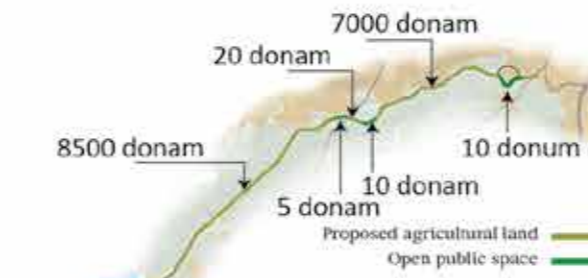


Trail of The National Water Carrier of Israel

reuse the channel strips by farmers for an organic agriculture



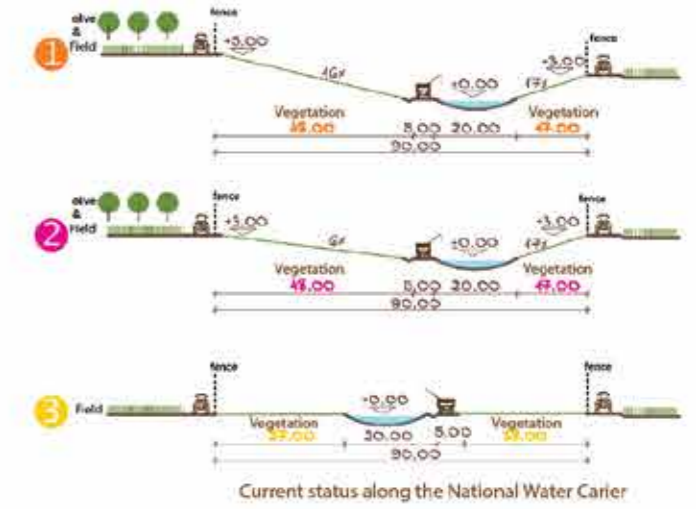
Plan



16,000 Donam
New suggested fields



Topography of both strips along the channel



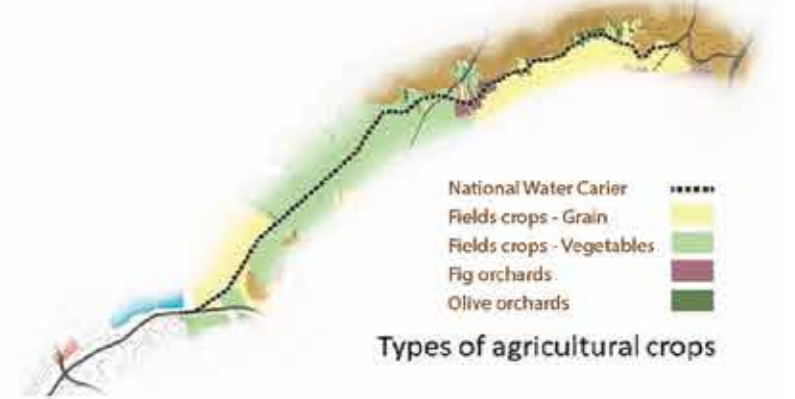
Olive



Pomegranate



Fig



Suggested section -National Water Carrier of Israel



Trail through Gate to the Valley threw Agricultural settlement

agriculture settlements To expand a settlement with a lenear trail

