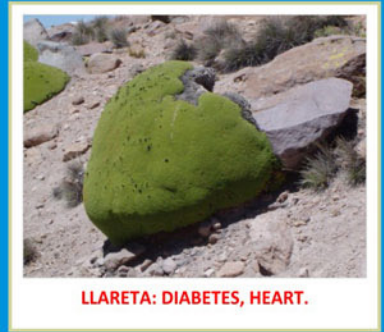


THE DESERT BOTANIC GARDEN

Andean Project & Municipality of Arica, Chile



The andean project was created in great Britain for sustainable development for the peoples of the high andes with a pilot project in arica on the borders of peru and bolivia. The desert botanic garden site is in arica in the "parque centenario" (the centenary park). This site is specially important as the collections of mountain medicinal plants will form part of the overall objectives: research into the plant life of the atacama desert; creation of the desert botanic garden for sustainable development of the high mountain peoples of the andes.



LLARETA: DIABETES, HEART.



JARDÍN BOTÁNICO
Parque Centenario
Arica

1. Entrance plaza
2. Desert courtyard
3. Local crops that travel the world
4. Natural valley plants
5. Village square - flower garden
6. Village terraces
7. Pre-cordillera zone
8. Altiplano - animals and information
9. Café - shop, toilets, terrace
10. Café garden
11. Service area

The site chosen for the atacama desert botanic garden, forms part of the driest and highest desert in the world, and was the result of the municipality of arica acquiring the land from serviu the government body. This enabled the mayor of arica, mr. Carlos valcarce, to designate three hectares of land for the desert garden at sea level. Two further desert botanic gardens sites will be planted at altitude, putre 3.500 m and pacollo 4.300 m, to enable desert gardens at altitude to provide the medicinal plants and others and climatize them to sea level in arica.



PAJA BRAVA: FORAGE.



TOLA: FORAGE.



QUINOA: HIGH PROTEIN CEREAL.



LUPINO: HIGH PROTEIN.



POST COLONIAN CUSTOM HOUSE ARICA

The objectives of the desert botanic garden are several. The most important is the conservation of plants in danger of extinction in the high andes. To ensure this objective experimental planting of these unique medicinal plants and others (in the food industry, eg potatoes and tomatoes, etc), will be studied. To cultivate plants from the high andes at different altitudes different techniques will be a part of an ongoing process. Tissue culture in laboratory conditions in putre transplanting where appropriate and other systems where specific plants are diagnosed of special medicinal importance (eg llareta, chachacoma and rica-rica).



MORRO ARICA



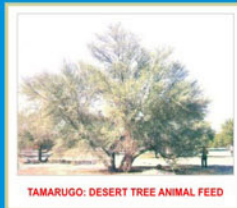
ALPACA: FORAGE, PAJA BRAVA, TOLA.



HUMMINGBIRD IN DANGER OF EXTINCTION HABITAT ARICA



DESERT BOTANIC GARDEN PUTRE 3.500 M.



TAMARUGO: DESERT TREE ANIMAL FEED



GUANACO: FORAGE, PAJA BRAVA, TOLA.

Why a botanic garden in the desert and why in arica?

Arica is ideally positioned geographically to travel by rail and road transport to the borders of peru and bolivia to an altitude of 4,500 m. With constant people movement to peru and bolivia from arica chile. Here arriving at the border town of visviri the province of parinacota an area within a few kilometers of peru and bolivia standing viewing from chile it is possible to view three countries at once an unforgettable tourist experience. Travel to the surrounding countries by train and road is largely used for transport of goods people and tourists to and from the three countries in an evermoving stream travelling up or down this international highway. The gardens will allow travellers to see and observe andean plants growing in their natural habitat many of which form part of the medicinal plants used in medicine by the ethnic groups from the andes for millenniums. The desert botanic gardens in putre and pacollo will demonstrate experimental planting of the plant life of the high andes and those who acclimatize will be planted at sea level in the desert botanic garden in arica. These plants will be able visitors and researchers to have access to the hundreds of plants both dried for identification and where possible growing for visitors to enjoy and study the desert plants in the botanic garden a garden for the people of arica and the world.

