

## Some examples from around the world

Slides used during discussion  
IWA-Leading Edge, Prague, June 2004

Ruud Kampf  
Waterboard Hollands Noorderkwartier

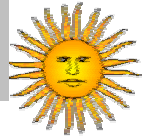


## Waterharmonica constructed wetlands

- a constructed, optimised water system

- Some examples:

- Florida
- Oman
- South Africa
- California



- works on solar energy

A constructed wetland to make a "living water"  
from treated waste water

## Eco-ponds Florida



Tri-colored Heron

## STP Muscat, Oman



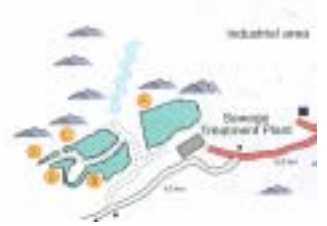
## STP Muscat, Oman



## STP Muscat "Al Ansab" lagoons



Constructed wetland, with ponds for effluents to be used in city green



## STP Muscat "Al Ansab" lagoons



"the man-made ponds at Al Ansab Sewage treatment Plant, the top birding spot of the Capital area of Muscat"



## Kommetjie, Capetown

Carrousel, ca. 20.000 p.e.



## Kommetjie ponds for after treatment



4 ponds



## Cape Town, huge effluent ponds Cape Flats Waste Water Treatment Works



"This large sewage works of 306 ha is one of the best birding spots close to Cape Town"



## Ekeby wetland, Eskilstuna, Sweden



<http://www.kuail.se/~leilin/vatmark/wetland.htm>



Ekeby  
Sweden

- since 1999
- 30 ha water
- 90.000 p.e.

## Arcata Residents



*"Flush With Pride"*



## ARCATA MARSH INTERPRETIVE CENTER



to stimulate understanding of the Arcata Marsh Wildlife Sanctuary, it's relationship with Arcata's integrated wastewater treatment system.....



# Arcata Welcomes Birders

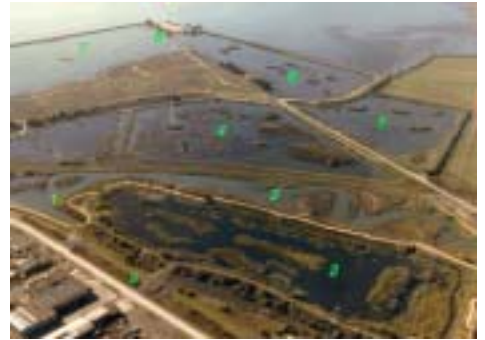
*Birding*



at the  
Arcata Marsh and Wildlife Sanctuary



# Arcata Marsh, aerial view







## Arcata Aquaculture Project

City of Arcata, Humboldt State University

### THE BENEFITS OF WASTEWATER

