

Floating Cages

Dr. Majid Makky Taher

Floating cages is a system used in cultivation fish. Principles of cultivation don't differ about other systems, But FC have positive characteristics as follow

1- Fish cultivated at the same ecosystems that she live, such as rivers, lakes, gulfs, seas, ...etc

2- There are no need for water replacing or aeration

3- Fish can be cultivated in high density comparing with other systems except closed system

4- Floating cages can be transported to new place if there is need for that

5- Fish are easy to monitored and also easy to handle and harvested

6- There is no need for land, so competition with other agricultural projects will be nill

Site selection conditions

1- water must be cleaned as possible and don't have floating and fowling materials

2- Water velocity may be between 10-100 cm/second to get feces out of cage and bring new water with high level of dissolved O₂

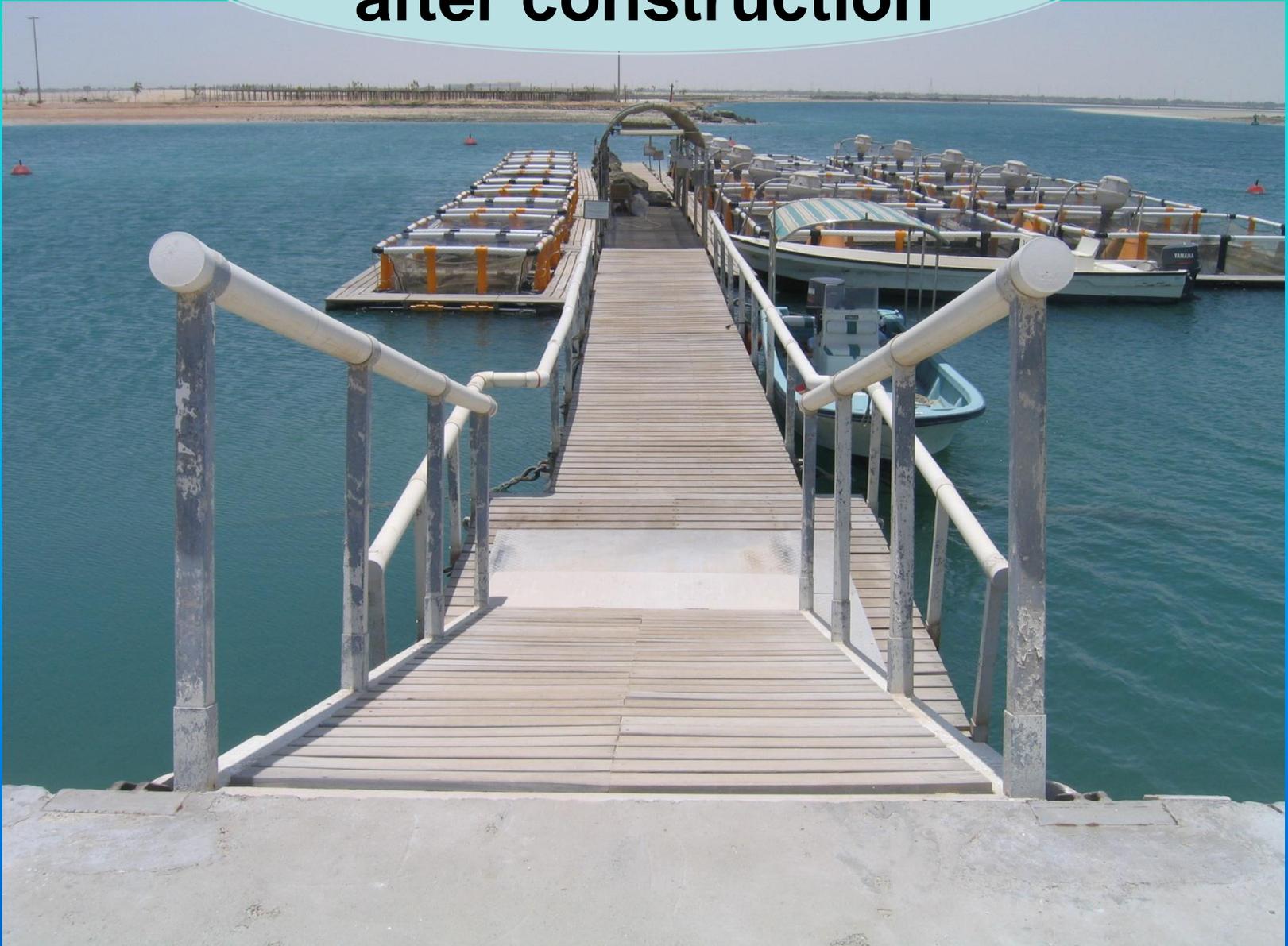
3- Cages location must be far away from water transporting and swimming animals especially buffalo

4- Cages location must be far away from pollution resources

5- Cages location must be protected from strong winds



Sea Floating Cages after construction



Small floating Cages (2.5×2.5) M



Large Floating Cages (5×5) M



Automatic Feeders



Fixation of Cages



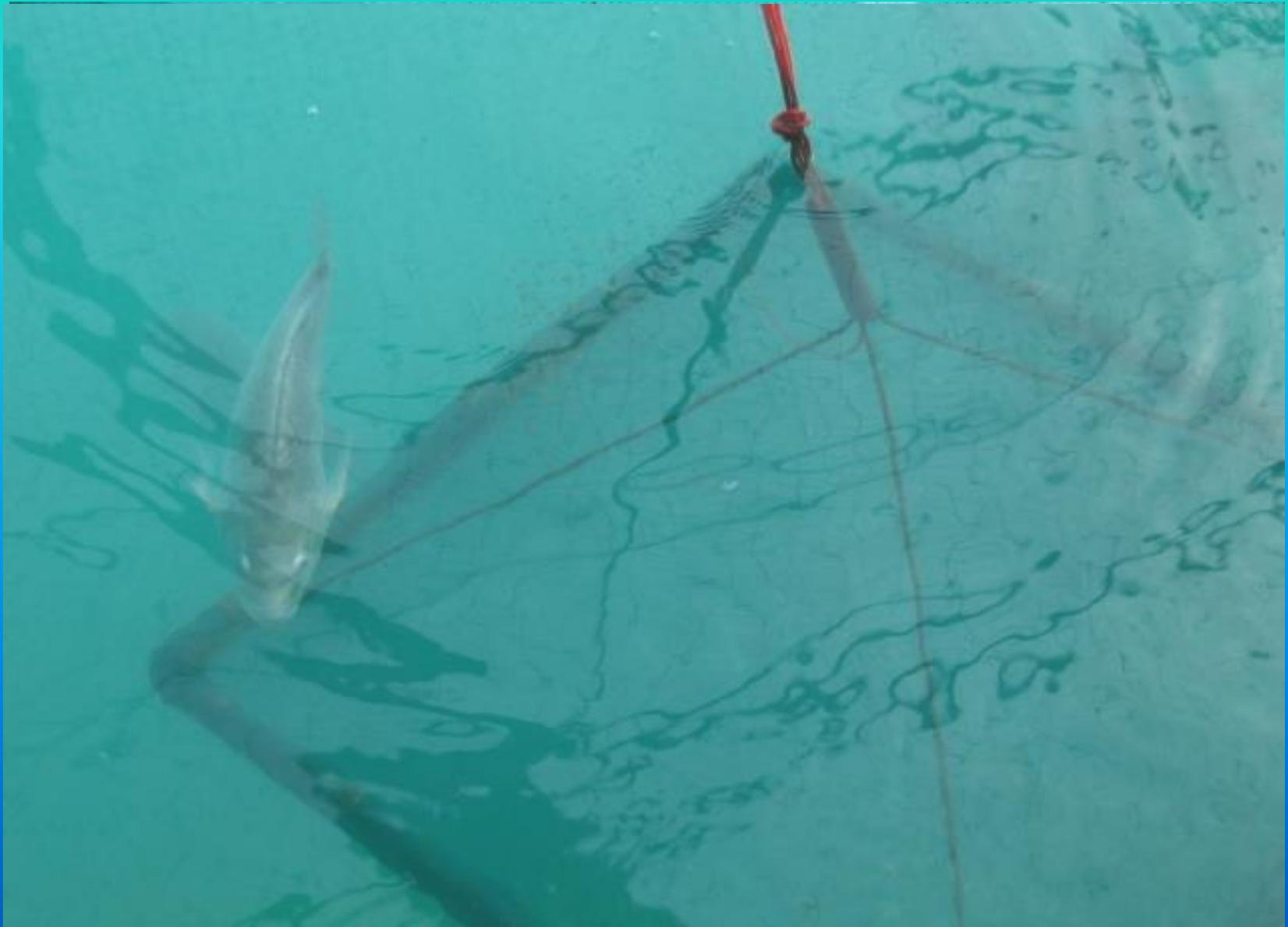
Circular Floating Cages



Iron Floating Cages



Feeders in Iron Floating Cages



Nets Replacing



Floating Cages Transporting



Cages constructed from plastic drums and Iron pipes



Fiberglass Floating Cages



Cage constructed from PVC pipes and wooden layer in (Chebaish, Nasiriya, Iraq) 2008

Materials used in construction of floating cage

Anchors



Styrofoam



Plastic Pipes



Plastic Connectors



Steps of Construction

1- Transporting materials to the selected site



2- Connecting plastic pipes together to make main frame (down frame) of cage



3- Fixing the wooden layers on the main frame to make pathways around the cage



4- Moving the main frame of cage to the water



5- Fixing the main frame of cage at selective site



6- Connecting the up frame of cage with main frame and hanging the net to the up frame

Cage now ready for fish



2008/04/09

Fish Transportation

Grass carp (*Ctenopharyngodon idella*) was transported by track from Marine Science Center hatchery in Basrah to Chebaish and put inside the hanging net



Fish Feeding

During five months from May to October grass carp was daily fed mainly on about nine natural aquatic plants which brought from Al-Chebaish Marsh



Fish Harvesting

At October all fish are harvested and measured (TL & W)

