

Yellow Perch



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Favored sport fish, but not usually stocked for resource enhancement

Recreational pond stocking

Highly valued as a food fish

Traditional food supply - Great Lakes

Decline in landings

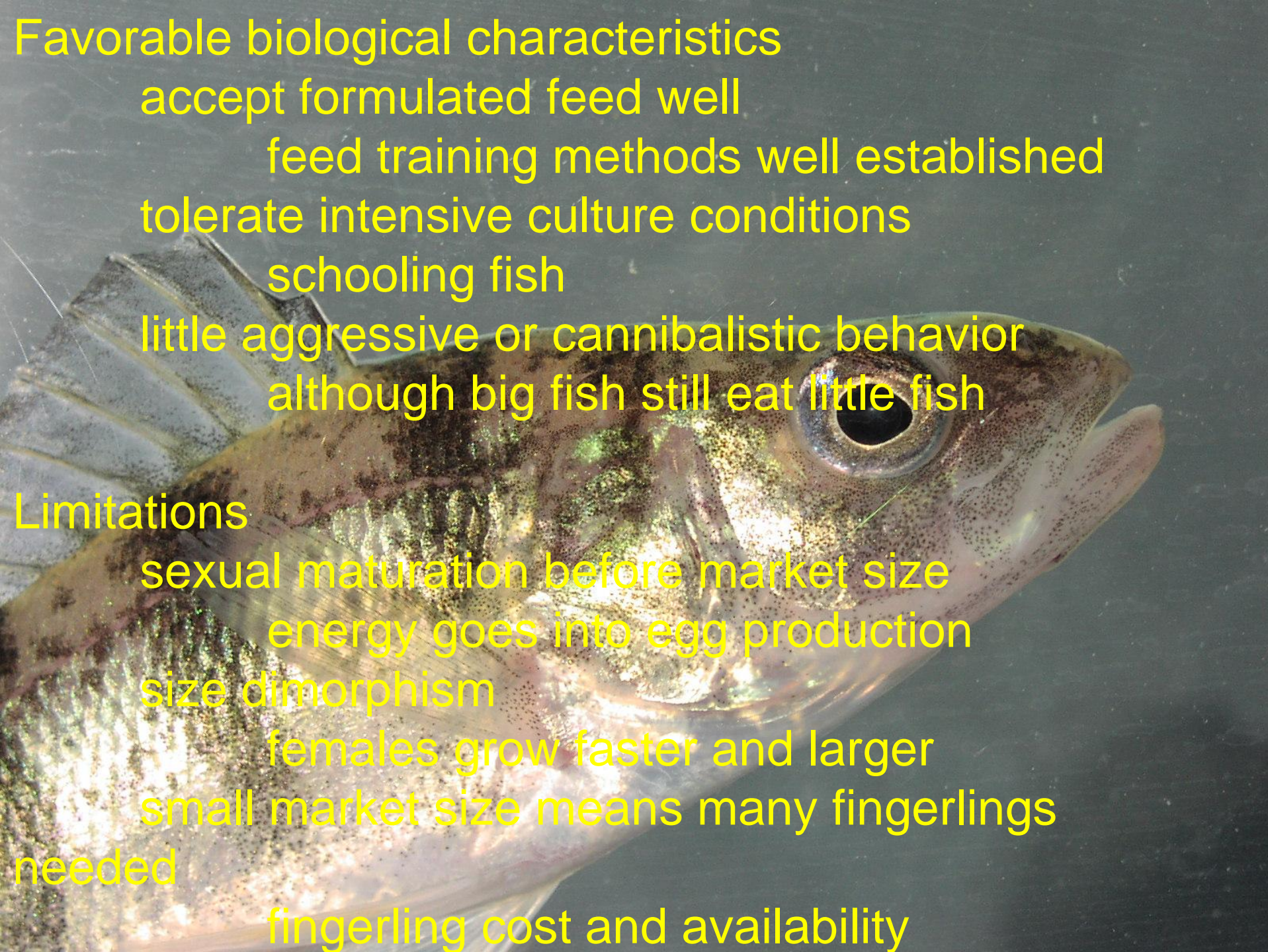
Market opportunity for farmers

Low supply/high demand

\$14/lb retail fillets

\$3/lb in the round wholesale

Easy to sell



Favorable biological characteristics

- accept formulated feed well

- feed training methods well established

- tolerate intensive culture conditions

- schooling fish

- little aggressive or cannibalistic behavior

- although big fish still eat little fish

Limitations

- sexual maturation before market size

- energy goes into egg production

- size dimorphism

- females grow faster and larger

- small market size means many fingerlings

- needed

- fingerling cost and availability



QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.



www.wisconsinaquaculture.com

Pond Culture

tandem pond-tank method

small (1 acre) drainable ponds

water temperature 72°F (<80°F)

D.O. >4ppm

growth 0.5g/d ave.

2-3 growing seasons to market size (4/lb)

3,000 lbs/acre growth (20lbs of food/acre/day)

Recirculation Aquaculture Systems (RAS)

numerous attempts-little success

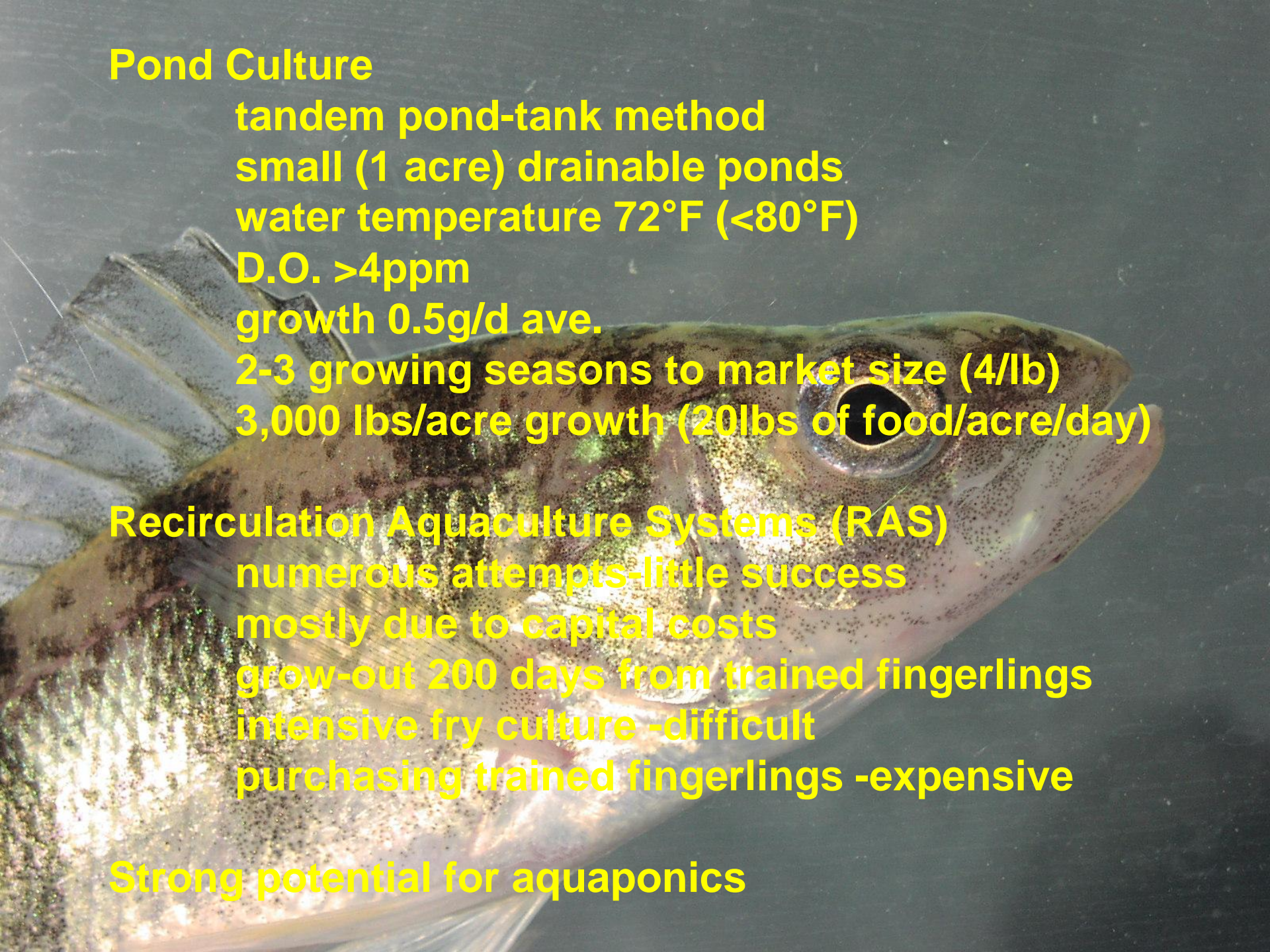
mostly due to capital costs

grow-out 200 days from trained fingerlings

intensive fry culture -difficult

purchasing trained fingerlings -expensive

Strong potential for aquaponics



A photograph of a yellow perch aquaculture pond. The water is calm and reflects the sky. In the background, there are trees and a building. A person is visible in the water on the left side, possibly working with the fish. The text is overlaid on the right side of the image.

Successful Yellow perch operations:

Pond based

Make their own fingerlings

Use vertical marketing integration

fertilized ribbons (\$20 ea.)

hatched fry

trained fingerlings (\$.10/inch)

1 yr old stockers

market size

Value added product (fillets)

Direct sales in niche markets