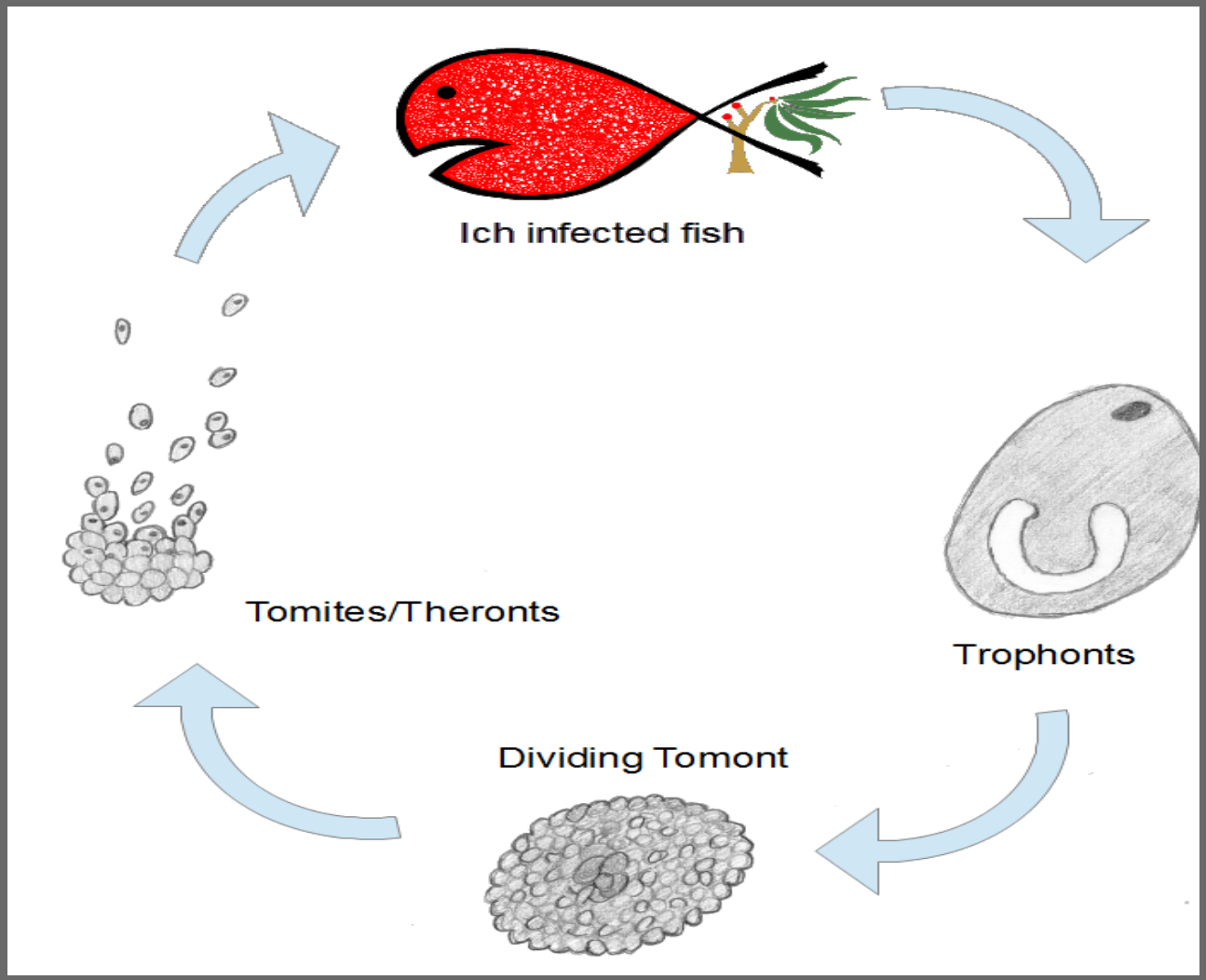
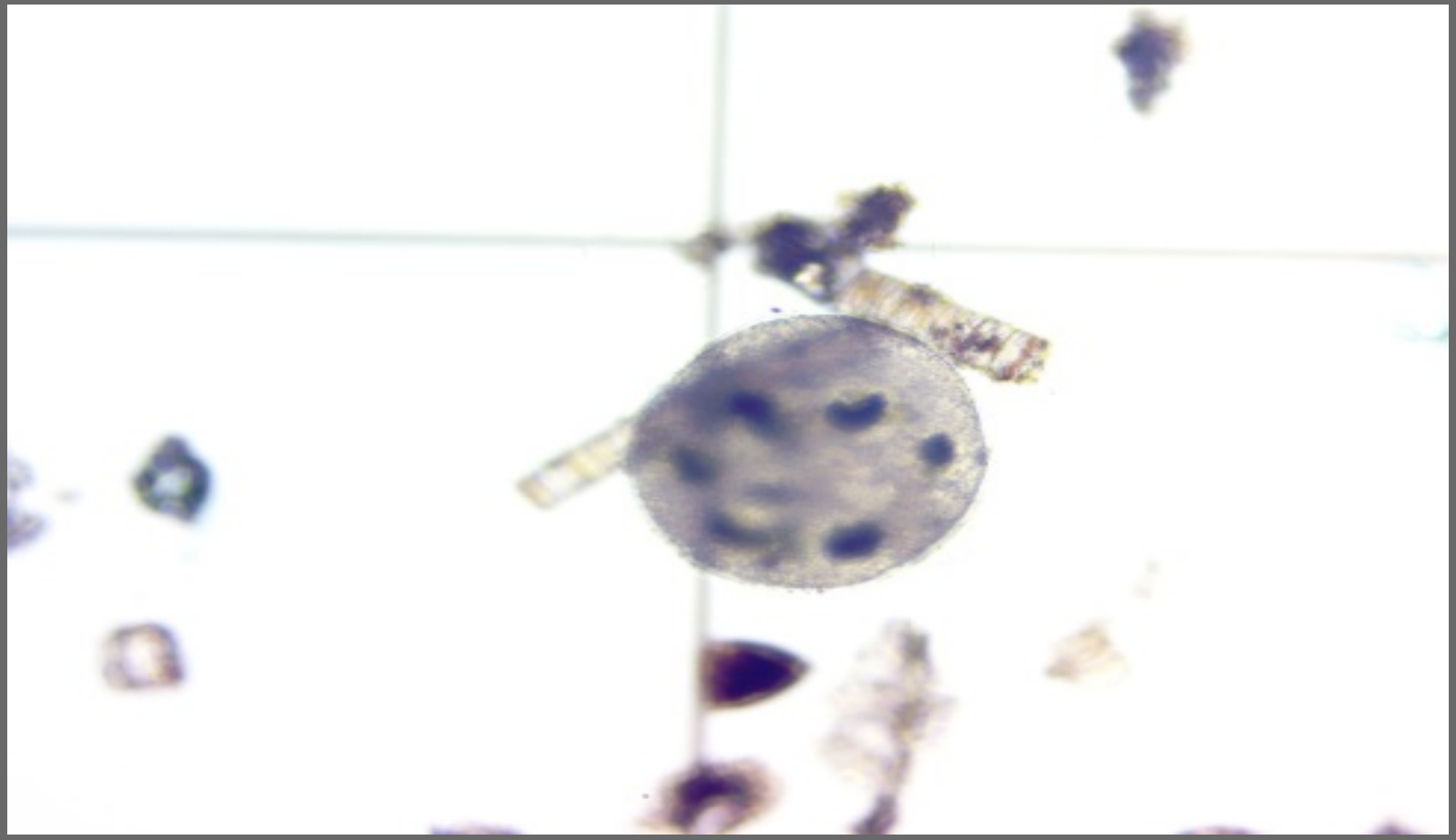
Willow Beach NFH Razorback Loss to Ichthyophthirius multifilis (ich)

Mark Olson, Project Leader, Willow Beach National Fish Hatchery

Ich Cycle


Ich infected fish
Trophonts
Dividing Tomont
Tomites/Theronts

Ich Trophont Found in River Water



Source of the Infection

River water

Leaking concrete walls

Birds

Raccoons

Other Contributing Factors

- Naive immune systems from well water rearing
- Water cooling/ spawning response
- Fish annually reduce feeding same time of year, further weakened immune response.
- Recirculating systems

Fish Loss Numbers

Inventory on 10/1/2016

Year Class	Number
2013	10,403
2014	15,111
2015	10,224
2016	10,542
Total	46,280

Inventory as of 1/1/2017

2014	3,500
2016	10,000
Total	13,500

Rebuilding Hatchery Population

- Bring in 30,000 larvae this year, That brings the population back to 43,000
- 9,000 transferred to Achii Hanyo
- Use half of the space at Achii for RBS. Stocking size in two years.
- Continue 5 years rearing at WB

Total Razorbacks Stocked Since 2006

114,252

Question After Gregg Garnett's Presentation