



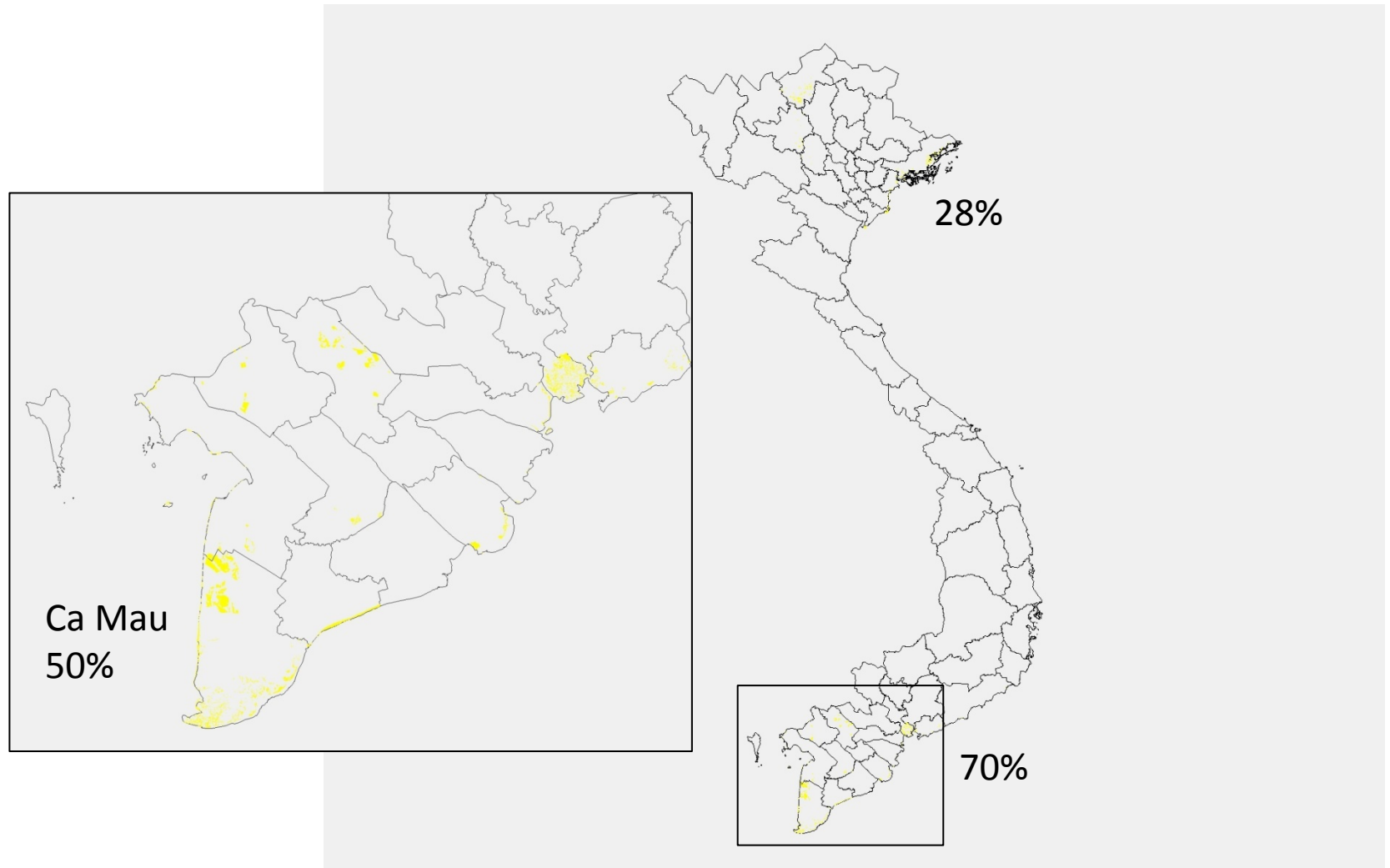
COASTAL RESILIENCE: WHAT WORKS?

Jake Brunner, IUCN

World Parks Congress, Sydney, November 2014

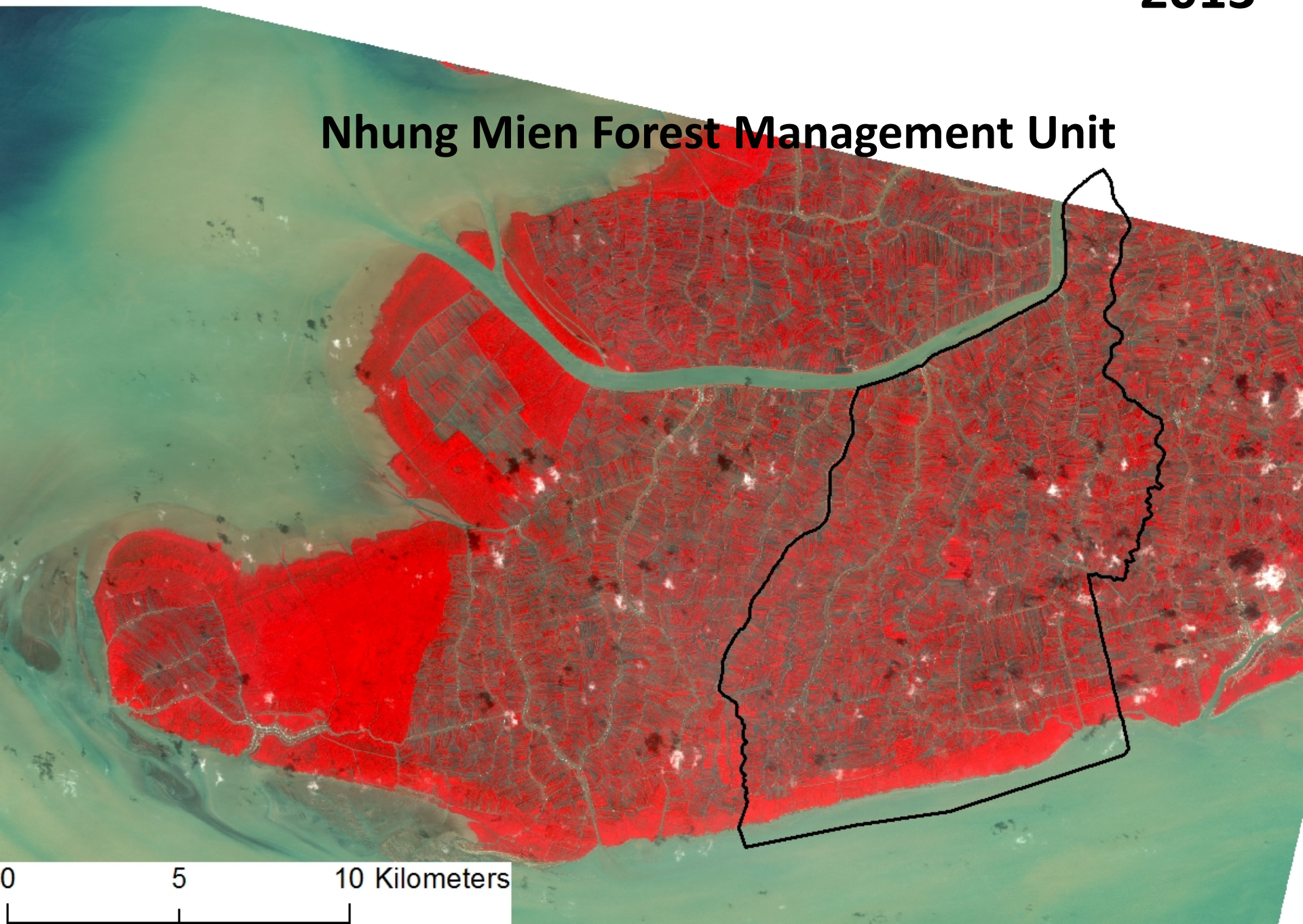


Vietnam's Mangroves



2013

Nhung Mien Forest Management Unit



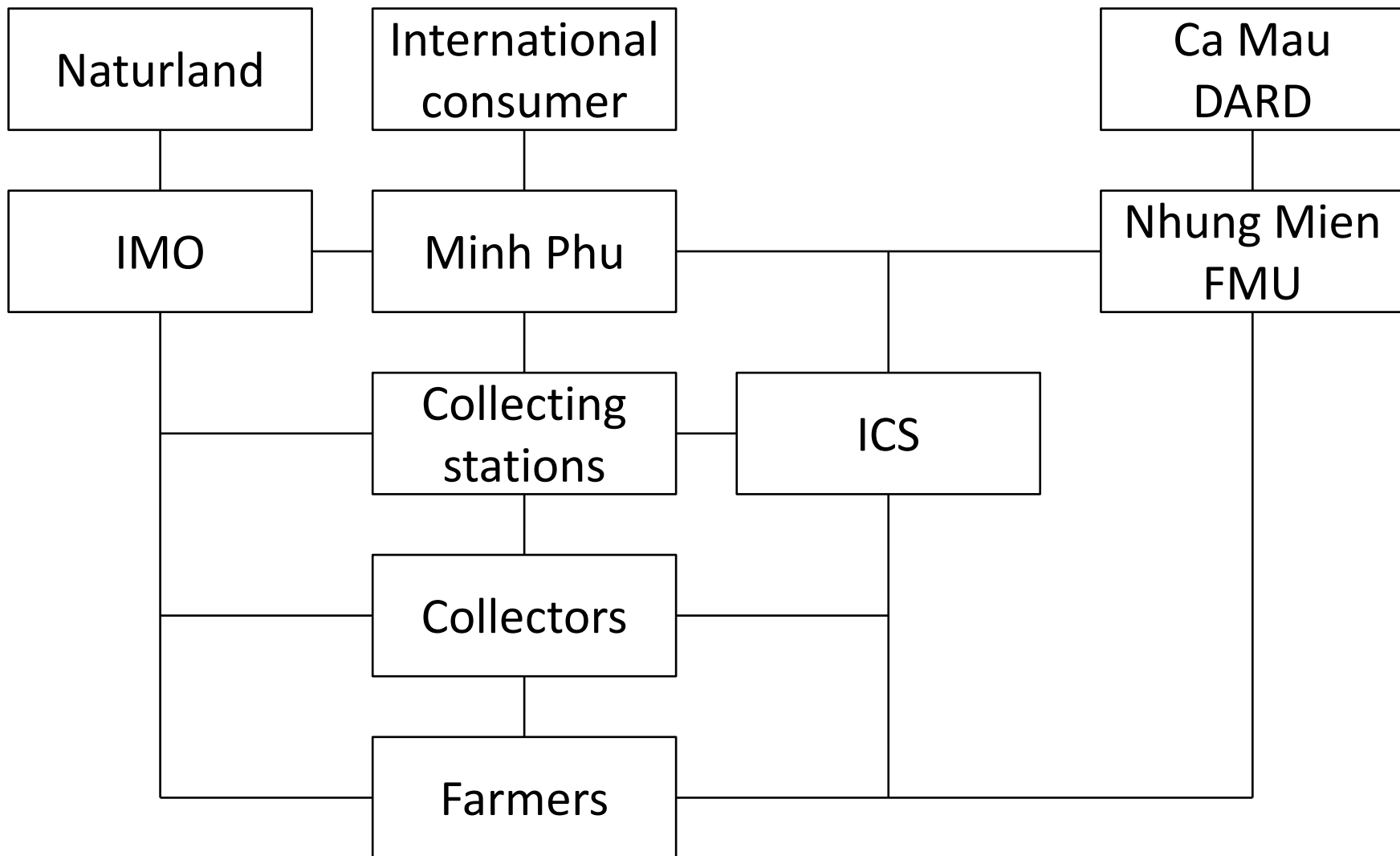
0 5 10 Kilometers

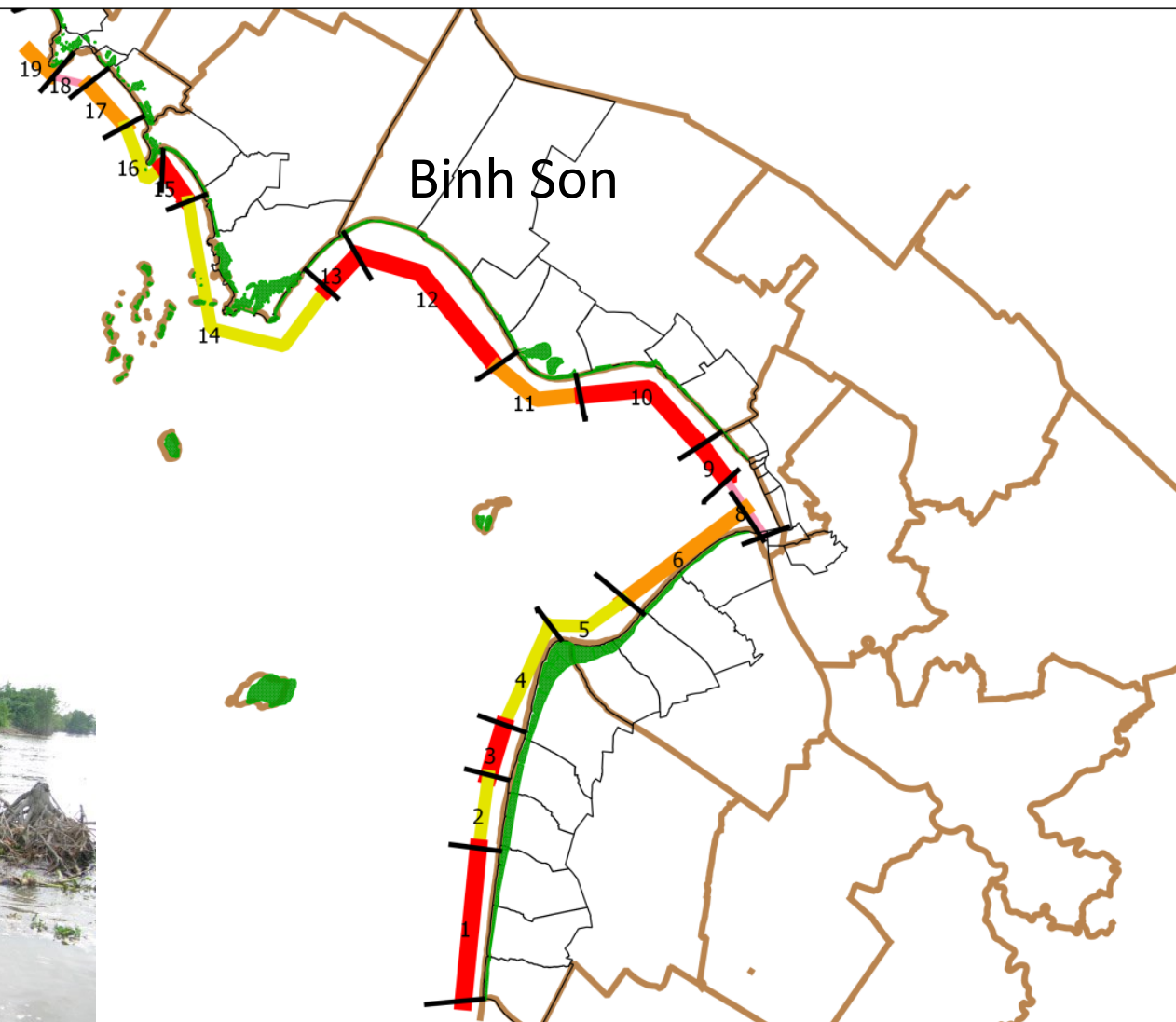
2013



Integrated Mangrove-Shrimp

1. Low yield: 250 vs. 10,000 kg/ha/year
2. Low costs: no chemicals, feed, or antibiotics
3. Low risk: no crop failure in 2012
4. Diverse: shrimp, crab, fish, oysters, etc.
5. Profitable: \$2,100 vs. \$1,100-\$1,300/ha/year







Local consultations



Survey pilot sites



Build fence



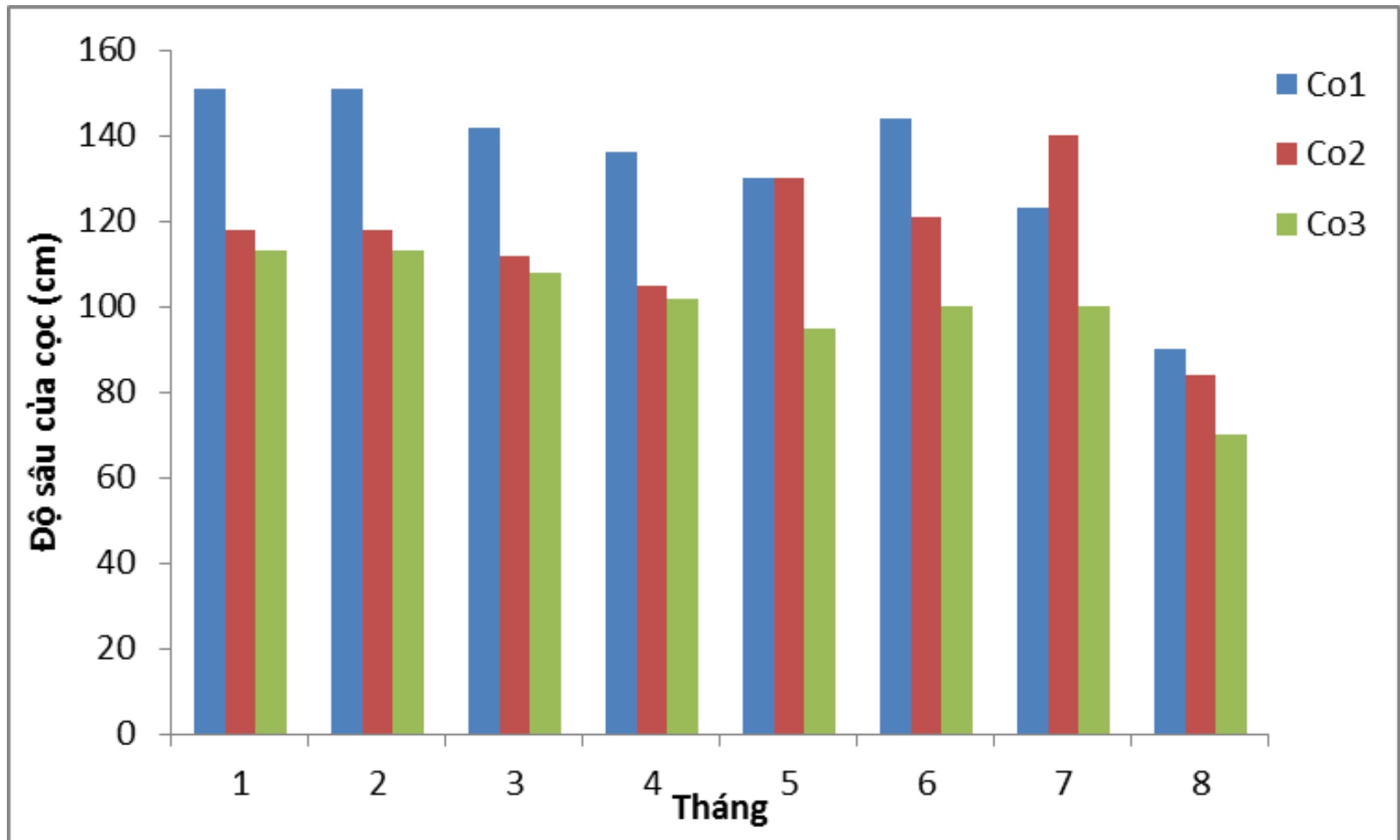
900 m fence built



Monitor mud accumulation



After 8 months, mud depth inside the fence increased by up to 40 cm



After 8 months, mud depth outside the fence increased by up to 30 cm

