



THE
UNIVERSITY
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COLLEGE OF
THE ENVIRONMENT
AND LIFE SCIENCES

Philippine Workshops on Modeling of Aquaculture Production and the Use of Common Water Bodies June 6 & 7, 2013

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The issue

- Fish kills associated with fish pen and have been a recurring problem in the Philippines since 1980s
 - Laguna de Bay 1980s
 - Binmaley-Dagupan 1996
 - Bolinao 2002
 - Lake Taal 2005
 - Many others





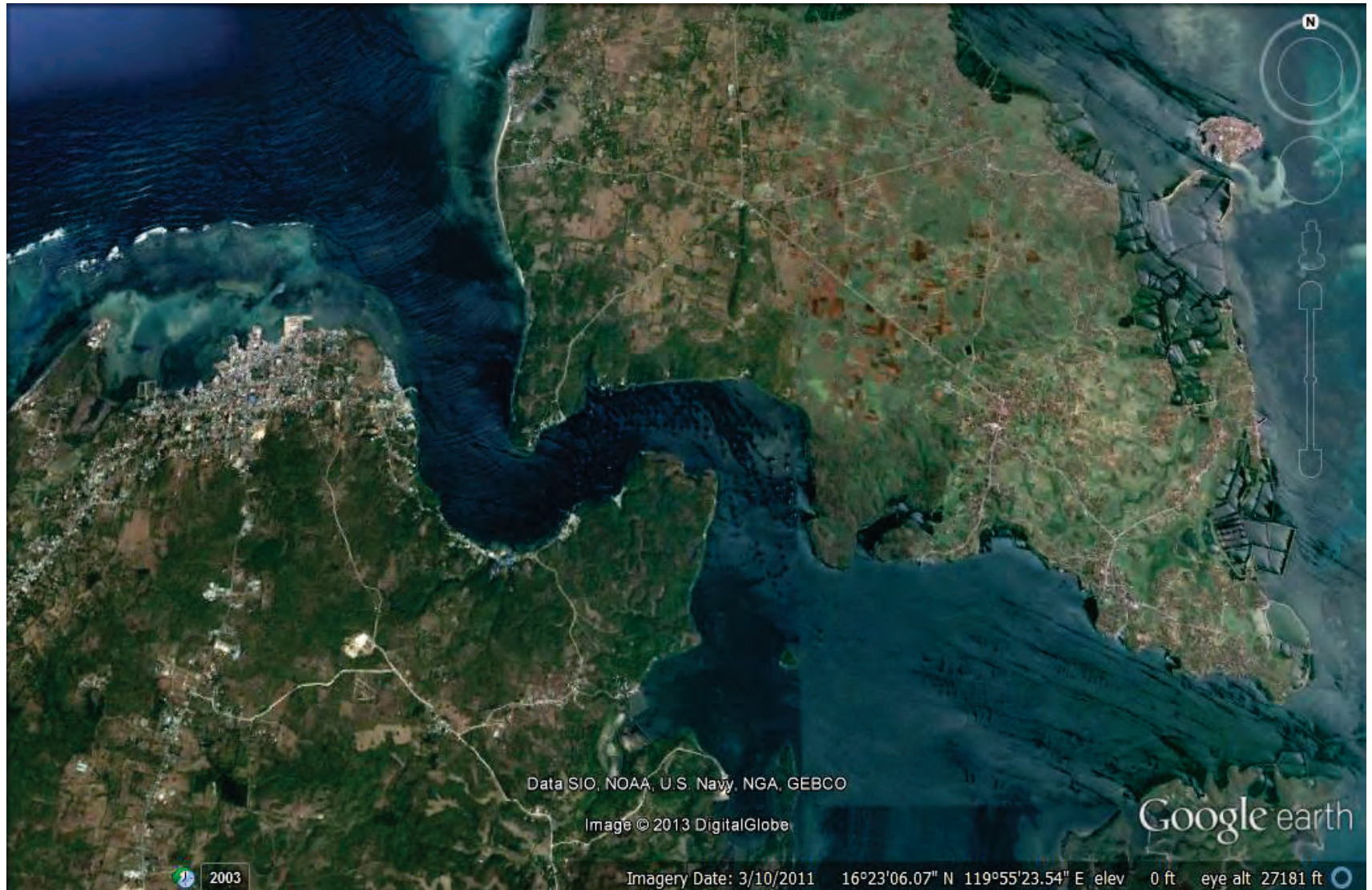
Agno-Pantal Estuary of Metro-Dagupan City



Northwestern Pangasinan



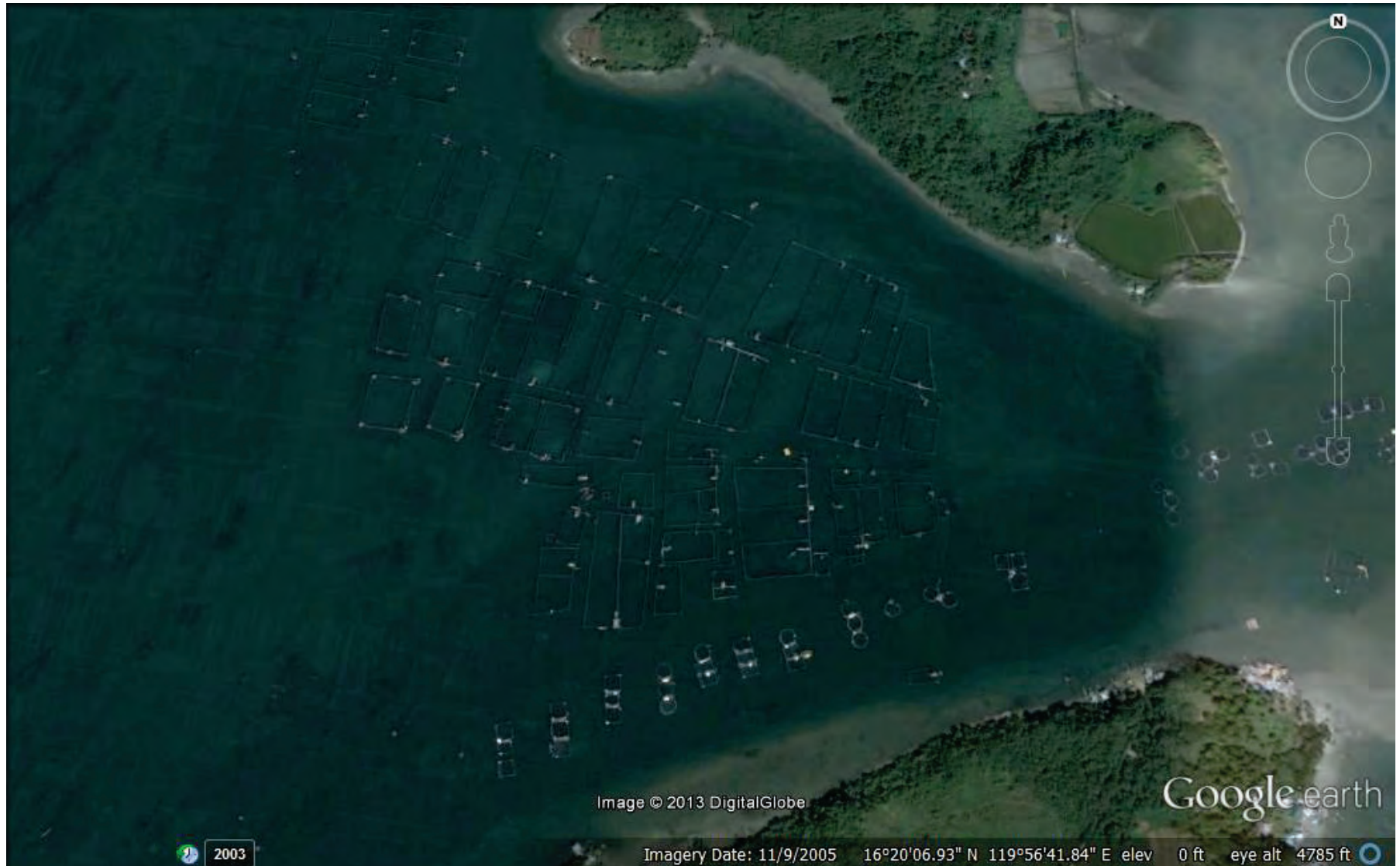
Bolinao and Guiguian Channel



Caquipotan Channel of Anda & Bolinao



Fishpen Array in Anda



Lake Taal, Batangas



Workshop Planning Considerations

- Since late 1990s good research data collected in Philippines on causes of fish kills
- LGUs have primary responsibility for permitting of jurisdictional waterways...local political process, but possible emergency national gov. intervention
- Lead agency, BFAR has good network of national research labs and contacts with LGUs through its Regional offices
- Agricultural extension system based upon agricultural officers assigned to LGUs

Workshop Planning Considerations (continued)

- General recognition in Philippines that key problem is in *governance* so some involvement by elected decision-makers is key
- Some need for better understanding of modeling of carrying capacity & economic modeling of social cost by extension professionals
- A key workshop aim to strengthen education capability of local extension professionals.

Main Individuals in Workshop Planning & Implementation

- Dr. Westly Rosario, OIC BFAR-NIFTDC, Bonuan-Binloc, Dagupan City
- RD Nestor Domenden, BFAR Region I Director
- Levy Loreto Manalac, USSEC Philippine Rep.
- Dr. Nelson Lopez, BFAR Inland Fisheries Chief
- Esmeralda Paz Manalang, BFAR Region IV-A Director

Evolving Plans

- Two workshops: Pangasinan & Batangas
 - Marine & FW fish culturing
- Then, 3 workshops: Western Pangasinan, Metro-Dagupan, & Batangas
 - 3 different management areas/watersheds
 - 3 different ethno-linguistic areas
- Then, 2 workshops: Western Pangasinan & Metro-Dagupan

Roadblock: Elections of 13 May 2013

- Lack of interest by Batangas Provincial & LGUs in holding a workshop now:
 - Later workshops not ruled out
- In Pangasinan:
 - Many incumbent elected officials away
 - Lame duck officials lacked interest
 - Incoming officials not in office until June 30
 - But, high degree of interest by PAO & MAOs

June 6 Workshop at Asian Fisheries Institute, BFAR-NIFTDC at Bonuan Binloc, Dagupan City



June 6 Venue at BFAR-NIFDTC



Summary of June 6 Workshop

- Formalized format --- Intro session with dignitaries – Dr. W. Rosario key in organizing
- Local TV & print press coverage
- About 100 participants & guests
- Morning plenary sessions
- Afternoon breakout sessions formulating workshop resolution
- Output: Formal resolution by participants for presentation to LGU & elected officials

Views of June 6 Workshop



June 7 Venue at BFAR I-RMATDeC at Lucap, Alaminos City



Summary of June 7 Workshop

- More informal format --- Intro session without elected dignitaries – BFAR I-ARD Rosario Secundina Gaerlan key in organizing
- No local TV & print press coverage
- About 50 participants & guests (incl BFAR IV-A ARD Leah Villanueva)
- Morning plenary sessions – many same speakers as at Binloc
- Afternoon presentations by LGUs & discussions
- Output: Considerable sharing of workshop powerpoints for later presentation to LGUs

June 7 Workshop Participants



Summary & Recommendations

- Two different workshops with same content but with different structuring & dynamic
- Key intended target audience of elected officials were *not* participating
- Focus on local extension education to better carry the message to elected officials
- Opening for BFAR & USSEC to pursue further workshops in the future

Thank You



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