

Onshore-Offshore Drilling and Sampling to Understand Freshwater Resources along the New England Continental Shelf: An IODP-ICDP Workshop

May 22, 2017

8:00-8:30 Breakfast

8:30-8:45 Introductions and Workshop Objectives [B. Dugan]

8:45-10:15 Onshore-Offshore Freshwater

- submarine groundwater discharge [A. Wilson]
- New England hydrogeology studies [M. Person]
- New England geochemistry studies [R. van Geldern]

10:15-10:45 Coffee Break

10:45-11:30 Onshore-Offshore Freshwater

- Ocean-Aquifer Studies at Oregon State University [T. Jarvis]
- New Zealand surveys [A. Micallef]

11:30-12:00 Group Discussion – science questions, data needs

12:00-13:15 Lunch

13:15-14:30 History of IODP Proposal 637 [B. Dugan]

14:30-15:15 Existing Data and Studies

- seismic data [B. Dugan]
- electromagnetics [K. Key]

15:15-15:45 Coffee Break

15:45-17:00 Existing Data and Studies

- onshore data [C. Johnson]
- coastal zone data and survey capabilities [L. Brothers]

Adjourn for day, dinner on own

May 23, 2017

8:00-8:30 Breakfast

8:30-8:45 Recap of day one [B. Dugan]

8:45-9:15 Onshore wells [M. Person]

9:15-10:00 Science Needs at Onshore and Offshore Wells

- water and gas geochemistry/isotopes [J. McIntosh]
- sedimentology and sea level [K. Miller]
- discussion

10:00-10:30 Coffee Break

10:30-11:15 Small group discussions

11:15-12:30 Lunch

12:30-13:30 Group Discussion – review and revise science questions, summarize science and technology needs and challenges, set science priorities potential sites

13:30-14:15 Expected Costs and Opportunities for Funding [B. Dugan]

14:15-14:45 Summary of ESO Planning and Facilities [D. Smith]

14:45-15:15 Coffee Break

15:15-15:30 Governing a new resource [R. Martin-Nagle]

15:30-16:00 Education and Outreach

- community outreach, freshwater resource education, social media presence

16:00-17:00 Closing Discussion - plan for proposals to ICDP and other funding sources