6-30-08
The Coastal Society

Wave Energy - Unintended Effects?

Many buoys - near shore - 200 - couple of square miles
Impact on sand transport, water transport
Not less than 40 meters in depth.

produced 50 megawatt

Start up companies want to be bought up by the big guys

New pelagic habitat will be created - on the anchors of the buoys.
Cables may entangle turtles?

Fouling on cables? Paints as anti fouling efforts -

1000 megawatts a major plant

Sea Birds - Lighting at night - will attract birds
some lighting is needed to avoid navigational collisions.

48 % of Oregon power is from hydro

Marine Mammals -
gray whales migrating - could be caught in the array -

Andy Read
Duke -
Comes to Hawaii & Midway w/ students -

What if buoy breaks loose & sinks -

Acoustics - lines will make noise
Electromagnetic fields

How many buoys are too much.

Anchors weigh 140 tons?!
20 x 20 x 10 concrete block

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6-30-05

Flaxon Conway
Praiademic
Power Pointlers

Dolan Eversole - Impact of Sea level rise for Hawaii
1 meter rise this century - we are planning for that!
3°C temperature rise in a century
Within 5-10 yrs, we will agree on the rise -
People are agreeing with Jim Hansen -
Sea level is rising - 3mm/yr -
Hansen is predicting 2 meter sea level rise -
At end of last ice age, sea level rose at 8 mm/yr -

0.5 Alpine ice caps 0.5
7.2m Greenland
5-6m W. Antarctic
Thermal expansion may account for 50% of future sea level rise.
Greenland is wasting away -

Bulges of warm water pass thru Hawaii & we notice 1 foot sea level rise leading to localized erosion -
4 yrs ago - severe erosion event in W Maui - tides were high, resulting from eddys -

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Janet called 9:30 a
Burns

Annie Hackett
Nob Hill

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Kahea
Military
Sonar
Hanale. Bay

Singapore

~~World Heritage Convention~~

~~New Delhi~~
MPA
there

~~Cite to Admiralty Rule~~

US MPAs

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7-1-08

Kristen Whiting-Grant, Maine
Access to Coast
Maine (& Mass) = Low water State -
no public access above low tide -
Preserve the cultural access.

{Rita Hines / Hynes
Head of Maine Center}

Matt Pecoy
10:52 Public Trust Doctrine in S. Carolina -
Do property owners benefit from beach renourishment -
It's not a "taking" in SC to prevent a landowner
from bldg devices to protect shoreline property -
Dock ominiums
Submerged lands leasing program -
Public trust doctrine - Shield & sword
protects against

11:10 - Rich McLaughlin - Gulf of Mexico
Gulf of Mexico - toilet bowl of the nation -
worse this year because of flooding -
Energy industry has a veto power over Gulf decisions
Federalists, States rights & private rights are imp.
in Gulf
Finality vs - Flexibility (Adaptive Mgmt)
Is "how do we avoid litigation"

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Dolan Eversole

We were 3 miles from overflowing Ala Wai

Coastal erosion:

100 ft recession for 1 foot sea level rise -
Chip Fletcher -

1 m sea level rise = 100 - 150 feet of horizontal change -

Kauai - 70 x annual erosion rate + 40 feet -

Megan Higgins

1 cm of sea level rise = 1 meter of lost beach
RI - houses moved back 50 feet & are still being threatened (on S. Shore).

Rolling easement.

3-5 ft freeboard req't - stilts

Public nuisance - Seott of City of Del Mar
58 Cal App 4th 1296 (App 1997)

Texas Open Beaches Act - rolling easement -
part of background principles of State law
~~48 F+~~ 485 F Supp 2d 793, 804
(SD Texas 2007)

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