



TRUE COST OF FOSSIL FUEL

South-East Asia Oil Watch, Dili, East Timor

Vince Cinches
Executive Director
FIDEC Inc.

Lead Convenor
*Visayas Climate Action
Network*



EPICENTER OF GLOBAL MARINE SHOREFISH BIODIVERSITY

(springer & carpenter, 2005)



In Central Visayas alone, there are more than 400,000 registered and non-registered individuals relying directly and indirectly in marine resources

54% of daily animal protein requirement comes from marine products



7 meters rise



Philippine Power Situation = There is **NO ENERGY CRISIS!**

As of 2008,

RATED CAPACITY = 15,681 MW

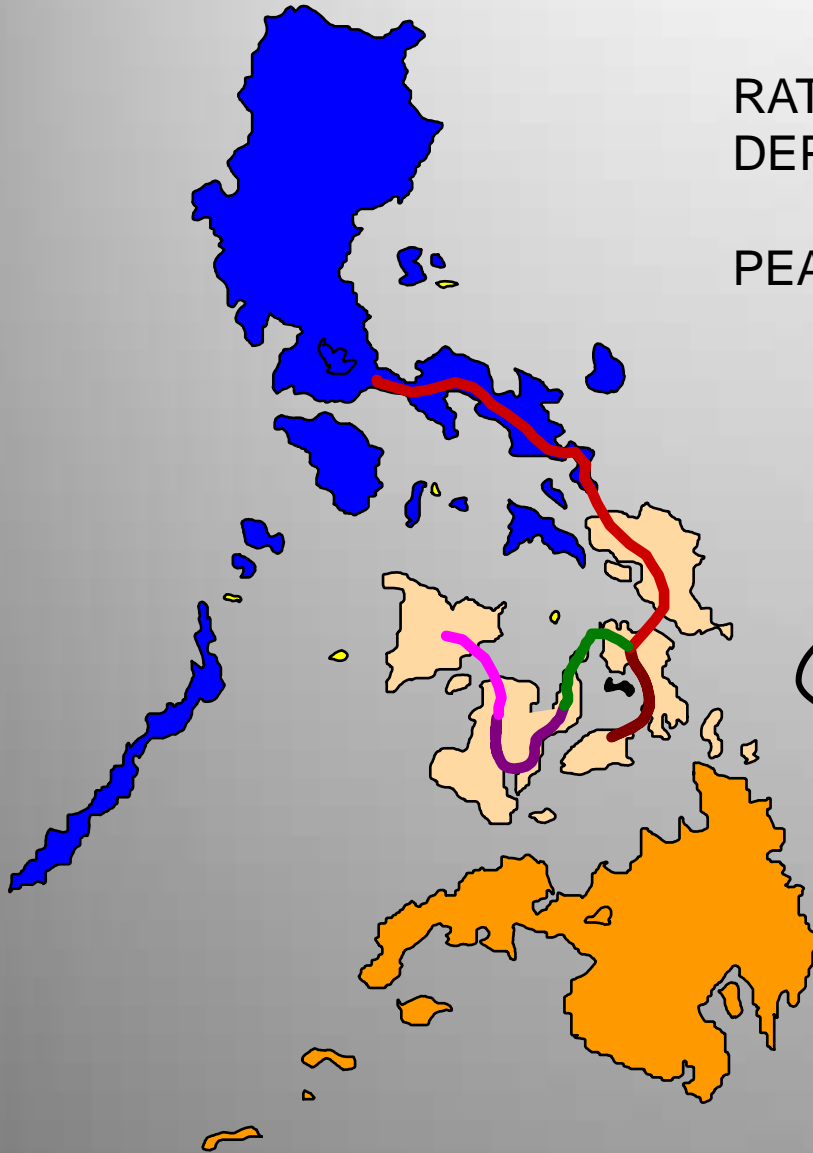
DEPENDABLE CAPACITY = 13,049 MW

PEAK DEMAND = 9,054 MW

Surplus =

7,368 MW!!!

We are paying for this!



**Power Sector Situation per Transmission Grid in 2004.
DoE Visayas Power Development Plan 2005 to 2014**

Power Transmission Grids	Installed Capacity (MW)	Dependable Capacity (MW)	Peak Demand (MW)	Unutilized Electricity (Dep.-Peak)
Luzon	12,377	11,086	6,728	4,358
Visayas	1,721	1,520	1,063	457
Mindanao	1,665	1,402	1,278	124
Total	15,763	14,008	9,069	4,939

resulting in unutilized electricity:

- 73.8 % - of installed capacities
- 54.5 % - dependable capacities,

We had over-supply of electricity, the generation costs of which were shouldered by the consumers through very high rates.

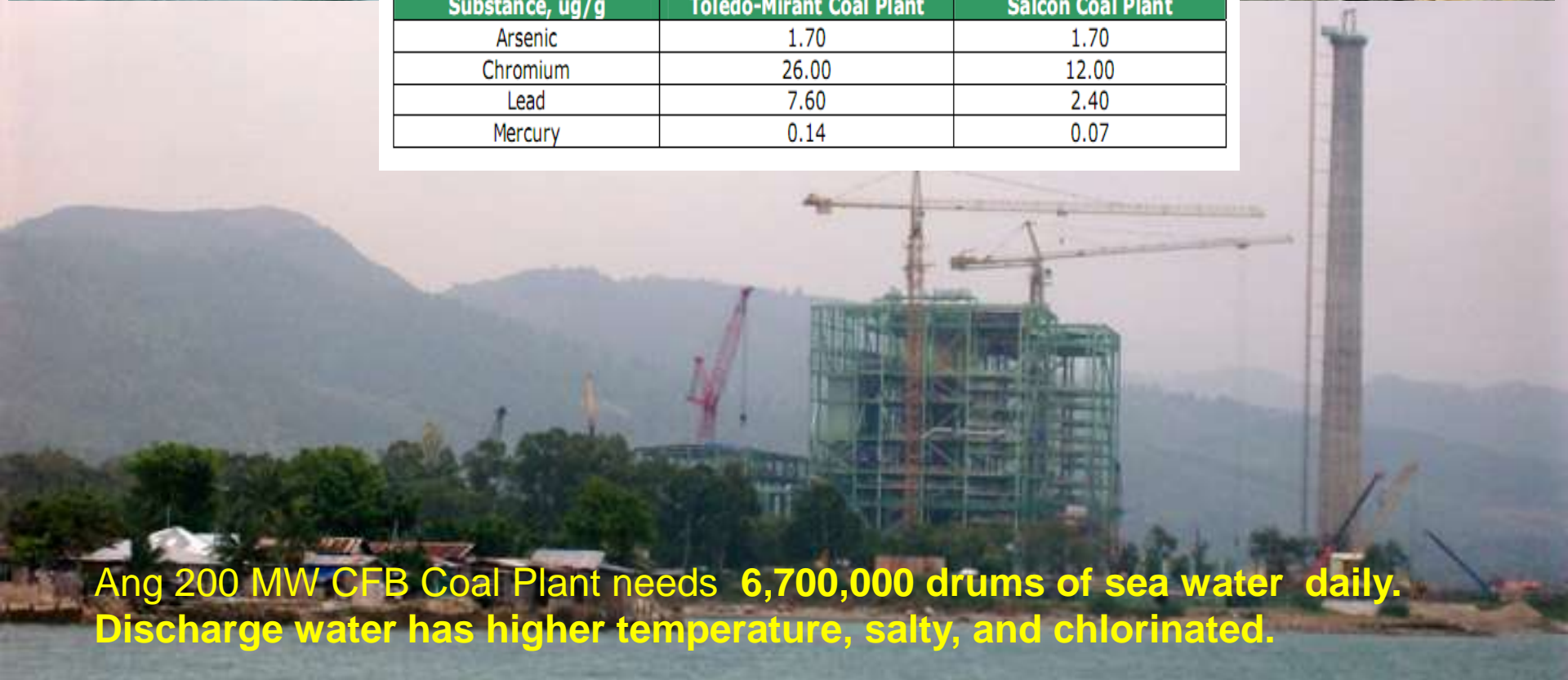
Over-generation was one of the major reasons why NPC was heavily in debt by about P1.4 trillion . . .

Late 2004 Pres. Arroyo assumed P200 billion of NPC's debts and declared a fiscal crisis.



Table 1. May 2005 Ash Sampling Results: the rest is likely up in the air

Substance, ug/g	Toledo-Mirant Coal Plant	Salcon Coal Plant
Arsenic	1.70	1.70
Chromium	26.00	12.00
Lead	7.60	2.40
Mercury	0.14	0.07

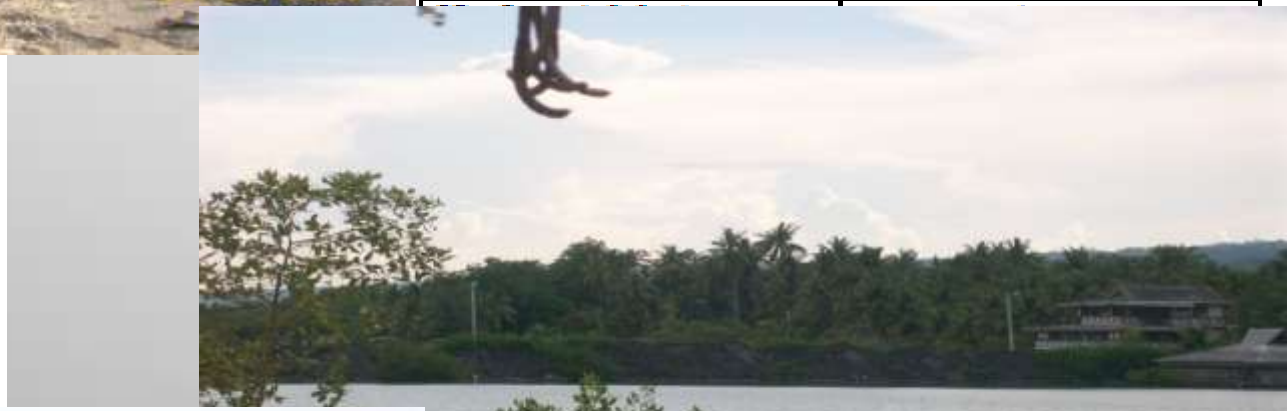


Ang 200 MW CFB Coal Plant needs 6,700,000 drums of sea water daily. Discharge water has higher temperature, salty, and chlorinated.



28. R/I Myocardial Heart Disease	1
29. Otitis Media	1
30. ACVD	1
31. Cardiomyopathy with Atrial Fibrillation	1
32. R/I Hyperthyroidism	1

10. Arthritis	3
11. Errors of Refraction	2
12. Malnutrition	2
13. Chronic Bronchitis	2
14. Allergic Bronchitis	2
15. Postural Hypotension	2
16. COPD	2
17. PUD	2



40. ...	1
41. Breast Mass	1
42. Keloid	1
43. Bronchial Asthma	1
44. CAP-MR	1

Access to Water:



The residents of Sitio Lawis, Langtad buy water for 6 pesos per container approx. 750 meters away.

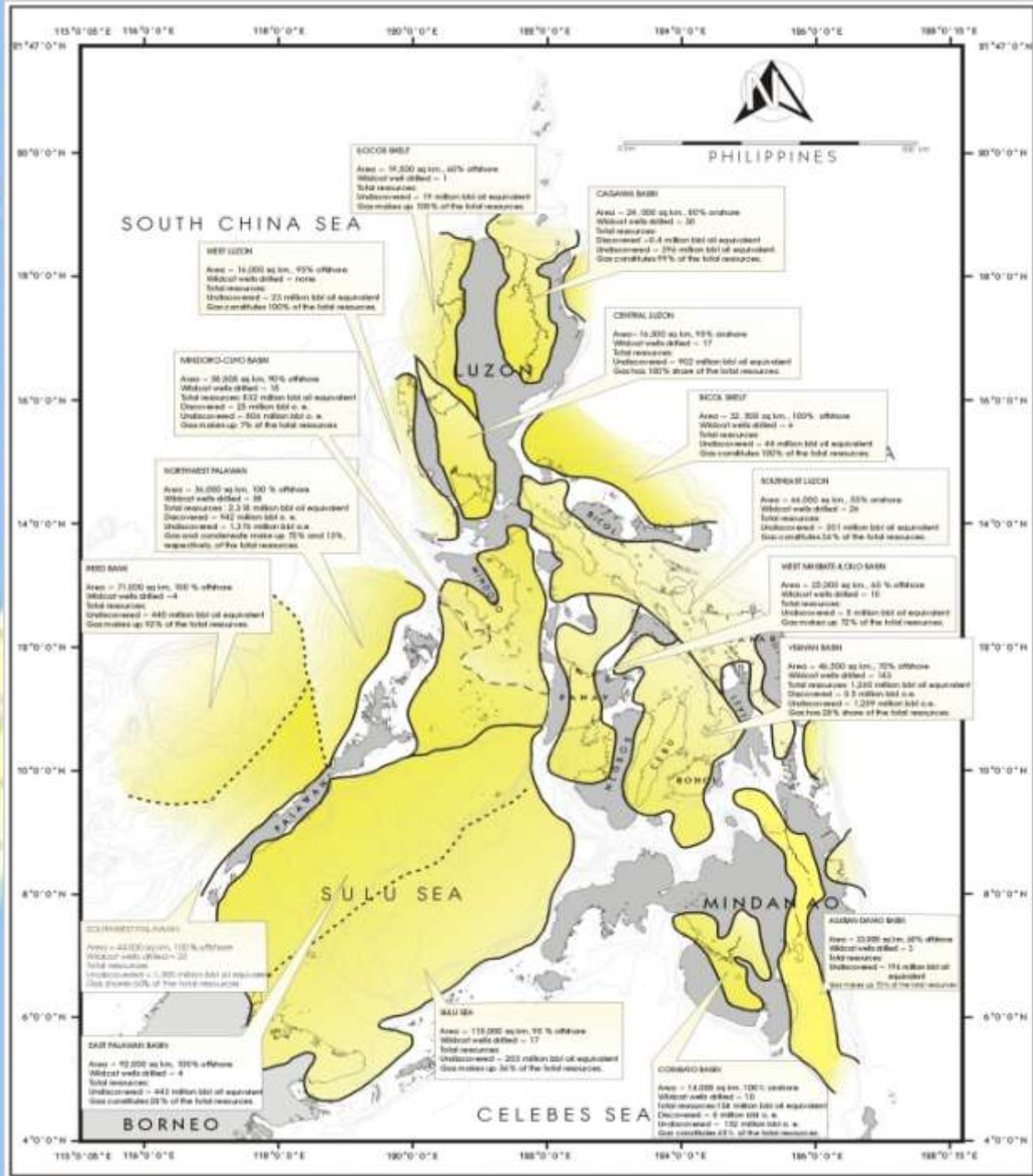
The residents in Sitio Relocation, Tinaan buy water .50 cents per gallon and 2.00 pesos per container

Artesian wells in there respective areas were already contaminated due indiscriminate dumping of coal ash and storage of grounded coal.

COAL PLANTS
are KILLING
MACHINES

GERD ALLIANCE END RENEWABLE ENERGY.

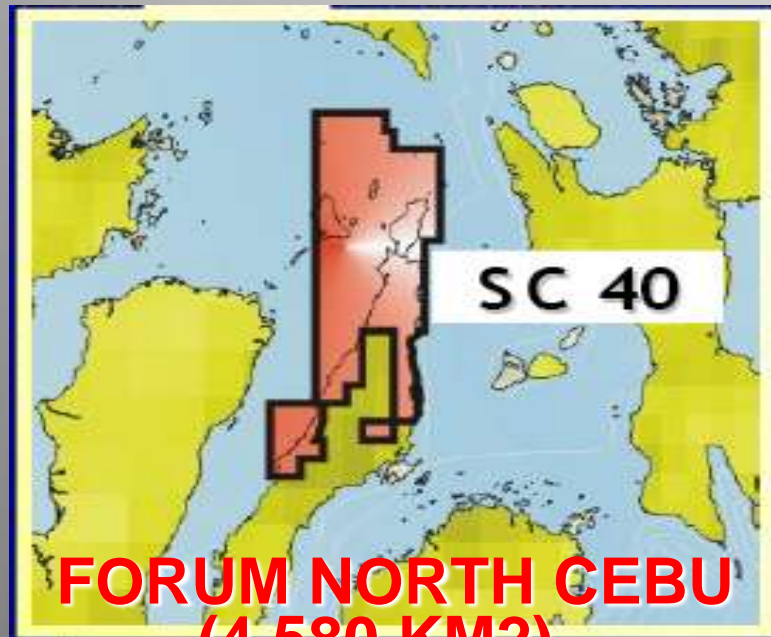
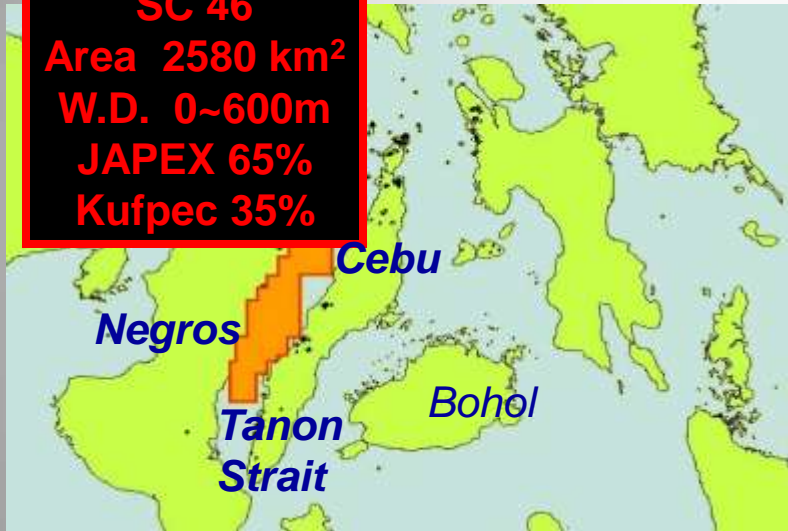




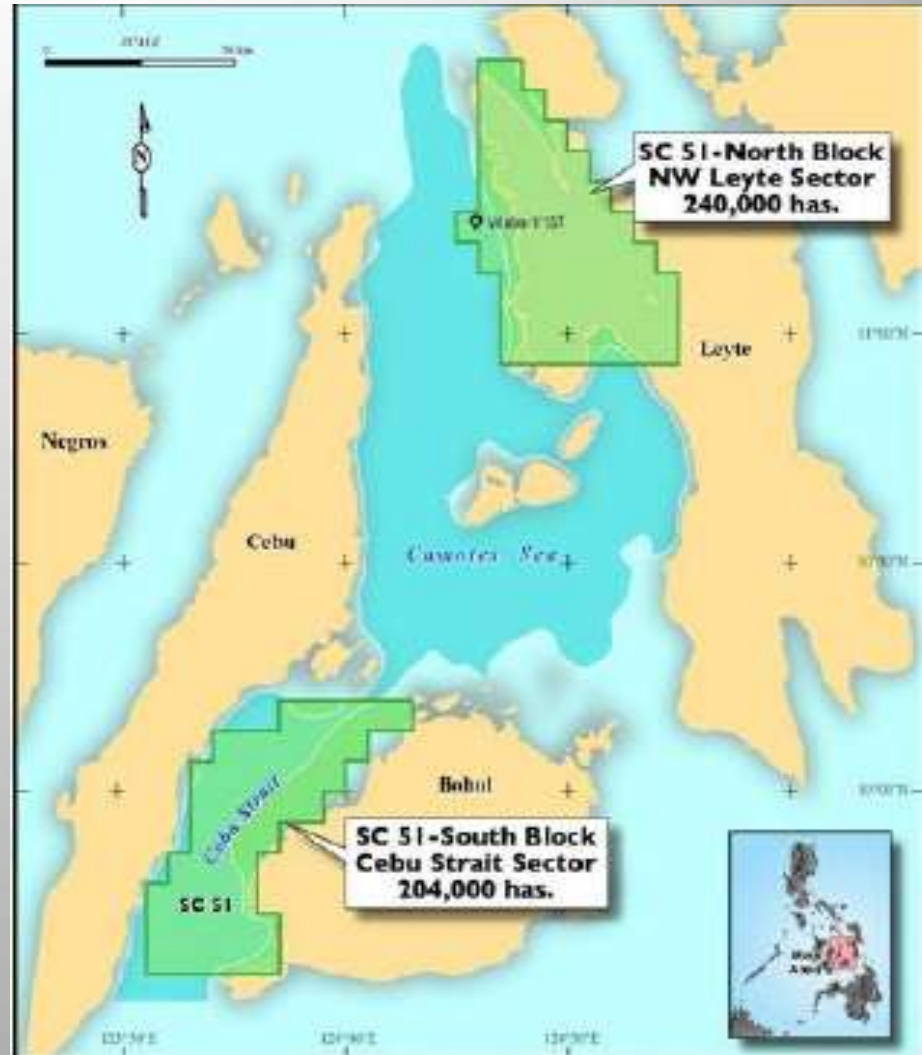
REAS
 ID GAS
 S IN
 ISAYAS

Location Maps

SC 46
Area 2580 km²
W.D. 0~600m
JAPEX 65%
Kufpec 35%



FORUM NORTH CEBU
(4,580 KM2)



NORASIA, TRANS ASIA, ALCORN,
PETRO ENERGY

Municipality of Borbon, Cebu



Legend
2010 SC 69 2D Program ————
Municipal Boundary - - - - -

SCALE

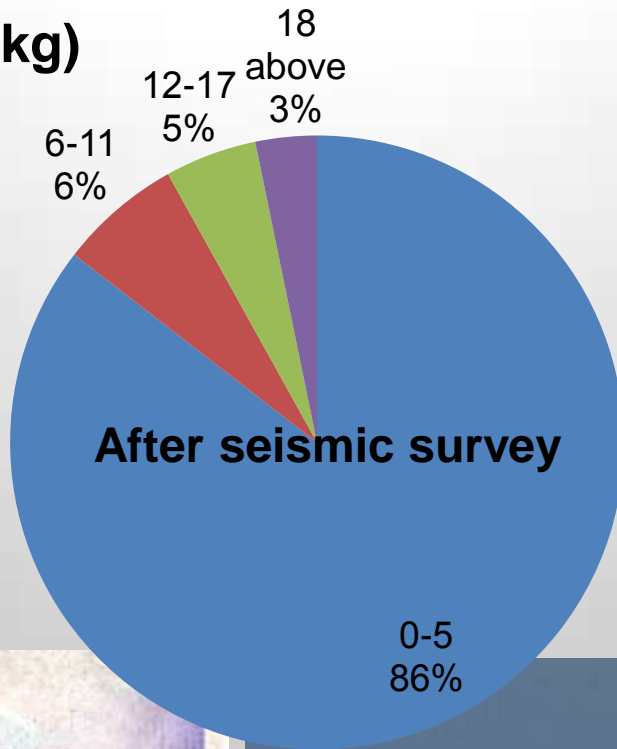
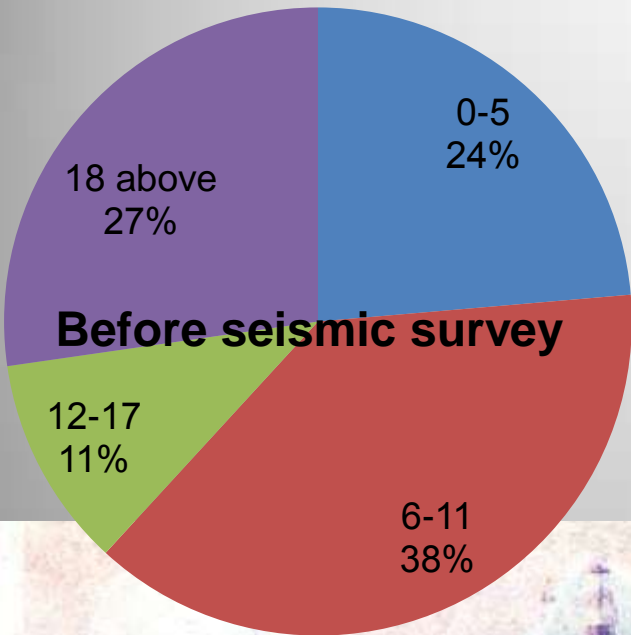
Natural and human-made noise comparisons

Noise source	Maximum source level	Remarks	Reference
Undersea earthquake	272 dB	Magnitude 4.0 on Richter scale (energy integrated over 50Hz bandwidth)	Wenz, 1962
Seafloor volcano eruption	255+ dB	Massive steam explosions	Deitz and Sheehy, 1954; Kibblewhite, 1965; Northrop, 1974; Shepard and Robson, 1967; Nishimura, NRL-DC, pers. comm., 1995
Airgun Array (Seismic)	255 dB	Compressed air discharged into piston assembly	Johnston and Cain, 1981; Barger and Hamblen, 1980; Kramer et al, 1968
Lightning strike on water surface	250 dB	Random events during storm at sea	Hill, 1985; Nishimura, NRL-DC, pers com, 1995
Seismic exploration devices	212-230 dB	Includes vibroseis, sparker, gas sleeve, exploder, water gun and boomer seismic profiling methods	Johnston and Cain, 1981; Holiday et al., 1984
Container ship	198 dB	Length 274 m; speed 23 knots	Buck and Chalfant, 1972; Ross, 1976; Brown, 1982b; Thiele and Odegaard, 1983
Supertanker	190 dB	Length 340 m; speed 20 knots	Buck and Chalfant, 1972; Ross, 1976; Brown, 1982b; Thiele and Odegaard, 1983

Natural and human-made source noise

Noise source	Maximum source level	Remarks	Reference
Blue whale	190 dB (avg 145-172)	Vocalizations: low frequency moans	Cummings and Thompson, 1971a; Edds, 1982
Fin whale	188 Db (avg 155-186)	Vocalizations: pulses, moans	Watkins, 1981b; Cummings et al., 1986; Edds, 1988
Offshore drill rig	185 dB	Motor Vessel KULLUK; oil/gas exploration	Greene, 1987b
Offshore dredge	185 dB	Motor Vessel AQUARIUS	Greene, 1987b
Humpback whale	180 dB (avg 175-180)	Fluke and flipper slaps	Thompson, et al.,m 1986
Bowhead whale	180 dB (avg 152-180)	Vocalizations: songs	Cummings and Holiday, 1987
Right whale	175 dB (avg 172-175)	Vocalizations: pulse signal	Cummings et al., 1972; Clark 1983
Gray whale	175 dB (avg 175)	Vocalizations: moans	Cummings et al, 1968; Fish et al, 1974' Swartz and Cummings, 1978
Open ocean ambient noise	74-100 dB (71-97 dB in deep sound channel)	Estimate for offshore central Calif. sea state 3-5; expected to be higher (= or > 120 dB) when vessels present	Urlick, 1983, 1986

Fish catch (kg)



Fish catch reduced by 70%-80%!



OFFSHORE MINING

8/5/2008

Substantive Law Governing Oil & Gas Exploration (P.D. 87)

- Exemption from all taxes except income tax
- Exemption from payment of tariff duties and compensating tax
- Exemption upon approval by the Petroleum Board from laws, regulations and/or ordinances restricting the construction, installation, and operation of power plant for the exclusive use of the contractor

- Exemption from laws, regulations and/or ordinances restricting exportation of machinery and equipment which were imported solely for its petroleum operation when no longer needed
- Entry of alien technical and specialized personnel & immediate members of their families



LANDMARK SUPREME COURT CASE

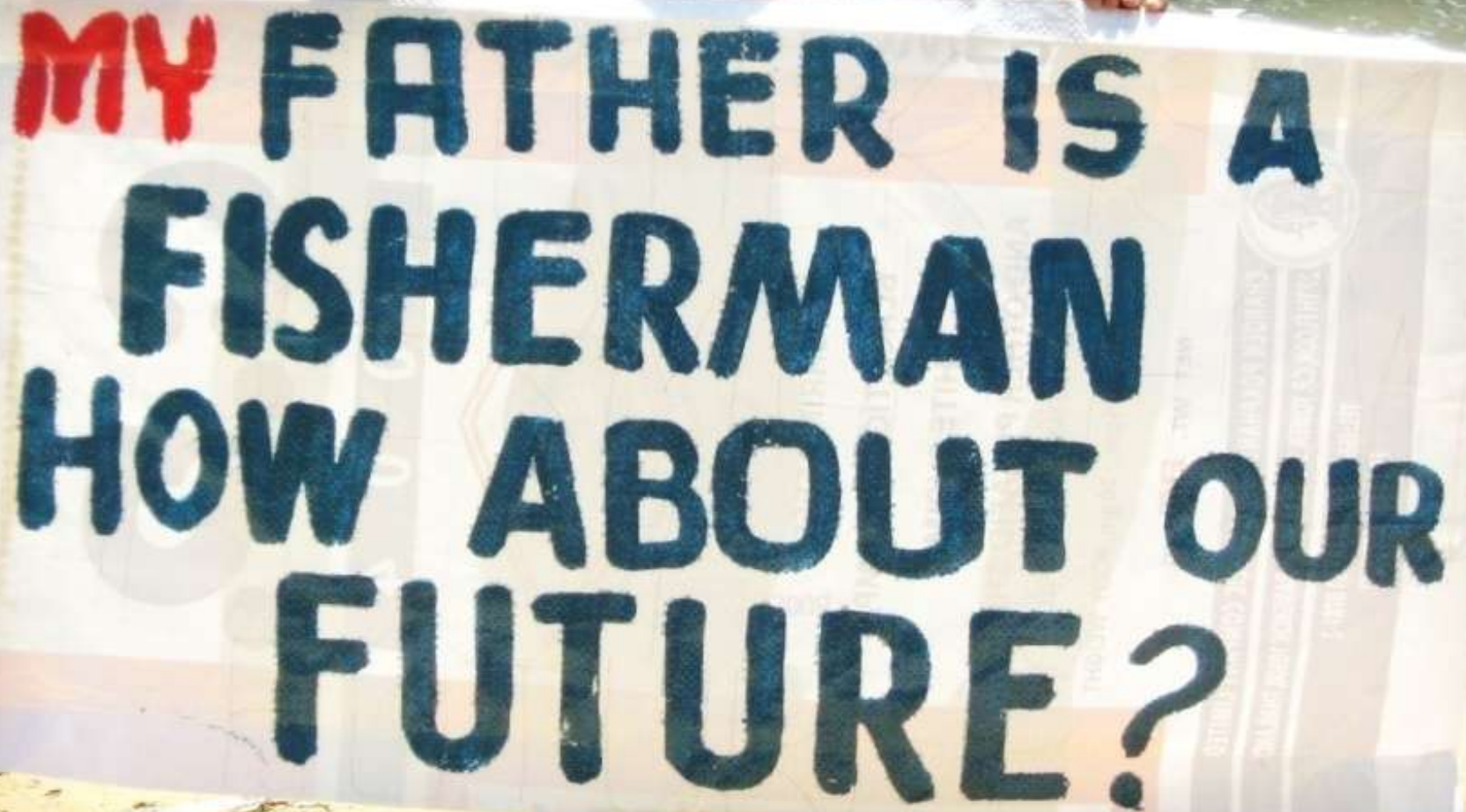
**Dolphins v. Secretary Reyes, et al,
SC-G.R. No. 180771**

And 400,000 fisherfolks.

**SPECIAL CIVIL ACTION NO. _____
FOR: ENVIRONMENTAL PROTECTION ORDER WITH PRAYER FOR
TEMPORARY ENVIRONMENTAL
PROTECTION ORDER & WRIT OF
CONTINUING MANDAMUS**

Regalian Doctrine

- The exploration, development, and utilization of natural resources shall be under the full control and supervision of the State.
- State's direct undertaking; or
- co-production, joint venture, or production-sharing agreements with Filipino citizens, or corporations or associations at least sixty per centum of whose capital is owned by such citizens.

A young child, wearing a white headwrap and blue shorts, stands on a sandy beach. The child is holding a large white banner that reads: "MY FATHER IS A FISHERMAN HOW ABOUT OUR FUTURE?". The word "MY" is written in red, while the rest of the text is in blue. The background shows the ocean and a boat.

MY FATHER IS A
FISHERMAN
HOW ABOUT OUR
FUTURE?

II

- WHETHER OR NOT THE OFF-SHORE OIL EXPLORATION CONTEMPLATED UNDER SERVICE CONTRACT NO. 46 IS LEGALLY PERMISSIBLE WITHOUT A LAW BEING DULY PASSED EXPRESSLY FOR THE PURPOSE

26T fisherfolk in 2 towns sue Japex over oil drilling

By Antonio R. DelaCruz
CDDT/INQUIRER

After the protests and other citizen actions against the Tañon Strait, it was the fear of the fishermen being in the region and litigation over the oil drilling that led to the filing of the suit.

Victor Chichay, secretary general of the Central Visayas Fishermen's Development League (CVFDL), said the region's position for the region was filed primarily against the Japanese firm Japex.

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with the Department of Energy (DOE) regarding oil exploration and drilling in Tañon Strait.



Cabrido said that in the oral argument, he will give additional legal and scientific basis to prove that dolphins and other mammals residing at Tañon Strait have a legal standing to sue.

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Oil exploration dangers downplay - See page 4

EDITORIAL

Clear up the Tañon Strait

Things are not being exposed very clearly or forthrightly concerning the controversial oil exploration being done by a Japanese firm in the middle of the Tañon Strait between the islands of Cebu and Negros, especially where it concerns the effects on local fishermen.

The main beef of the fishermen, or more vociferously of the cause-oriented groups taking up the cudgils for them, is that they will be losing their means of livelihood because the oil exploration prevents them from accessing their traditional fishing grounds.

The crux of the matter is that the fishermen are only prevented from going to within a 1.5 kilometer radius of the oil rig. To give a clear idea what 1.5 kilometers may look like, it is the distance from the Capitol in somewhere just beyond Fuente, maybe up to the CAP building.

Now that is not such a drastic deprivation if one talks about fishing grounds, which are essentially huge areas measured not in fractions of kilometers but by the tens of kilometers, in larger bodies of water like oceans that are even measured in the hundreds of kilometers.

The use of the term fishing grounds in the controversy is therefore more out of hype than of actualities. In real terms, considering that the Tañon Strait is such a small body of water, the entire strait could be a fishing ground by itself.

Put into the context of relative space in the strait, one oil rig and the security buffer around it will eat up something like the width of a hair on a map. Frankly, asking fishermen to stay clear 1.5 kilometers from a spot in the sea is not asking too much.

The trouble with many of us Filipinos is that we are such whiners. Quick to exploit our own misery, hardly do we hear the wind rattling some leaves in our bush than we seek redress for the disturbance.

The fishermen and their backers, of course, have the right to their own cause, no matter how off-target. But if fishing oil brings far greater long-term benefits to all, the fishermen may even find themselves the grateful participants in this inevitable march we

More than oil

The world has not yet seen a fisherman who has been killed by an oil rig. The fishermen, it may be said, are the only ones who are not being killed by an oil rig.

ORLANDO P. CARVAJAL
Special Poster



“The only way fishermen won't become sacrificial lambs for future oil is to take care of them now”

While we protest over the oil rig, we should also be protesting over the fishermen who are being killed by an oil rig.

We demand the immediate withdrawal of the oil rig, including all the oil companies, and demand that the government take immediate action to protect the fishermen who are being killed by an oil rig.

The only way fishermen won't become sacrificial lambs for future oil is to take care of them now.

With the quick decision to dig should come the deliberate commitment (heart) to provide safety nets for the local fisherfolk. We cannot attempt to provide for the future welfare of our people by closing our eyes to the present plight of those who will be immediately disadvantaged by the drilling.

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Environment defense team formed

By White, Galle
A 10/10/10

The lawyers' organizations formed a joint legal team to help defend environmental issues in general, and the Tañon Strait in particular. The Joint Environmental Defense Team, formed by members of the Cebu City and Cebu Province chapters of the Integrated Bar of the Philippines (IBP), set as its mission to "promote the rule of law, good environmental governance and for all stakeholders – government business and civil society – to follow the path to sustainable development."



Members of the Integrated Bar of the Philippines (IBP) and environmentalists gathered for a press conference to announce the formation of the Joint Environmental Defense Team.

The Cebu City and Cebu Province chapters of the IBP will approach their respective bar associations for support in the joint Environmental Defense Team. The Cebu City and Cebu Province chapters of the IBP will approach their respective bar associations for support in the joint Environmental Defense Team. The Cebu City and Cebu Province chapters of the IBP will approach their respective bar associations for support in the joint Environmental Defense Team.

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Two lawyers organizations yesterday created a joint legal team to help defend environmental issues in general, and the Tañon Strait in particular.

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Whales, dolphins join Arroyo at SC

By Phoebe Jen Indino

Believe it or not, President Arroyo is being lumped with animals who are going to court for a strange legal battle that can happen only in the Philippines.

By PHOEBE JEN INDINO, Correspondent

Believe it or not, President Arroyo is being lumped with animals who are going to court for a strange legal battle that can happen only in the Philippines.

And the president probably does not even know it, she being merely lumped in the case as an "unwilling petitioner."

And it is no ordinary court they are going to but the Supreme Court, which is in for an unprecedented surprise when it is expected to be asked today to rule on "lesser life forms" perceived to be under imminent threat by human commercial endeavors.

Turn to page 2



TANON OIL SEARCH ENDS

Japanese firm pulls out from oil drill project
fishermen, environmentalists hail decision



The Japanese firm has pulled out from the oil exploration project in the Tañon Strait because of the "lack of economic viability and good prospects."

The decision was announced through a press conference yesterday in the offices of the Japan-based project company, Japan Petroleum Exploration Co. (JPEX).

The Japan Petroleum Exploration Co. had earlier announced that it was withdrawing from the Tañon Strait, Philippines oil exploration and development project.

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SUMMER SCHOOL

STSCM members are given free diving lessons from Ms. Sambl Botran, a local entrepreneur and diving instructor, to better appreciate the beauty of Tañon Strait. STSCM partnered with many educational institutions and other local sectors that were supportive of its cause.

Service Contract No. 46 is Invalid, Unconstitutional and Illegal

- **“The exploration, development, and utilization of natural resources shall be under the full control and supervision of the State. The State may directly undertake such activities, or it may enter into co-production, joint venture, or production-sharing agreements with Filipino citizens, or corporations or associations at least sixty per centum of whose capital is owned by such citizens.”** (Art. XII, Sec. 2 of the 1987 Constitution.)



**STOP
THE
BURNING!**

Article XII, Section 2, 1987 Constitution

“Section 2. x x x The State shall protect the nation's marine wealth in its archipelagic waters, territorial sea, and exclusive economic zone, and reserve its use and enjoyment exclusively to Filipino citizens.

The Congress may, by law, allow small-scale utilization of natural resources by Filipino citizens, as well as cooperative fish farming, **with priority to subsistence fishermen and fish- workers in rivers, lakes, bays, and lagoons. x x x “**



NEW OIL SURVEY PROPOSED

Fiberfolk fear effect of seismic survey in Cebu, Leyte, Bohol waters




...betting noticed in Paquiao-Cisney fight



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