

**SECOA WORKSHOP NOTES**  
**DAY 1 – FEB 9, 2010**

**1) OPENING REMARKS AND WELCOME**

CHIEF CLARENCE NELSON  
HEREDITARY CHIEF, TSIMSHIAN FIRST NATION  
-WELCOME

BRUCE REID  
REGIONAL MANAGER, OCEANS, DEPARTMENT OF FISHERIES AND OCEANS  
-WELCOME

RICK DELANEY, WORKSHOP FACILITATOR  
-INTRODUCTION TO WORKSHOP  
-OPERATING VALUES  
-WORKSHOP AGENDA

**2) COMMENTS AND QUESTIONS FROM PARTICIPANTS:**

-SENTIMENT OF SUPPORT FOR MARINE PLANNING WITH CONCERNS IN REGARDS TO THE PROCESS- INCLUSIVENESS, TIMELINESS

-LOCATION OF WORKSHOP A CONCERN FOR SOME. CONCERN WAS ADDRESSED BY INFORMING PARTICIPANTS OF UPCOMING COMMUNITY CONSULTATION SESSIONS WITHIN THE REGIONS

-WHERE DOES THE INFORMATION COLLECTED DURING THIS WORKSHOP GO AND WHAT IS TO BE DONE WITH IT?

-TO BE ADDRESSED DURING WORKSHOP

-IS THERE A COMMITMENT FROM DFO TO IMPLEMENT?

-WILL SPEAK TO THIS. WE HEARD STAKEHOLDERS WANTED TO BE ENGAGED EARLY. IF WE DEVELOP A GOOD PROCESS WITH THE RIGHT PEOPLE AT THE TABLE SO THAT THE GOVT CAN SUPPORT THE PROCESS.

HOW ARE YOU PLANNING TO OBTAIN ALL THIS INFORMATION IN ONE AND A HALF DAYS?

-WE WON'T BE. THIS A STARTING PLACE TO IDENTIFY PEOPLE WHO HAVE INFO. LOOKING TO YOU TO BRING OTHERS VOICES TO THE TABLE

WHAT ABOUT THE PEOPLE WHO HAVE PROPRIETARY INFORMATION?  
-TO BE ADDRESSED DURING WORKSHOP

**3) PNCIMA INITIATIVE AND OBJECTIVES: NEIL DAVIS**

INTRODUCTION, BACKGROUND, PROGRESS TO DATE, CURRENT PRIORITIES

**4) COMMENTS AND QUESTIONS FROM PARTICIPANTS:**

-DEFINE PNCIMA

-CLARIFY PNCIMA ATLAS WITH ICONS-IE WIND FARM, SALMON  
MIGRATIONS ETC.

-DEFINE OUTPUTS – IS THERE A DRAFT DOCUMENT FOR THE OUTPUTS?  
-TO BE RELEASED SHORTLY.

-WHO IS INVOLVED IN THE PROCESS?

-QUESTION ABOUT CONSERVATION ZONING? HOW WILL THIS BE DONE?

-WHERE DOES THE SECOA PROJECT FIT WITHIN DFO?  
-OCEANS INITIATIVE. .. COLLABORATIVE INTENTION. ..RESPONDS TO  
MEMORANDUM OF UNDERSTANDING AND OCEANS ACT  
REQUIREMENTS.

-PLEASE DEFINE THE FACILITATORS ROLES?

-WHY IS THE BOUNDARY MAP NOT TO THE INTERNATIONAL LINE (200  
MILE LIMIT)?  
-BOUNDARY BASED ON OCEANOGRAPHIC CONDITIONS.

-HOW DO WE ENSURE CONSISTENCY IN CANADA WITH THE RULES?  
THE OCEANS ACT IS A NATIONAL ACT AND SHOULD ENSURE  
CONSISTENCY IN CANADA.

-WHERE IS DFO'S COMMITMENT TO THE PROCESS? WHY IS THIS PROCESS  
GOING TO BE DIFFERENT?  
THERE IS LEGISLATIONS AND POLICY IN PLACE. WE HAVE TO HAVE  
A GOOD PROCESS. THE MINISTER IS RESPONSIBLE FOR  
DEVELOPING MPA'S.

-BOUNDARIES ARE A BIG CONCERN. WHY IS THE POLITICAL BOUNDARY  
NOT BEING ADDRESS?

-HAVE THERE BEEN DECISIONS MADE THAT WE DID NOT HAVE INPUT TO?  
LIKE MPAS?

**5) SECOA METHODS AND APPROACH DEFINITION**

GARY ROBINSON - SECOA TEAM  
STEVE NICOL - SECOA TEAM  
RANDY SUNDERMAN - SECOA TEAM  
DAVE NICOLSON - SECOA TEAM

WHY IS A SECOA NEEDED?

TO DEVELOP AN INTEGRATED PLAN. THIS STUDY WILL BRING THE HUMAN INITIATIVES INTO FOCUS. ANY SOCIOECONOMIC IMPACT THAT WILL BE AFFECTED BY THE PLAN NEEDS TO BE CAPTURED. THE PLAN DOES HAVE BOUNDARIES AND WILL HAVE IMPACTS ON USES. WE ARE LOOKING TO PROFILE THE CHANGES IN THE MARINE ENVIRONMENT. WE WANT TO CAPTURE ISSUES THAT HAVE OVERLAPS IN ALL AREAS- VALUES, ISSUES AND INTERACTIONS IN THE MARINE ENVIRONMENT

QUESTION FOR CONTRACTORS: HAVE YOU BEEN CONTRACTED ALSO TO IDENTIFY IMPLICATIONS FOR MPAS AND EFFECTS ASSESSMENT? WILL A SECOA BE PREPARED FOR THE IMPACT OF PLANNING PROCESS?

-NOT CONTRACTED TO IDENTIFY IMPLICATIONS OF MPAS. WHETHER OR NOT A SECOA WILL BE PREPARED TO ADDRESS THE IMPACTS OF THE PLANNING PROCESS IS TO BE DETERMINED.

SHOULD WE TAKE OUR CUES FROM THE ALREADY DEVELOPED COMMERCIAL FISHERIES SECOA THAT IS PROVIDED?

-OF THE THREE THAT WERE PROVIDED, IT IS THE LEAST ADVANCED.

## **6) BREAKOUT SESSIONS – VALUE AND ACTIVITY PROFILES**

### **6A) MARINE TRANSPORTATION**

#### **DEFINITION OF MARINE TRANSPORTATION**

INTER AND INTRA MOVEMENT OF LARGE VESSELS (I.E. > 20M.) IN PNCIMA (INCLUDES COMMERCIAL, CRUISE AND FERRY VESSELS, EXCLUDES MOST RECREATION BOATING). INCLUDES A RECORD OF REPORTED MARINE SPILLS AND SEARCH AND RESCUE ACTIVITIES AS INDICATORS OF RISKS ASSOCIATED WITH MARINE TRANSPORTATION.

#### **COMMENTS ON DEFINITION**

REGARDING MARINE TRANSPORTATION –**FLOATPLANES SHOULD BE INCLUDED AS VESSEL** AS THEY MOVE PASSENGERS IN AND OUT OF THE REGION...BECOME A VESSEL AS SOON AS THEY TOUCH THE WATER

#### **CONCERN 20M VESSEL AS MINIMUM SIZE**

IN METLAKATLA SMALLER VESSELS TRAVELING WITHIN NARROW PASSAGES RESULT IN EROSION AND OTHER IMPACTS ON COMMUNITY....CONCERN THAT THESE ISSUES WILL NOT BE REFLECTED IF ONLY VESSELS LARGER THAN 20M IN LENGTH ARE CONSIDERED

20M CUT-OFF, 60 FOOT VESSEL, COMMERCIAL FISH SECTOR -SOME COMMERCIAL BOATS ARE 60 FOOT VESSELS, BELOW CUT-OFF, DO NOT CONTACT CCG WITH MOVEMENTS, UNLESS HALIBUT FISHING... CRAB FLEET-90% OF BOATS IN CRAB FLEET ARE UNDER 20M...

GARY- DATABASE OF VESSELS 20M OR LARGER- SMALLER VESSELS DO NOT HAVE TO RECORD MOVEMENTS, DIFFICULT TO CHARACTERIZE-DO YOU KNOW WHERE SMALLER VESSELS MOVE, IMPACTS DIFFICULT TO DETECT...

SUGGESTION: AQUATIC INVASIVE SPECIES DATABASE- TRACKS MOVEMENT OF SMALL VESSELS-TOM TARIO AS DFO CONTACT

SUGGESSTION: TRANSPORT CANADA DATABASE ON BALLAST WATER DISCHARGE AS ANOTHER SOURCE FOR VESSEL MOVEMENT

SUGGESTION: VESSELS OF OPPORTUNITY-FISH BOATS ALL THE WAY UP TO TANKERS THAT ARE USED TO COLLECT DATA FOR OCEAN ACIDIFICATION AND CLIMATE CHANGE AS THEY CONDUCT REGULAR ACTIVITIES- EG FISHING VESSELS ALREADY AT SEA, COLLECTING DATA FOR SCIENCE (pH CHANGES)

SUGGESTION: VERY SPECIFIC DATA FOR HOOK AND LINE FLEET THAT SHOWS THAT TRACKS WHERE VESSELS GO

COMMENT: ISSUE OF QUALITATIVE VERSUS QUANTITATIVE DATA-  
ALTHOUGH LARGER VESSEL MOVEMENT HAS A LOT OF QUANTITATIVE  
DATA AVAILABLE, SOCIOECON DATA FROM SMALLER VESSELS IS ALSO  
IMPORTANT...CULTURAL IMPACTS, ENVIRONMENTAL IMPACTS OF  
BALLAST WATER...

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## **ISSUES**

### **SHORELINE EROSION**

NEGATIVE COSTING OF INCREASED CUMMULATIVE IMPACTS OF 40M SIZE  
VESSELS-COST OF INCREASING THE CUMMULATIVE IMPACTS WHEN YOU  
START LAYERING BOATS INTO EACH OF THE DIFFERENT  
TERMINALS...CUMMULATIVE EROSION IMPACTS...

SMALL BOAT FLEET MAJOR TRAFFIC WITHIN THE REGION-EROSION ISSUE  
IS QUITE SIGNIFICANT- 6 KNOTS VS 25 KNOTS...

### **NEED FOR REGULATIONS-OFFICIAL EXCLUSION ZONE**

MOVE PNCIMA BORDER OUT BEYOND THE CONTINENTAL SHELF TO  
JURISDICTIONAL WATERS-PETROLEUM PRODUCT TANKERS USE HECATE  
STRAIT- VOLUNTARY EXCLUSION ZONE-THIS SHOULD BE LAW NOT  
VOLUNTARY...

### **CONERN-CENSUS DATA NOT REFELCTIVE OF ALL REGIONS**

MANY REGIONS DO NOT HAVE AVAILABLE DATA, HOW WILL THIS BE  
DEALT WITH? CONCERNED ABOUT PROCESS-THINGS THAT ARE INVISIBLE  
IN COASTAL BC- DATA AVAILABLE IS MACRO DATA- THE WAY THAT  
PEOPLE LIVE NEEDS TO BE TAKEN INTO ACCOUNT- THERE IS A  
LANDSCAPE IN THE COASTAL REGION WHICH IS INVISIBLE-DISTORTED  
CENSUS IN REGIONAL DISTRICT...PROJECTIONS ARE BIZARRE...ALERT BAY  
52 VS 5 ACTUAL RESIDENTS...COASTAL-MACRO, MICRO..

### **MARINE TRANSPORTATION- COSTS VERSUS ECONOMIC BENEFITS**

MUST BE A BENEFIT OF MARINE TRANSPORTATION SECTION ON  
ECONOMIC VALUE-HOW DO WE MEASURE THE COSTS AND BENEFITS-  
SUCH SMALL BENEFIT IS DESCRIBED IN THE REPORT-GIVES THE  
IMPRESSION THAT THERE IS NOT MUCH BENEFIT...LACK OF COSTING,  
FOCUS ON NEGATIVE SIDE, LACK OF BENEFIT...

### **OIL SPILLS**

BETTER DETAILING OF ROUTES AND IMPACTS, INCREASE IN TANKER  
TRAFFIC, PROBABLE INCREASE IN OIL SPILLS WITH INCREASED TRAFFIC,  
OVER A 10 YEAR TIME FRAME...

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## **TRENDS**

### **CONTAINER PORT TRAFFIC IS INCREASING**

WE NEED TO ID THE DRIVERS IN THIS TREND...IMO: GUIDELINES ON HARBOUR INITIATIVES...DRIVER: DECREASE CARBON IMPACTS...TREND: DECREASE FUEL USE.... IMPACTS ON LOCAL COSTS...

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## **INTERACTIONS**

### **MARINE TRANSPORTATION, EROSION AND CULTURE**

INCREASED TANKER TRAFFIC, CRUISE SHIPS... WHAT ARE THE EROSION IMPACTS ON SPECIFIC CHANNELS OR HERITAGE SITES ESPECIALLY THOSE NOT IDENTIFIED AS SUCH OFFICIALLY...INVISIBLE LANDSCAPE...HOW IS THIS BEING CONSIDERED?

THE PROPOSED ENBRIDGE ROUTE IS NOT THROUGH HECATE ST- SHOULD THIS SAY SOMETHING ABOUT PROPOSED ROUTES- NEGATIVE COSTS NEED TO BE MEASURED-IMPLICATIONS OF EROSION ON HISTORICAL ARCHAEOLOGICAL BEACHES...

SMALL BOAT FLEET MAJOR TRAFFIC WITHIN THE REGION-EROSION ISSUE IS QUITE SIGNIFICANT- 6 KNOTS VS 25 KNOTS -CULTURAL IMPACTS OF EROSION, SILTATION ON CLAM BEDS...

HISTORICAL COMMENT: CLAM AQUACULTURE INVENTED IN BROUGHTON ARCHIPELAGO ALONG THE BEACHES BY ABORIGINAL PEOPLES OF AREA...

### **MARINE TRANSPORTATION AND SAFETY**

HAIDA GWAI- SAFETY ISSUES RELATED TO MARINE TRANSPORTATION...NUMBER OF COLLISIONS...NUMBER OF OIL SPILLS...

WE DON'T HAVE A STATE OF THE ART VESSEL TRACKING SYSTEM-THIS IS NEEDED-ISSUE BROUGHT UP TO TC FROM MARINE ADVISORY COUNCILS...TRANSPORT CANADA NEEDS TO BE INVOLVED IN THESE DISCUSSIONS...

### **LACK OF EMERGENCY OIL SPILL RESPONSE CAPACITY**

HADA GWAI- LACK OF OILS SPILL RESPONSE IN REMOTE AREAS TO ANY SORT OF SPILL ESPECIALLY NOT A LARGE SPILL...NO CAPACITY, NO SKILL FOR RESPONSE IN A TIMELY MANNER...SHOULD NOT BE CONTEMPLATING MORE TRAFFIC IF DON'T HAVE THE RESOURCES TO CLEAN-UP EVEN SMALL SPILLS

EXON VALDEZ SPILL- MARK STEINER FORMERLY OF U OF ALASKA-HIS THOUGHTS-WE DON'T KNOW WHAT THE IMPACT OF THE EXISTING TANKER TRAFFIC IS-WE NEED BETTER UNDERSTANDING OF WHAT THE MARINE TRAFFIC IS DOING TO THE COASTLINE...PNCIMA IS NOT THE END ALL BE ALL IN MY OPINION...THE ISSUES ARE THE STARTING POINT, WE HAVE TO WORK TOGETHER...

**CONFLICTING EXCLUSIVE USES-MARINE TRANSPORTATION LANE, FISH TRAP DEPLOYMENT, WIND FARMS**

FISHING IN HAIDA GWAI AND HECATE STRAIT- ISSUE OF FIXED TRAP DEPLOYMENT/GEAR -VOLUNTARY COMPLIANCE ISSUE IN A LANE IN HAIDA GWAI FOR BC FERRIES- NEED THIS FOR ALL LARGE SHIPS THAT TRANSIT THE AREA- EQUITY PRINCIPLE- MARINE PLANNING/MARINE TRANSPORTATION-NO LONGER ANY OPPORTUNITY TO FISH, LOSS OF ACCESS -WIND FARMS, OTHER TYPES OF PERMANENT STRUCTURES AND HOW THEY WILL AFFECT TRAFFIC GENERALLY IN THE REGION...

**MARINE TRANSPORTATION AND POLLUTION VIA WASTE**

GARBAGE ON THE WEST COAST OF THE ISLAND-1000S OF WATER BOTTLES ON THE BEACH IN ONE SEASON- LODGES AS SOURCE OF WATER BOTTLES- STATS CANADA, 10% SAND IS PLASTIC, PERMANENT TOXIFICATION OF HAIDA GWAI...LARGE VESSELS COME TO SHORE AFTER WEEKS AT SEA WITHOUT ANY GARBAGE...BAILS OF GARBAGE...200MILE LIMIT IS AN ISSUE...PARIAL DRUMS OF FUEL, PLASTIC CONTAINERS/BAILS DITCHED AT SEA ONCE VALUE DECREASED IN ASIA...

**ACCESS TO THE OCEAN-MARINE TRANSPORTATION STRUCTURE**

DOCKS, BOAT RAMP, MAINTENANCE, NEEDS TO BE CONSIDERED-FERRY FACILITIES ARE IMP IN THESE REGIONS, BOTH IN HAIDAI GWAI AND IN CENTRAL AND NORTH COASTS...IMPORTANCE OF DOCKS AND THESE STRUCTURES ON PEOPLES ABILITY TO LIVE HERE...ACKNOWLEDGMENT OF THAT...

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**REFERENCES**

DFO POLICY- VALUATION METHODOLOGY OF MARINE TRANSPORTATION

**DATA ON MOVEMENT OF VESSELS <20M LENGTH**

-TRANSPORT CANADA DATABASE –BALLAST WATER DISCHARGE  
-DFO DATABASE- AQUATIC INVASIVE SPECIES DATABASE  
-SATELLITE PHOTO OF AREAS- VISUAL OF FISHERMAN USE AREAS AND NUMBER OF BOATS, YACHT CLUB LOCATIONS, BERTHAGES ETC

**OIL SPILL RESPONSE**

DFO CONTACT: PATRICK O'HARA- A LOT OF MODELING OF VESSEL TRAFFIC, MODELLING/DATA SOURCES- ICE MONITORING AND TRACKING OF VESSEL MOVEMENT-BIG RED MONITORING OF OIL SPILLS..HOSTED SMALL SCALE MARITIME OIL SCALE POLLUTION WORKSHOP LAST YEAR AT SFU HARBOUR CENTER

**PAGE 13 OF SECOA MATERIAL** -TANKERS CARRYING PETRO PRODUCTS SERVE PRINCE RUPERT- THIS IS NOT THE CASE...OIL TANKERS DON'T SERVE PORT OF PRINCE RUPERT- THE WAY THIS IS WRITTEN MAKES IT SEEMS THAT THEY DO...

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**COMMENTS TOWARD FEDERAL GOVERNMENT**

TRANSPORT CANADA NEEDS TO BE INVOLVED

FULL-COSTING IS AN IMPORTANT TERM-IF PNCIMA WAS GROUNDED IN THE PNCIMA AND NOT IN VANCOUVER THAT WOULD LOOK BETTER IN THE INVISIBLE LANDSCAPE...DATA SOURCES ON SMALL VESSEL AREA USE-HOW DO WE PASS THIS INFORMATION ON TO YOU?

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**QUESTIONS FOR SECOA CONTRACTORS**

DIFFERENTIAL RISK-KEY RESOURCES THAT ARE HEALTHY THAT CAN TOLERATE RISK OTHERS THAT ARE ON EDGE AND CAN'T TOLERATE RISK, RESOURCE ON EDGE...HOW WILL THIS BE ACCOUNTED FOR IN METHODS?

FULL-COSTING MUST BE INCLUDED

BENEFIT OF MARINE TRANSPORTATION SECTION ON ECONOMIC VALUE-HOW DO WE MEASURE THE COSTS AND BENEFITS- SUCH SMALL BENEFIT IS DESCRIBED IN THE REPORT-GIVES THE IMPRESSION THAT THERE IS NOT MUCH BENEFIT...LACK OF COSTING, FOCUS ON NEGATIVE SIDE, LACK OF BENEFIT EMPHASIS...



**6B) COMMERCIAL FISHERIES BREAK-OUT SESSION**

**IMPORTANT OBSERVATIONS**

NEED TO BRING COMMUNITIES TO THE TABLE TO DISCUSS AND ACCEPT CHANGES IN THE COMMERCIAL FISHING INDUSTRY, DISCUSS HEALTH OF OCEANS AS PARAMOUNT ...CHANGING OCEAN CONDITIONS

**PERCEPTION THAT CONSERVATION AND COMMERCIAL FISHING ARE MUTUALLY EXCLUSIVE**

**STUDY IS A GOOD VIEW OF THE PAST...** FUTURE STUDIES ARE REQUIRED FOR THE COAST...SHIFT IN OWNERSHIP OF LICENSES OUT OF LOCAL AREA (EX. 15 LICENSES BOUGHT AND MOVED TO KAMLOOPS)...LOSS OF AREA/LICENCES...REDUCTION OF CREW SIZE ...AGING FLEET OWNERSHIP...REDUCTION IN FLEXIBILITY...DEGRADATION OF FISHERMAN...NUMBER OF FISHERMAN IS GOING DOWN, DISCONNECT BETWEEN COAST COMMUNITIES...FISHING IS STILL IMPORTANT...

**VALUATION**

VALUATION OF COMMERCIAL FISHERIES MORE THAN CATCH DATA  
VALUE OF THE COMMERCIAL FISHERY IS LARGER THAN THE AREA  
VALUE OF THE FISH SHOULD COME FROM THE NUTRITIONAL ASPECT  
WHEN MAKING DECISIONS

COMMERCIAL FISHERIES SECTOR HAS THE MOST EXPOSURE

LOOK AT INDIRECT IMPACT AND INDUCE IMPACTS

**REGULATORY CONCERNS**

PIECE-MEAL APPLICATION OF POLICIES ARE NOT WORKING...UNEVEN  
APPLICATION OF DIFFERENT FISHERIES MODELS

DFO MANDATE IS THE PROTECTION OF FISH HABITAT-DFO  
MISMANAGEMENT LEAVES GROUP FEELING VICTIMIZED

LOSS OF CORPORATE MEMORY AT DFO/IMPACT OF PAST DECISIONS

TOO MANY DIFFERENT RULES FOR THE SAME SALMON

CURRENT DECLINES ARE RESULT OF PREVIOUS DECISIONS FROM DFO

**PNCIMA COMMENTS**

EXPAND PNCIMA BOUNDARY TO THE 200 MILE LIMIT  
CLEAR DEFINITION OF PNCIMA'S SCOPE AND GOALS

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## **ISSUES**

### **CHANGING INDUSTRY**

IN THIS REGION-THE TRANSFER OF NORTH COAST LICENCES TO THE CENTRAL COAST THROUGH PICFI.

LOSS OF NEXT GENERATION FISHERS AND BOATERS AND THEIR SKILL SET.

### **CHANGING REGION**

ISSUE AND INTERACTION-UNKNOWN IMPACTS OF MARINE TRAFFIC AND NEG. IMPACT ON ABILITIES TO FISH

OCEAN HEALTH AND IMPACT ON THE HEALTH OF PNCIMA

LOCAL AT ITQ FISHERY ON THE RETENTION IN THE NORTH/AREA RE-SELECTION IMPACTS

WHERE DOES THE DOLLAR GO FOR THE FISH CAUGHT IN THIS AREA?

### **DATA QUALITY/REFERENCE INFORMATION CONCERNS**

GILSLISON STUDY ON MIFFLIN – NOT ACCURATE NEGATIVE STUDY ON THE NORTH COAST

NORTH WEST INSTITUTE STUDY - NEGATIVE...

REPORTS BIASED BY WHO IS PAYING FOR THE STUDY

CONCERN THAT STUDIES USED ARE SKEWED AND ARE NOT OBJECTIVE...HOW WILL THE RESEARCH INTEGRITY BE GUARANTEED?...HOW APPLICABLE IS THE DATA TO ITS SUBSEQUENT USE PNCIMA?

TOO MANY DECISIONS BASED ON STUDIES FROM OTHER COUNTRIES (LIKE ALASKA)...DATA SHOULD BE COLLECTED FROM FISHERMAN FROM THE REGION

LOCAL, TRADITIONAL, FIRST NATION KNOWLEDGE IS MORE REFLECTIVE OF LONGER TRENDS....UTILIZING LOCAL KNOWLEDGE WILL GIVE MORE ACCURATE TRENDS... SOURCE OF LONG-TERM RESOURCE KNOWLEDGE

RISKY TO SEPARATE CULTURAL ASPECTS FROM SOCIOECONOMIC ASPECTS

### **ISSUES RELATED TO FEDERAL GOVERNMENT**

**AWARENESS OF ISSUES IN REGION**

WEST COAST COMMUNITIES FORGOTTEN WHEN COMPARED TO THE EAST COAST (WHEN COMPARING RESOURCES FROM OTTAWA)

**PNCIMA**

CLEAR DEFINITION OF PCIMA IDEA OR SCOPE OF THE GOAL

EQUITABLE INPUT FROM ALL STAKEHOLDERS

MARINE PLANNING SHOULD NOTE THAT THE COMMERCIAL FISHERY IS DECLINING STRICTLY BECAUSE OF DFO REMOVING FISHERS NOT THE DECLINE OF STOCKS.

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**TRENDS**

**CHANGING REGION**

DISAPPEARANCES OF SMALL BOAT FISHERIES IN SMALL COMMUNITIES

NUMBER OF FISHERMAN IS GOING DOWN, DISCONNECT BETWEEN COAST COMMUNITIES

NEGATIVE OCEAN HEALTH

TREND OF MOVING FISHERY HIGHER UP THE RIVER – FISH NOT AS VALUABLE (SOLD FOR LESS) WHEN CAUGHT HIGHER UP IN THE RIVER/FURTHER FROM OCEAN

**ECONOMIC LOSS –MOVEMENT OUT OF REGION**

MOVING LICENCES OUT OF THE REGION TO SUPPORT ECONOMIC OPPORTUNITIES IN OTHER REGIONS...15 LICENSES BOUGHT AND MOVED TO KAMLOOPS...

EXPORT OF RAW PRODUCT OUT OF THE REGION (EX. DUGEONS CRAB NO LONGER PROCESSED LOCALLY – LOSS OF ECONOMIC OPPORTUNITY)

**POLICY CONSTRAINTS**

POLICY CONSTRAINTS FOR EMERGING /NEW FISHERIES ARE CONSTRICTED

POLICY CONSTRAINTS IMPACTS VALUE THROUGH ISSUES LIKE BY-CATCH.

LOSS OF CORPORATE MEMORY AT DFO...ISSUE WITH CURRENT GUIDING POLICY

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**INTERACTIONS BETWEEN USERS**

**CONFLICT**

CONFLICT BETWEEN JURISDICTIONS, CONFLICT BETWEEN SECTORS...OTHER USES HAVING NEGATIVE FISHERIES IMPACTS

GLOBAL TRENDS IN MARINE TRANSPORTATION HAVE LARGE IMPACTS ON COMMERCIAL FISHERY

UNKNOWN IMPACTS OF MARINE TRAFFIC AND NEGATIVE IMPACT ON ABILITY TO FISH

**VALUE LOST**

HARVEST AND PROCESSING- VALUE LOST

**POLICIES**

POLICIES DEVELOPED ELSEWHERE THAT HAVE/WILL IMPACT THE NORTH

NEW AND DIFFERENT FISH TO THE REGIONS ARE A THREAT TO THE WILD SALMON AND NEED TO BE EXPLOITED FOR THE CONSERVATION OF SALMON STOCKS.

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**SUGGESTED RESOURCES**

GORD GISLASON REPORTS

IBM – IMPACT OF FISH FARMING (NORTHWEST INSTITUTE)

**7) PLENARY SESSION WRAP-UP: COMMERCIAL FISHERY AND MARINE TRANSPORTATION**

**COMMERCIAL FISHERY**

DID NOT CAPTURE INFORMATION ON REPORTS/REFERENCES THAT WERE LACKING...

ISSUES, TRENDS, INTERACTIONS FRAMEWORK WAS USED TO FOCUS WORK...PICFI PROCESS AND HOW THIS MIGHT TRANSFER INTO OTHER REGIONS-IMPACT OF POLICIES SO THAT WE CAN LEARN FROM THE PAST...CORPORATE MEMORY IS NECESSARY...

LOSS OF NEXT GENERATION OF FISHERMAN...AVERAGE AGE OF FISHERMEN IS INCREASING...NEW MARINE USES MAKE FISHING A CHALLENGE, HOW WILL NEW FISHERMAN AND SKILL SET BE DEVELOPED WITH THESE CHALLENGES...CHALLENGE OF INCREASED DEBT IN BEGINNING THIS CAREER...

REVISITED 200 MILE LIMIT-EVEN BROADER...OCEAN HEALTH FACTORED IN TO HEALTH OF COMMERCIAL FISHERIES...NEUTRALITY OF DATA-WHO PAID FOR IT...OUTCOMES...SECOA GROUP TO PUBLISH REPORTS AS SOON AS POSSIBLE, ROLE OF GROUP IN IDENTIFYING ISSUES PROVIDING FEEDBACK...

LINKAGES TO FISHERIES AND COMMUNITIES AND CULTURE...

FISHERIES MANAGEMENT ACROSS THE REGIONS...

TRENDS- SMALL BOAT FISHERY REDUCTION, IMPACTS ON THE COMMUNITIES, MOVING LICENCES OUT OF THE REGION, PICFI PROCESS...SHIFT FROM INDEPENDENT TO COMMERCIAL FISHERIES...

INTERACTION- BETWEEN USERS AND BETWEEN SECTORS- FISHING AND SEAFOOD PROCESSING SECTORS- CONFLICTS BETWEEN JURISDICTIONS...HARMONIZE THIS PROCESS...OTHER USES AND THE IMPACT OF THIS ON FISHERIES...

SUGGESTION FROM RICK: IN THE REPORT ON PROCEEDINGS THERE SHOULD BE A SECTION THAT OUTLINES "WHAT WE HEARD THAT INFLUENCES HOW WE MOVE FORWARD"...

## MARINE TRANSPORTATION

ISSUE- DEFINITION OF MARINE TRANSPORTATION AND VESSEL MAX 20M IN LENGTH NOT APPROPRIATE FOR REGION, FLOAT PLANES NEED TO BE ADDED AS VESSEL...

ISSUES-EROSION, HERITAGE VALUES, INVASIVE SPP VIA BALLAST WATER, SAFETY IN SMALL VESSELS, DATA QUALITY-HOW THE VESSEL MOVEMENT IS TRACKED OR PROVIDED...OIL SPILLS AND POTENTIAL FOR OIL SPILLS-SMALL SCALE OIL POLLUTION, LOCALIZED IMPACT-MECHANISMS TO ADDRESS THIS...MANMADE STRUCTURES AND IMPACT ON MARINE TRAFFIC AND FISHERIES...DFO ABILITY TO MONITOR/ENFORCE VESSEL MOVEMENT RESTRICTIONS...MARINE DUMPING-GARBAGE DUMPED OUTSIDE OF THE MARINE BOUNDARY THAT ENDS UP ON PNCIMA COAST...

INVISIBLE DATA...

LACK OF TRANSPORT CANADA INTEREST IN THE PROCESS...

LARGE VESSEL TRAFFIC AND INCREASES IN EROSION...DIFFICULT TO IDENTIFY TRENDS WHEN EXISTING STATE IS NOT IDENTIFIED...

INCREASE IN TRAFFIC AND HOW THIS WILL RELATE TO OTHER INCREASES AND TRENDS...

CONSIDER LONG-TERM TRENDS...WHAT IS DRIVING THE TRENDS, WHAT ARE THE IMPLICATIONS...

TRENDS-MARINE TRANSPORTATION TIES THE COAST TOGETHER, FLOAT PLANES IMPORTANT, FISHERIES INTERACTIONS AND MARINE TRANSPORTATION, INTERACTIONS BETWEEN SMALL AND LARGE VESSELS, INTERACTIONS FROM OUTSIDE PNCIMA(GARBAGE)...BETWEEN INDUSTRIES (PERMANENT TRAPS AND SHIPPING ROUTES)...DATA-GAPS...OCEAN ACIDIFICATION ETC...HOW PEOPLE LIVE,FISHING LODGES AND GARBAGE, COST OF MARINE TRANSP AND OTHER VALUES SUCH AS HERITAGE...INFLUENCE OF SMALL CRAFT HARBOURS, BOAT LAUNCHES AS IMP ON COAST, INTERRELATEDNESS...INTL CARBON AGREEMENTS AND WHAT HAPPENS ON THE COAST... VALUES AND MARINE REOSURCES-WHAT ARE THERE STATUS IN REGARDS TO RISK...

**GROUP COMMENTS:**

BENEFITS OF MARINE TRANSPORTATION AND FULL COSTING NEEDS TO BE DOCUMENTED...

RADAR CONTROL- THIS IS LACKING IN THIS AREA

SIGNIFICANCE- PAGE 13, 16 SPECIFICALLY -OIL TANKERS SERVE THE COMMUNITIES OF NORTH COAST-IN FACT OIL AND GAS NEEDS ARE SERVED BY TUG AND BARGE...

NEIL DAVIS- OTHER QUESTIONS THAT WERE NOT ADDRESSED IN MORNING SESSION DAY 1:

Q: ACCESS TO RAW OR PROCESSED DATA IS OFTEN PROBLEMATIC- HOW WILL THE USE OF OTHER FUNDING IMPACT DATA QUALITY?

NEIL DAVIS-CERTAIN PRINCIPLES WILL BE REQUIRED IN ACCEPTING FUNDING FROM MOORE FOUNDATION-AT THIS STAGE, THERE IS NO SUCH ARRANGEMENT IN PLACE...THERE ARE PRINCIPLES THAT HAVE BEEN DRAFTED FOR THIS INITIATIVE, CAN BE SHARED WITH GROUP...PRINCIPLES NEED TO BE FINALIZED.

Q: HOW DO WE ENSURE THAT DATA IS USED APPROPRIATELY?  
NEIL DAVIS- STAKEHOLDER ENGAGEMENT STRATEGY-HOW DO WE USE INFORMATION THAT IS PROVIDED...PLANNING PROCESS...

Q: WILL PNCIMA MEETINGS BE HELD PRIMARILY IN VANCOUVER?

NEIL DAVIS: STAKEHOLDER ENGAGEMENT FORUMS IN AREAS AND VANCOUVER...

Q: HOW WILL CULTURAL VALUES BE MEASURED AND RECORDED?

NEIL DAVIS: Q FOR SESSIONS TOMORROW...WE RECOGNIZE THAT WE CAN'T SEPARATE CULTURE AND COMMUNITY IMPORTANCE FROM OTHER SESSIONS TO BE DISCUSSED...DEDICATED DISCUSSION ALSO...

Q: WILL THE REPORT BE GIS AND TEXT? TEXT AND MAPS.?

NEIL DAVIS: PNCIMA ATLAS-MAPPED INFO

Q: WHERE DOES THE INFORMATION GO WHEN THE DECISIONS ARE TO BE MADE? HOW DOES THIS INFORMATION SUPPORT DECISION MAKING IN THE FUTURE?

NEIL DAVIS: DEVELOPMENT OF OBJECTIVES-WHAT MIGHT WE LIKE TO ACHIEVE WITH A PLAN-THIS INFO CAN PROVIDE SUPPORT TO DECISIONS...PRESENT VS FUTURE-WHAT TYPES OF THINGS/RECOMMENDATIONS ARE NEEDED FOR A PLAN...

Q: PROCESS-CONSULTANT WRITING A REPORT FROM MEETINGS LIKE THIS AND STUDIES...WHERE DOES THIS INFORMATION GO AFTER THAT...REFERENCE TO PITT-NO INPUT FROM NORTH COAST...ALL OF THE SAME CONCERNS WERE VOICED- WILL WE BE LEFT OUT? MONEY INTERESTS? CAPACITY CONCERNS? WHAT IS OUR CAPACITY TO MAKE SURE THAT OUR INTERESTS ARE REFLECTED IN THIS DOCUMENT? HOW WILL THIS LACK OF INVOLVEMENT DUE TO LACK OF FUNDING BE REFLECTED OR NOT REFLECTED?

*"WE HAVE NEVER BEEN ABLE TO IMPACT THE OUTCOME OF A DFO CONSULTATION PROCESS TO AFFECT THE OUTCOME...HOW DO WE SEE OUR INPUTS REFLECTED IN THE OUTPUTS..."*

NEIL DAVIS-THERE WERE SOME MEETINGS PRIOR TO FORUM, FORUM, AFTER FORUM IN VARIOUS COMMUNITIES...INTEND TO CONTINUE DOING SO...INPUT HAS BEEN REFLECTED IN PAST REPORTS AND WILL BE REFLECTED IN THE SECOA REPORT...



**8) BREAKOUT SESSIONS – VALUE AND ACTIVITY PROFILES**

**8A) COASTAL TENURE ACTIVITIES**

**IMPORTANT OBSERVATIONS**

**DEFINITION OF MARINE TENURES:** THIS WILL SUMMARIZE PERMISSION TO USE OR OCCUPY MARINE SURFACE OR FORESHORE THAT ARE NOT ADDRESSED BY OTHER VALUES. THE GENERAL NATURE OR TERMS OF THE TENURE WOULD BE IDENTIFIED, LOCATION, AND GENERAL PURPOSE. RELATIONSHIP TO WIDER ECONOMIC IDENTIFIED. INCLUDES TENURES RELATED TO LOG STORAGE/HANDLING, WHARVES AND BOAT HAVENS, TENURED FLOAT HOUSES, SEA BED UTILITY CORRIDORS (E.G. COMMUNICATION, WATER LINES)

CONERN FROM THE GROUP WITH DEFINITION OF “COASTAL TENURE ACTIVITIES”

CONCERN ASSOCIATED WITH COASTAL TENURING ACTIVITIES/GRANTS IN THE ABSENCE OF RIGHTS AND TITLE ISSUES BEING RESOLVED...COST ASSOCIATED WITH RIGHTS AND TITLE ISSUES NOT BEING RESOLVED...

HISTORY OF PRIVATIZATION OF LAND IN BC....USE OF RESOURCES WILL CHANGE OVER TIME....

WHAT DIFFERENT TENURES HAVE IN COMMON IS IMPORTANT.

SHELLFISH CULTURES ARE MUTUALLY EXCLUSIVE-NO OTHER TENURE ACTIVITIES POSSIBLE IF AREA USED FOR SHELLFISH AQUACULTURE

NEED TO MAKE A VALUE OF THE TENURE

COST OF OBTAINING A TENURE IN BC IS PROHIBITIVE FOR SMALL FAMILY BUSINESSES

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**ISSUES**

AQUACULTURE ACTIVITIES/LICENSING

RIGHTS AND TITLE

COSTING NEEDS TO BE INCLUDED

WHO IS RESPONSIBLE FOR CLEAN UP OF EXPIRED TENURES

INVESTORS ARE NOT INTERESTED IN TENURES THAT ARE SHORT TERM,  
CAUGHT IN CATCH 22...

OFF SHORE TENURE IS SUBJECT TO INDECISION ON WHO HAS AUTHORITY  
– TOO MANY REGULATORS/JURISDICTIONAL COMPLICATIONS...

NET LOSS IF THE INCOME FROM THE TENURE IS LEAVING THE AREA.

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### **TRENDS**

PROBLEMS WITH THE CURRENT TENURING PROCESS...

COMMUNITY ADVISORY FORUM ARE ABLE TO DEVELOP A PROCESS AND  
FED GOV'T RESPONDED POSITIVELY

TSIMHAM WORKING GROUP HAS HISTORICAL DATA THAT MY BE OF USE  
HISTORY OF SALT MARSH WOULD BE USEFUL

FOREST TENURES ARE OVER 50% ABORIGINALLY HELD

NZ FISHERY TENURES WERE GIVEN TO THE FISHERS AND HAVE TURNED  
THE TREND AROUND

ALIGNMENT OF RIGHTS AND TITLES WITH TENURES IS A TREND

TREND TO "TENURE OUTSIDE TREATY" MASTER LAND AGREEMENT E.G.  
DISCOVERY HARBOUR

TREND: ECONOMIC BENEFIT OF TENURES LEAVE THE AREA.-FISH  
PROCESSING OUTSIDE OF PNCIMA...

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### **INTERACTIONS BETWEEN USERS**

SCRD APPROVED A WAVE A TITLE POWER DEMONSTRATION

DISPOSAL OF OFFAL BY PROCESSING

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## **8B) RECREATIONAL FISHING**

RICK DELANEY, STEVE NICOL

### **DISCUSSION REGARDING DEFINITION**

**DEFN:** NON COMMERCIAL SALTWATER ANGLING BY RESIDENT AND NON-RESIDENT PERSONS

PARAPHRASE: THE GROUP TAKES EXCEPTION TO THE TERM NON-COMMERCIAL AS IT INFERS THAT RECREATIONAL FISHING IS NOT A VIABLE COMMERCIAL ACTIVITY...

AS CLARIFICATION-DEFN OF COMMERCIAL PROVIDED TO GROUP-HARVESTING FOR THE PURPOSES OF DIRECT SALE TO CONSUMERS...

#### **CONERN: "SALTWATER"**

Q: WHY LIMITED TO SALTWATER, SAME FISH CAUGHT IN RIVER AND AT SEA? SUGGESTION: DEALING WITH SAME SPP IN THE STUDY AREA, IT SHOULD BE INCLUDED WHETHER CAUGHT IN SW OR IN FW, WHETHER CAUGHT IN THE STUDY AREA BY RESIDENT OR NON-RESIDENT...

#### **CONCERN: "ANGLING"**

CAROLINE BUTLER- MORE THAN FISH AND ROD UNDER NON-COMMERCIAL LICENSE- NETS, POTS, TRAPS ALSO INCLUDED, ANGLING IS NOT CORRECT/NOT INCLUSIVE...

#### **CONCERN "RESIDENT"**

RESIDENT VS NON-CANADIAN...LONG STANDING DEFINITION THAT NON-RESIDENT MEANS NOT A CANADIAN CITIZEN...

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### **RANDY AND STEVE- GENERAL OVERVIEW**

RANDY: ISSUES, BASELINE PROFILE, DATA USED...FISHING LICENCE SALES, BOAT USE, WHAT THIS USE MEANS ON ECONOMIC IMPACTS-GDP ETC...VALUE OF THE ACTIVITY, SEASONALITY, PEOPLE INVOLVED IN ACTIVITY...NON VS RESIDENT ACTIVITY-AS DOCUMENTED THROUGH FISHING LODGES ALSO BOAT RENTALS...FUTURE TRENDS-WHERE IS VALUE HEADED...IS PARTICIPATION GOING UP/DOWN, INTERACTIONS WITH OTHER MARINE USES, OTHER RESOURCE USES, OTHER ACTIVITIES, COMMUNITIES...BASIC STRUCTURE.

STEVE -ECON IMPACT ON COMMUNITIES FROM REDUCED CATCH, SHRINKING POPLN, CONSERVATION MEASURES, FUTURE MPAS, REC VS

OTHER USER GROUPS-OTHER RESOURCE USERS AND OTHER FISHERS,  
CONFLICT BETWEEN USERS AND RESIDENTS, ENFORCEMENT OF SPORT  
REG, CHARTER OPP/LODGE OPERATIONS, MARINE TRANSP AND REC  
FISHING...

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### **IMPORTANT OBSERVATIONS**

LACK OF CATCH DATA, ESTABLISHMENT OF MPAS, ALLOCATION  
SPORT/COMMERCIAL, QUOTA COMMERCIAL VS REC, CONSERVATION  
CONSTRAINTS-FAIR FOR ALL USERS...

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### **ISSUES**

#### **LACK OF REGULATIONS**

UNREGULATED GROUP- NEED FOR GUIDING POLICIES-REQUIREMENT FOR  
LOCAL GUIDES ON FISHING TRIPS... YUKON- NON RESIDENTS CAN'T FISH  
WITHOUT A LOCAL GUIDE- LOCAL RESPONSIBILITY, LOCAL ECONOMY  
STIMULUS...

LACK OF MONITORING OF TACS...

ACCOUNTABILITY, COMPLIANCE- 62% NON COMPLIANCE...COMMENT  
FROM SPORT FISHING ADVISORY BOARD -REGULATIONS...62% NON  
COMPLIANCE IS A MYTH..

PACIFIC SALMON TREATY- RECREATIONAL FISHING ON HAIDA GWAII BUT  
NOT THE MAINLAND IS COVERED...IMPLICATIONS ON REGULATION OF  
RECREATIONAL CATCH AND RELEASE FISHERIES...

GROUP DISAGREES THAT BETTER DATA ON REC FISHING HAS BEEN  
COLLECTED- MORE TRANSPARENCY NEEDED, INFORMATION NOT  
REACHING COMMUNITIES...

ACCOUNTABILITY-GEAR ISSUES, TARGETING SPECIFIC SPECIES, CAP  
LIMITS TO GROUND FISH SPECIES

COD FISH- 30-50 YEARS FOR ROCKFISH TO GROW...REGENERATION TIME  
AND LACK OF MONITORING...

NEED BIOLOGY BASED REGULATIONS FOR COMMERCIAL AND  
RECREATIONAL FISHERIES...HALIBUT COLLAPSE RESULTED IN 32 INCH  
SIZE LIMIT FOR HALIBUT HARVEST...COMPLIANCE MONITORING  
REQUIRED... MALE GROWTH RATE DIFFERENT THAN FEMALE, FEMALE

GROWS TO LARGE SIZE, CATCH ALL SMALL HALIBUT, THIS TARGETS THE MALE PORTION OF THE HALIBUT POPULATION...

CARRYING CAPACITY- WORK DONE ON COMMERCIAL FISHERIES BUT NOT IN REC FISHERIES -MASSET 50 BOATS FISHING IN ONE SMALL AREA, NO WHERE ELSE, CERTAIN STREAMS WILL GET KNOCKED OUT BY TARGETED FISHING-AREA BASED RESTRICTIONS FOR RECREATIONAL FISHING ARE NEED JUST AS IN COMMERCIAL FISHING

**LOCAL VS TOURIST RECREATIONAL FISHERMAN**-DIFFERENT VALUES HELD BY THESE TWO GROUPS...IMPORTANT CONSIDERATION...LOCAL RECREATIONAL FISHERMAN SHOULD NOT BE GROUPED WITH "COMMERCIAL" RECREATIONAL FISHERMAN (I.E. TOURIST RECREATIONAL FISHERMAN POTENTIALLY ASSOCIATED WITH A FISHING LODGE)

**CATCH AND RELEASE** -CONCERNS IN REGARDS TO THE ECOLOGICAL IMPACT OF THIS PRACTICE...IMPLICATIONS OF CATCH AND RELEASE RECREATIONAL FISHERY AND ASSOCIATED MORTALITIES ON THE COMMERCIAL FISHERY FOR TARGETED SPP...

**POLLUTION ASSOCIATED WITH FISHING LODGES**-CONCERNS WITH NUMBER OF FLOATING LODGES AND POLLN ASSOCIATED WITH LODGES...NUMBER OF BEDS ON FLOATING LODGES...SOME LODGES DON'T HAVE TENURES, NOT REGULATED...

POLLUTION FROM LEAD WEIGHTS A CONCERN IN HAIDA GWAIL...NEED TO IMPLEMENT USE OF STEEL WEIGHTS POLICY...

POLLUTION ISSUES...WATER BOTTLE ISSUE-WATER BOTTLES SHOW UP ON BEACHES...REFUSE FROM RECREATIONAL FISHERMAN AND LODGES...

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### **TRENDS**

**DROP IN US SPORT FISHERMAN**, INCREASE IN REC FISHING OVERALL...MULTISTAKEHOLDER ADVISORY BOARD-QUOTING ISSUES/CHALL PAPER...REC FISHING IS DEPENDENT ON ECONOMY-CHARTER/LODGE PARTIC DOWN 25% IN 2009 IN AB AND US, UNSTABLE HARVEST OF HALIBUT, 12% DOWN, DAILY LIMITS REDUCED

**ECOTOURISM** RESTRICTS ACCESS TO FISHING RESOURCE

**LIMITED ECONOMIC IMPACT OF FISHING RESORTS ON COMMUNITY...OWNED OUTSIDE OF REGION, EMPLOYEES HIRED FORM OUTSIDE OF REGION**

**LOCAL EMPLOYMENT OPPORTUNITIES MAY BE AS LOW AS 7-8% AT FISHING RESORTS ON HAIDA GWAIL..BASED ON A STUDY FROM LANGARA**

**EMPLOYMENT OF LOCALS IN FISHING LODGES- LOCALS AS SHORT-TERM HIRES... MINED FOR LOCAL KNOWLEDGE ABOUT FISHING HOT SPOTS AND THEN LET GO**

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### **INTERACTIONS**

#### **ALLOCATION OF RECREATION VS COMMERCIAL SALMON FISHING QUOTA**

**REVISITING OF 95:5 COMMERCIAL: RECREATION QUOTA POLICY ALLOCATION... INCONSISTENT UNEVEN APPLICATION OF POLICY AS IT EXISTS...**

**PRIORITY ACCESS OF RECREATIONAL FISHERMAN TO COMMERCIAL TARGET SPECIES COHO AND CHINOOK...**

**CONSERVATION RESTRICTIONS IMPACT ONLY COMMERCIAL FISHERY FISH UNTIL STOCKS DECLINE FURTHER THEN RESTRICTIONS ON SPORT FISHING ARE IMPLEMENTED...CONCERN THAT WITH NO REGULATION OF CATCH AND RELEASE REQUIREMENT... WHAT ARE ECOLOGICAL IMPLICATIONS ON STOCK AND POTENTIAL IMPLICATIONS ON FURTHER RESTRICTIONS OF COMMERCIAL FISHERY ACCESS...**

**COMPETITION BEWTEEN FIRST NATIONS AND RECREATIONAL FISHERMEN FOR SPACE (TRAP DEPLOYMENT), ACCESS TO FISHING AREAS, COMPETITION FOR RESOURCES... FIRST NATIONS FISHERMAN MOVE TO OTHER AREAS NOT OCCUPIED BY SPORT FISHERMAN... ASSOCIATED TIME AND MONEY COSTS IN HAVING TO TRAVEL FURTHER TO FISH...**

**SUGGESTION FROM PARTICIPANT-FOUR COMPONENTS TO TARGET: LARGE SCALE LODGES, CHARTER BOATS, INDEPENDENT RECREATIONAL FISHERMEN, NON ABORIGINAL TARGETED FOOD HARVESTING -ISSUE ON HOW TO DIFFERENTIATE THIS FROM TOURISM...**

**SUGGESTION FROM PARTICIPANT-VALUATION OF COMMERCIAL VS RECREATIONAL FISHING-TOURISM SPIN-OFF GENERATOR VS COMMERCIAL BASED ON VESSEL NUMBER- THIS NEEDS TO BE DONE CONSISTENTLY...**

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**REPORTS**

ECONOMIC DIMENSIONS OF SKEENA WATERSHED SALMONID FISHERIES  
PREPARED FOR THE PACIFIC SALMON FOUNDATION 2008

NEW DIRECTIONS PAPER-HISTORY OF SPORT FISHING ADVISORY BOARD  
VISIONS DOCUMENT

COMMENT –PACIFIC SALMON COMMISSION STUDY WAS FUNDED BY  
MOORE FOUNDATION, CONFLICT OF INTEREST, DATA/INFORMATION IS  
NOT ACCURATE...ECONOMIC VALUE PER FISH DECREASED AS FISHERY  
WAS SHIFTED HIGHER UP THE RIVER...

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**COMMENTS DIRECTED TOWARD DFO**

QUOTA RE-ALLOCATION POLICY- ANYTIME DFO SITTING IN A ROOM IS A  
GOOD TIME TO ADDRESS QUOTA ALLOCATION OPPORTUNITIES...

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## **8C) SEAFOOD PROCESSING**

### **DEFINITION**

LAND AND MARINE BASED FACILITIES THAT PREPARE THE PRIMARY PRODUCT FOR MARKET. INCLUDES HARVEST FROM WILD FISHERIES AND AQUACULTURE OPERATIONS.

ANCILLARY COMPONENTS – ALLIED FISHERIES UNION ROLE IN BOAT BUILDING AND REDUCTION PLANTS

ARE THERE ANY PROCESSING ACTIVITIES THAT DIRECTLY FEED INTO THE MARKET? YES – NOT CANNED BUT IF YOU INCLUDE SHIPPING OF LIVE PRODUCT – LIVE CRAB – 70% BO LIVE BC CRAB GOES TO CHINA.

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### **ISSUES**

- GATT – HAS QUALITY CONTROL THAT HAD SIGNIFICANT RESTRICTIONS FOR EXPORT – STRUCK DOWN IN THE COURTS
- SPECIES THAT DON'T MOVE AROUND SHOULD BE PROCESSED IN THE REGION
- ROE HERRING IS MOSTLY PROCESSED IN BC BUT NOT IN NC
- JOBS-HOW MUCH WORK IS OCCURRING NOW?
  - – HAIDA GWAI – NOT ENOUGH OFFLOADING TO GET EI...A COUPLE OF YEARS AGO THEY WOULD – MINIMAL – OFFAL DISPOSAL REGULATION CHANGE HAS CAUSED THE REDUCTION (ENVIRONMENT CANADA)
- QUESTIONS AROUND OCEAN CHEMISTRY EFFECTS ON THE SECTOR
- B/C OF DFO POLICY CHANGES – PLANTS HAVE HAD TO SCALE BACK
- CORPORATE DECISIONS – SOME COMPANIES HAVE MADE DECISIONS TO PROCESS IN OTHER LOCATIONS DUE TO COSTS OR PRODUCTIVITY
- PROCESSORS WANT TO CONTROL BY OWNING QUOTA

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### **INTERACTIONS**

#### **IMPORTANCE OF SEAFOOD SECTOR TO OTHERS**

THE MARKET – UP DOWN?

- TURBOT, POLLOCK, HAKE ARE THE FOCUS
- SALMON ROE
- AERO AND CBI – BIGGEST HALIBUT (JUST WASH IT, HEADS OFF, TAG)



## **LOCATION**

4 SEAFOOD PLANTS FOR HAIDA GAWAII

1 DUNGENOUS CRAB

1 GROUND FISH

SEAPAC - SPORT CAUGHT FISH

1 CRAB, RAZOR CLAMS, SALMON

OMEGA –

ALBION – SUBSIDIARY OF MACMILLIAN

OCEAN FISH – SOME GROUND FISH

CANADIAN FISH – CANS FISH FROM ALASKA AND BC (SALMON AND HERRING) (ONLY HERRING PROCESSOR ON NC)

KLEMTU – AQUACULTURE

BELLA BELLA – OPERATES ON AND OFF

PORT SIMPSON – OPPORTUNISTIC (SALMON)

BELLA COOLA -

PORT EDWARDS – PORT ED – SECURA/GRANDTAIL

- OFFLOADING STATIONS
- TENIRIFF –
- AERO TRADING
- PORCHER SEAFOOD – OFFLOAD CRAB AND LICENCE
- ODEN – SEAWORLD
- DNN- OLD GRAIN TERMINAL
- DEEP SEA

## **WHERE DOES THE ECONOMICS ACCRUE TO**

- GEODUCK PROCESSING? URCHINS – ECOTRUST - CATCH 22 – PROVIDES INFO ON THE WHO OWNS THE LICENSES
- ECOTRUST – DATA SET FOR THE RESOURCE DATA SET

## **HISTORY OF SEAFOOD PROCESSING**

- PROCESSORS ALWAYS OWNED BOAT SHOPS AND REDUCTION PLANTS
  - USED TO PROCESS SIGNIFICANT AMOUNT OF HERRING NO LONGER
  - PROCESSORS USED TO CONTROL THE MARKET BY CONTROLLING THE SUPPLY NOW CHANGING THROUGH OWNING QUOTA
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## **TRENDS**

### **FUTURE TRENDS**

- THREE FACTORY PROCESSORS DOING TURBOT AND POLLOCK
- AREA A CRAB ASSOCIATION – GISLASON REPORT ON ECONOMIC OUT LOOK
- SOME PROCESSING FROM ALASKA WHEN THEIR PLANTS ARE WORKING TO CAPACITY (CHUM AND PINK SALMON)
- SOCKEYE STOCKS ARE LESS AND LESS STABLE SO CANNING HAS MOVED UP TO ALASKA
- ATTEMPTS TO INCREASE PROCESSING BY RE-OPENING COLLECTIVE AGREEMENTS TO MEET THE DEMANDS OF THE SPECIES BEING PROCESSED
- TRACEABILITY – WORK BEING DONE WITH CRABS TO TRACE THE PRODUCT THROUGH THE PROCESS FROM BOAT TO MARKET
- DFO HAS MANDATED TRACABILITY BY 2009
- HAS NEVER PROCESSED SEAFOOD – URCHIN, CUCCS, SHRIMP
- USE TO HAVE LARGE NUMBER OF SHRIMP BOATS BUT NO LONGER -

HALIBUT TAC IS DECREASING PROCESSING HERE – PARTIALLY DUE TO SUCH LOW LEVEL OF PROCESSING

DOGFISH PROCESSING IS ONE POSSIBILITY

### **POSITIVE TRENDS**

- 10 MIL PUMPED INTO MASSET FOR TURBOT PROCESSING (THREE DAYS A WEEK)
- ALL OF THE COMPANIES ARE DIVERSIFYING OUT OF SALMON -
- CONTAINER PORT WILL ALLOW DIRECT SHIPMENTS TO CHINA – THOUGH DUE TO CHEAP PROCESSING THERE IS SOME CONERN THAT FISH WILL BE SHIPPED FOR PROCESSING

## **8D) RESEARCH ENFORCEMENT COMPLIANCE MONITORING**

**RESEARCH:** OCEAN RESEARCH UNDERWAY IN PNCIMA. RESEARCH SITES, RESEARCH OBJECTIVES, LOCAL SPENDING

**ENFORCEMENT AND COMPLIANCE MONITORING: DEFINITION NOT PROVIDED**

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### **IMPORTANT OBSERVATIONS:**

FEDERAL ENFORCEMENT CONCERNS...NO INCENTIVES FOR COMPLIANCE...PUT PEOPLE ON THE GROUND AND IN WATER...

ENVIRONMENT ASSESSMENT PROCESS...CEAA'S ARE A GOOD SOURCE OF RESEARCH ...OPPORTUNITIES COME OUT OF THE EA PROCESS FOR NEW AND EMERGING FISHERIES

CAMERA'S AND OTHER ELECTRONICS AS ENFORCEMENT TOOLS...ALLOW SELF POLICING OF INDUSTRY WITH AN OUTCOME OF A DATABASE FOR STATISTICAL PURPOSES...DOWN LOADING OF COST IS THE DOWN FALL OF SMALL BOAT FISHERIES ON THIS COAST

IMPORTANT TO HAVE FUTURE CLIMATE TRENDS INCLUDED IN THIS STUDY – FRASER BASIN COUNCIL HAS FUNDING

LOSS OF KNOWLEDGE AS PEOPLE LEAVE THE AREA

TRENDS HAVE BEEN AROUND BIOLOGICAL DATA, SHOULD BE MORE ON SOCIO-ECONOMIC DATA.

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### **ISSUES**

#### **LACK OF COMPLIANCE MONITORING**

PERCEPTION OF LACK OF FUNDING FOR ENFORCEMENT...LACK OF MONITORING THAT WOULD LEAD TO ENFORCEMENT...ENFORCEMENT STAFF VACANCIES ARE AN ISSUE IN PNCIMA

GUARDIANS HAVE NO ENFORCEMENT POWERS

NEED FOR MONITORING OF RECREATIONAL FISHERIES...UNEQUAL ENFORCEMENT OF THE RULES FOR RECREATIONAL AND COMMERCIAL FLEETS AND RECREATIONAL FISHING HAS A LARGER IMPACT ON THE RESOURCE

LACK OF MONITORING FOR DISPOSALS LIKE PLASTICS OR TREATED WOOD

HOW'S IS CANADA DOING ON ITS INTERNATIONAL  
COMMITMENTS...JURISDICTION ISSUES

SO MANY LEVELS OF GOVERNMENT ALREADY, WHAT IS LACKING IS  
COMMUNICATION BETWEEN ALL LEVELS...

**KNOWLEDGE CAPTURE:** WORK WITH EXISTING FISHERMAN FLEET TO  
CAPTURE INFORMATION

**PNCIMA:** LACK OF COMMUNICATION REGARDING MPAS

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### **TRENDS**

#### **FEDERAL GOVERNMENT**

DECLINE IN FEDERAL GOVERNMENT SUPPORT IN ENFORCEMENT AND  
RESEARCH

LACK OF MONITORING FOR DISPOSAL OF WASTES SUCH AS PLASTIC

THE OCEANS ACT CALL FOR COLLABORATION BETWEEN  
INDUSTRY/GOVERNMENT

SO MANY LEVELS OF GOVERNMENT ALREADY, WHAT IS LACKING IS  
COMMUNICATION BETWEEN ALL LEVELS.

#### **ACADEMIC INTEREST**

INCREASED UNVERSTY RESEARCH INTEREST ON TOPICS OF REGION

EA'S AND LOCAL COLLEGES

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### **SUGGESTED RESOURCES**

BCMCA IS A RESEARCH GROUP FOR CONSERVATION DATA...WILL BE  
READY IN THE NEXT FEW MONTHS...

SHIPS OF OPPORTUNITY SHOULD BE USED FOR RESEARCH

PARTNERSHIPS WITH GOOGLE EARTH FOR MONITORING ENVIRONMENTS

ACCESS THE PARKS CANADA MARXAN RESEARCH FOR GWAI HAANAS

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**8E) NATIONAL DEFENSE AND PUBLIC SAFETY**

**DEFINITION:** RECORD OF ACTIVITIES RELATED TO NATIONAL DEFENSE IN PNCIMA OR RELATED TRAINING EXERCISE ACTIVITIES (ROLES AND RESPONSIBILITIES OF AGENCIES ADDRESSED IN GOVERNANCE OVERVIEW).

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**ISSUES-PUBLIC SAFETY**

**REGULATIONS:** MEMORANDUM OF UNDERSTANDING BETWEEN WORKSAFE BC AND TRANSPORT CANADA... CHANGE IN REGULATIONS...SOME WILL BE OUT OF WORK BECAUSE WON'T MEET QUALIFICATIONS...

LACK OF CCG RESOURCES: LARGE TANKER TRAFFIC SHOULD NOT BE APPROVED UNTIL CCG HAS INCREASED LOCAL CAPACITY AND THE ABILITY TO RESPOND TO TANKER ACCIDENTS AND OIL SPILL INCIDENTS

**CLARIFICATIONS TO SECOA CONTENT-**  
DON'T DISCOUNT LOCAL COMMUNITY STAFF ON VESSELS INCOMING TO PNCIMA-NOT ALL WORKERS ARE INTERNATIONAL OR FROM OUT OF REGION.

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**TRENDS-PUBLIC SAFETY**

**LACK OF SKILLED WORKERS AND LOCAL TRAINING OPPORTUNITIES:**  
WORKFORCE ISSUE- NEED FOR MARINE ENGINEERING COURSES TO BE OFFERED REGIONALLY...FINANCIAL DIFFICULTIES PREVENT WORKERS FROM TRAVELLING TO OTHER AREAS (e.g. VANCOUVER) FOR TRAINING...REGIONAL TRAINING OPPORTUNITIES AND GUIDANCE ON TRAINING REQUIRED IS NEEDED FOR SPECIFIC POSITIONS IS REQUIRED...

ENGINEERING, OILERS, DECK OFFICERS- ALL SKILLED WORKERS ARE LACKING...

INTERNATIONAL VESSELS...REGULATIONS PARALLEL INTERNATIONAL RULES...IMPLICATIONS ON TRAINING LEVELS FOR SAFETY REQUIREMENTS...IMPLICATIONS ON TRAINING NEEDS OF THE LOCAL WORKFORCE...

**UNREPORTED VESSEL ACCIDENTS-** LACK OF PUBLIC KNOWLEDGE OF HAZARDS ASSOCIATED WITH ALLOWING LARGE TANKERS INTO THE AREA...HONEST DATA ON VESSEL ACCIDENTS IS NEEDED

**FORECAST: INCREASED TRAFFIC**

INCREASED TRAFFIC IN PRINCE RUPERT AND KITIMAT... INFO PROVIDED BY CCG...ESTABLISH TRAFFIC SEPARATION SCHEMES...AGREEMENT FROM GROUP THAT THIS IS FUNDAMENTAL...

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**INTERACTIONS-PUBLIC SAFETY**

INTERACTION WITH CULTURE- HISTORICAL DE-STAFFED LIGHTSTATIONS COULD SERVE AS EMERGENCY WATCH STATIONS (SAFETY)

MANDATORY VESSEL TRACK SITUATIONS, CLEAR LANES, 100% COMPLIANCE...TO AVOID ACCIDENTS BETWEEN DIFFERENT USERS...

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**REFERENCES-PUBLIC SAFETY**

SECURING BC'S MARINE FUTURE DOCUMENT  
COOK INLET AND PRINCE WILLIAM SOUND ADVISORY FORUMS

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REMAINDER OF DISCUSSION FOCUSED ON DEFENSE...

DEFENSE-INTRODUCED BY CONTRACTOR...

- INFRASTRUCTURE IN AREA
- ACTIVITY IN AREA
- CIVIL DEFENSE CAPACITY, PUBLIC SAFETY, NATIONAL DEFENSE
- WHAT IS NEEDED, WHAT IS LACKING, WHO IS RESPONSIBLE

GROUP: SCOPE DOCUMENT FROM VIEW OF CIVIL DEFENSE...

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**ISSUES-DEFENSE**

**TRAINING**

NEED FOR MARINE TRAINING FACILITY IN THE NORTH

**ENFORCEMENT**

NEED INCREASED CAPACITY, NEED INFRASTRUCTURE, NEED WORKFORCE AND NEED LOCAL WORKFORCE...

**INTERNATIONAL SECURITY IN NORTH**

US/CANADA BORDER...BUSINESS CASE TO BE MADE FOR SECURING THE NORTH...

OIL SPILL ON THE NORTH COAST MAY SPREAD TO ALASKA-  
INTERNATIONAL CONCERNS

TERRORISM ISSUE- MAJOR TERRORIST ATTACK IN ALASKA- WILL RESULT  
IN INCREASED DEFENSE CAPACITY IN NORTHERN BC

**AIR COVERAGE**

IN RESPONSE TO AN INCIDENT IN THE AREA, ASSISTANCE IS MORE LIKELY  
FROM ALASKA THAN OWN CCG...

**CAPACITY TO RESPOND TO OIL SPILL**

NO RECOVERY CLASS VESSEL LOCATED IN THE NORTH COAST, MIN 48  
HOURS FOR VESSEL TO MAKE IT UP TO THE NORTH COAST...

LARGE TUGS FOR EMERGENCY RESPONSE -(STEERAGE, PULL BOAT OFF  
BEACH)

CCG NEEDED AS FIRST RESPONDER -HELICOPTER, PLANE OR BOAT  
RESPONSE...PERMANENT NAVEL PRESENCE REQUIRED

NEED FOR CLEAR STANDARDS FOR INFRASTRUCTURE TO SUPPORT  
CERTAIN TYPES OF STRUCTURES...EG ALLOWABLE RESPONSE TIME...ISSUE  
WITH RESPONSE TIME REGULATIONS BEING OUTDATED...48 HOURS TO  
RESPOND TO AN OILSPILL AS ACCEPTABLE, NOT ACCEPTABLE TO  
PNCIMA...

RESPONSE QUALITY IS INADEQUATE NOW, INCREASED CAPACITY WITH  
NEW VLC CARRIERS BUT RELEVANT USE/RESOURCE RELATIONSHIP MAY  
NOT IMPROVE...

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**TRENDS-DEFENSE**

**LACK OF TRAINED STAFF**

PACIFIC PILOTAGE AUTHORITY- DIFFICULTY IN RECRUITING NEW STAFF  
WITH ENOUGH SEA HOURS TO BECOME SKIPPERS OR ENGINEERS...

**LACK OF INFRASTRUCTURE**

SAFETY IS A PRIORITY- MAKE SURE INFRASTRUCTURE IS BUILT NOT  
PULLED DOWN...

**SECURITY CONCERNS**

NUMEROUS PIPELINE PROPOSALS ON COAST, PRIMARILY KITIMAT  
ENCANA PIPELINE BOMBERS, WOULD THIS BE A CONCERN HERE?

## **INTERACTIONS-DEFENSE**

LARGE TUGS FOR EMERGENCY RESPONSE

TRAINING OF COMMERCIAL FLEET AS FIRST RESPONDERS

## **CONCERNS EXPRESSED**

**NEED FOR INDEPENDENT REVIEW-KITIMAT- CLEAR MISTAKE AS A PORT-TAKE A TANKER UP ONE OF THE WORST CHANNELS ON BC COAST...CAN'T RUN ON A SCHEDULE, DEPENDS ON DAILY CONDITIONS, NEED INDEPENDENT BODY TO OVERSEE THIS PROCESS AND USE OF THIS PORT...**



## **8F SUBSISTENCE**

**DEFINITION:** MARINE RESOURCES HARVESTED FOR “FOOD, SOCIAL AND CEREMONIAL PURPOSES” AS DETAILED BY FIRST NATIONS LIASON

### **COMMENTS ON DEFINITION**

SUBSISTENCE IS WRONG WORD – IMPLIES “EKING OUT”...CHANGE ‘SUBSISTENCE’ TO ‘FOOD’ FISHERY

MARINE RESOURCES HARVESTED FOR FSC BY FNS...NEED TO BROADEN DEFINITION TO INCLUDE NON FN WHO ACCESS FISH FOR FOOD

ARCTIC USES TERM ‘MIXED ECONOMY’ TO INDICATE DIFFERENT SOURCES OF INCOME – FOOD (AS INCOME IN KIND)...FOOD FISHERIES ARE NOT JUST CULTURAL – ARE A PART OF ECONOMY, AND THE REPORT NEEDS TO RECOGNISE THIS

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### **OBSERVATIONS**

SOME FOLKS THAT USED TO ACCESS FOOD THROUGH CF NOW DO SO THROUGH RF

ALASKA HAS ESTABLISHED POLICIES TO ALLOW FOR USE OF SUBSISTENCE RESOURCES – EG, SUBSISTENCE ALLOCATIONS TO RESIDENTS W/IN TIMEFRAMES...RATHER THAN TRYING TO ID WHICH GROUP HAS WHICH ACCESS FOR FOOD FISH, ALASKA HAS 1 POLICY THAT CROSSES ALL GROUPS

WHERE ARE ABORIGINAL TITLE FISHERIES? ALREADY HAVE 1 W/IN PNCIMA

THESE ARE ABOUT MORE THAN SUBSISTENCE, NOT STRICTLY COMMERCIAL, ETC

NEED TO CONSIDER HOW TO ACCOUNT FOR THOSE IN PLANNING

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### **ISSUES**

COULD WE HAVE A POLLUTER PAYS PRINCIPLE THAT WOULD FUNNEL MONEY INTO REHAB OR ENHANCEMENT

**IMPACTS OF RESTRICTED ACCESS TO FOOD FISHERY**

NON-LOCAL ACCESS TO FISHERIES IS TAKING FISH AWAY FROM LOCALS...DON'T HAVE GOOD INDICATORS FOR THIS...LACKING BASELINE INFORMATION

NEED TO ACKNOWLEDGE THE ECONOMIC IMPACT OF FOOD FISHERIES IN TERMS OF REPLACEMENT VALUE – TYPE OF INCOME

NO ONE HAS ENOUGH ACCESS TO FISH FOR FOOD, FOR DIFFERENT GROUPS THIS IS DUE TO DIFFERENT REASONS – SOME CASES IT IS REGULATIONS, OR ACCESS TO BOATS/FUEL THAT WOULD ALLOW FISHING

FOR REMOTE VILLAGES THAT HAVE TO SHIP FOOD IN, THE DECLINE IN ACCESS TO WILD FOOD MEANS LARGE ASSOCIATED INCREASES IN COST ...DON'T HAVE GOOD WAY TO MEASURE/ INDICATORS FOR FSC AND FOR NON FN FOOD FISHERY...COULD BE SOMETHING ABOUT ACCESS TO SMALL BOATS/FUEL THAT ENABLE FOOD FISHING EG – HOW MANY SKIFFS WITH OUTBOARDS

PREVALENCE OF HIRING COMMERCIAL OPERATORS TO ACCESS FOOD FISH WHERE REC LICENSES ARE PURCHASED/BY WHO TO ASSESS WHO AND WHERE FOOD FISHING IS HAPPENING

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### **TRENDS**

NO MORE ABILITY TO TAKE FISH HOME FOR FOOD FROM COMMERCIAL FISH BOAT – THIS IS THE RESULT OF POLICY AND REGULATORY CHANGES – IS NOT “ORGANIC”, DIDN'T NATURALLY HAPPEN

TRENDS IN ABUNDANCE IS GENERALLY DOWN FOR SALMON, CLAMS, OTHERS

SOME ABUSE OF FSC FISHERIES WITH SALE OF FISH

LOW STOCK LEVELS IS BRINGING BEARS INTO SOME VILLAGES, CLOSER TO TOWNS, THIS AFFECTS ABILITY TO DO OTHER SUBSISTENCE ACTIVITIES LIKE BERRY PICKING BECAUSE OF THE RISKS ASSOCIATED

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### **INTERACTIONS**

IF PROVIDE MORE ACCESS FOR SUBSISTENCE, THAT WILL MEAN A CUT IN ACCESS TO OTHER KINDS OF FISHERIES – COMMERCIAL FISHERIES, REC FISHERIES OR FSC OR OTHERWISE

GROWING SPORT FISHERY IS CHANGING COMMERCIAL AND FOOD FISHERIES, LIMITING ACCESS TO FISH FROM LOCAL COMMUNITIES (FN OR NON)

OTHER RESOURCE INDUSTRIES LIKE FORESTRY ARE CREATING HABITAT CHANGES THAT IMPACT SALMON.

SALMON FARMING ALSO HAS IMPACTS

DEVELOPMENT AND TRANSPORTATION OF OIL HAS POTENTIAL IMPACTS ON FISH STOCKS TOO

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### **SUGGESTED RESOURCES**

SOME INFO ON SUBSISTENCE SUBMITTED TO CIT

NC LRMP HAD A REPORT ON THE INFORMAL ECONOMY WHICH MAY HAVE INFO ON FOOD FISHERIES

CROWN VS COMMERCIAL FISHERMEN 1997 CASE - COULD USE CF TO ACCESS FISH FOR FSC

- FNS CAN USE NON FN BOATS TO ACCESS FSC FISH
- ALSO SAID FISH COULD BE GIVEN TO ANYONE
- JUDGE JUDITH KRANTZ DELIVERED RULING

FN COMMUNITIES HAVE RECORDS OF FOOD FISH CATCH

NORTHERN HEALTH AUTHORITY (8-10 YRS AGO) FOUND HEALTH INDICES IN NORTHERN COMMUNITIES HAD HIGHER HEALTH INDICATORS THAN EXPECTED GIVEN SOCIO EC STATUS – THINK IT WAS DUE TO ACCESS TO WILD FOOD – THIS IS AN INDICATOR OF SOCIO-ECONOMIC BENEFITS

FOREST SCIENCE PROGRAM LOOKS AT HOW TO GET INDICATORS

KAREN FEDUIK DID SOME WORK TO DEVELOP COMMUNITY HARVEST NEEDS STUDIES FOR ATTS...ALSO DID FOOD SURVEYS AND WELL BEING -C BUTLER AS CONTACT

RECENT MASTERS DEGREE ON FOOD SECURITY, CONTAINS INDICATORS TO LINK TRADITIONAL FOOD SOURCES – C MENZIES CAN PROVIDE THIS

ARCTIC MAY HAVE STUDIES OF COST OF BRINGING FOOD IN VS HARVEST FROM LAND

## **8G) MARINE TOURISM AND RECREATION**

### **DEFINITION**

**MARINE RECREATION:** RESIDENT AND NON-RESIDENT RECREATION WITH A FOCUS ON NATURE-BASED ACTIVITIES. THE KEY ACTIVITIES DESCRIBED ARE CRUISE SHIPS, BOATING, KAYAKING, DIVING AND WHALE WATCHING/WILDLIFE VIEWING.

MAIN INDICATORS FOCUS ON AGGREGATE TOURISM, I.E. VISITORS, EXPENDITURES, ROOM REVENUES, SEASONALITY, EMPLOYMENT, EMPLOYMENT INCOME, GOVT REVENUES.

OTHER THAN CRUISE, NO RELIABLE USER DAYS FOR INDIVIDUAL ACTIVITIES SO NO WAY TO PROFILE INDICATORS SEPARATELY OTHER THAN AS A "TYPICAL BC EXPERIENCE". ESTIMATE OF "OCEAN TOURISM" EXPENDITURES AS A PERCENTAGE OF AGGREGATE TOURISM

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### **IMPORTANT OBSERVATIONS**

ECOTOURISM IS A GROWTH SECTOR FROM BC FERRIES...MOST TOURISTS FROM NORTHERN EUROPE

NEED TO HAVE CONSISTENT MATRIX FOR VALUATION.

CONCERNS FOR LOCAL EMPLOYMENT VERSUS OUT OF AREA ECONOMICS

LOOK UP LOCAL BUSINESS FOR LOCAL NUMBERS OF USERS

WERE CENTRAL COAST SPORT FISHERMEN INVITED TO THIS SESSION?  
INFORMATION RECEIVED AT THIS SESSION WOULD BE DIFFERENT IF THEY HAD BEEN IN ATTENDANCE

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### **ISSUES**

RECREATIONAL TOURISM INDUSTRY IS A DATA GAP

LAND USE DATA HAS A LOT OF INFORMATION ON USES. EG. HAIDA GWAII PNCIMA WIDE THERE IS A DESIRE TO DEVELOP ECOTOURISM BUT DONE CONSISTENTLY WITH REGIONAL VALUES

TRANSPORTATION IS CRITICAL FOR THIS INDUSTRY

SMALL SCALE OPERATIONS ARE HARDER TO GET INFORMATION AND NUMBERS FROM.

INCREASE IN REC. HAS IMPACTED FSC IN RIVERS INLET

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### **TRENDS**

INCREASE IN RECREATIONAL TRAFFIC IN THE LAST 15 YEARS...DROP LAST YEAR IN THIS INDUSTRY

NUMBER OF KAYAKERS ON THIS COAST HAS INCREASED OVERWHELMINGLY...WHERE IS THE INFRASTRUCTURE TO MANGE THIS NUMBER? WHAT IS THE IMPACTS OF THIS INCREASED NUMBER ON THE ENVIRONMENT?...NEGATIVE IMPACTS COULD BE HIGHER THAN THE BENEFITS

MAJOR FOCUS ON FIRST NATION ECONOMIC DEVELOPMENT PLANS/OWNERSHIP...MAJOR ROLE IN THIS SECTOR

MOVE TO TOURISM AS THE DECLINE IN OTHER ACTIVITIES...THE TREND DEPENDS ON THE ECONOMY

INCREASE IN REC. HAS IMPACTED FSC IN RIVERS INLET

DESIRE TO LIMIT IMPACTS ON THE ENVIRONMENT FROM ECOTOURISM

THE GIGANTIC WIND TOWERS WILL HAVE A NEGATIVE IMPACT ON ECOTOURISM...CONFLICTING VALUES ON AESTHETICS...

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### **SUGGESTED RESOURCES**

LOCAL MARINAS SHOULD HAVE INFORMATION ON NUMBERS OF REC. USERS

## **8H) AQUACULTURE**

### ***INTRODUCTION TO BREAKOUT SESSION***

**DEFINITION-** THE PRODUCTION OF FARMED FISH, SHELLFISH OR MARINE PLANTS IN AN AQUATIC ENVIRONMENT OR HUMAN-MADE CONTAINER OF WATER FOR COMMERCIAL PURPOSES. INCLUDES THE CULTIVATION OF SHELLFISH ON, IN OR UNDER THE FORESHORE OR IN WATER.

**PURPOSE OF EXERCISE-** WHERE IS AQUACULTURE LOCATED IN THE REGION, WHERE HAS IT BEEN LOCATED HISTORICALLY ETC

**RANDY-** ISSUES-COMPENSATION FOR SITES FOR OTHER RESOURCE USERS, POTENTIAL LOSS OF ACCESS TO SITE, POTENTIAL SOCIAL EFFECTS, NOISE, MODIFIED/IMPAIRED VIEWS, MARINE TOURISM OPPORTUNITIES, INTERACTIONS WITH BOATERS, WATER QUALITY, FISH HABITAT AND HEALTH, CUMMULATIVE EFFECTS, WATER QUAL MONITORING FOR SHELLFISH MONITORING, AQUACULTURE INVASIVE SPECIES, CLIMATE CHANGE EFFECTS ON PRODUCTIVITY/AQUA, ESCAPEMENT, IOM PLANNING PROCESS...

**NEIL-** PURPOSE OF THIS SESSION...TO VALIDATE WHAT IS IN LITERATURE

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### **ISSUES**

#### **SHELLFISH AQUACULTURE**

**ROBERTA STEVENSON-** NEED FOR ECONOMIC GROWTH, WITHOUT HUGE BLOCK OF WATER SET ASIDE FOR SHELLFISH AQUACULTURE...WHICH HAS NEVER BEEN IDENTIFIED...SMALL SCALE SHELLFISH AQUACULTURE WILL NOT BE SUCCESSFUL ON SMALL SCALE..."RIGHT TO FARM" WILL ONLY BE POSSIBLE IF CLASSIFIED ON LARGE SCALE...

**HAIDA GWAI-** FEAR OF COMPETITION FOR FOOD SOURCE-MASSIVE INFLUX OF SHELLFISH-HOW WILL THIS IMPACT HAIDA COLLECTION AREAS AND EXISTING HAIDA CLAM BEDS

**BC SHELLFISH INDUSTRY...**DIFFERENT TEMP, DIFFERENT OCEANOGRAPHIC CLIMATE...NEVER BEEN COMMERCIAL GROW-OUT OF COCKLES...MANILLA CLAMS WILL NOT SURVIVE UP HERE...SHELLFISH INDUSTRY UP HERE WILL NOT BE SUCCESSFULL...

**WATER QUALITY ISSUES-** SHELLFISH AQUACULTURE AND OTHER WATER TENURE ACTIVITIES ARE MUTUALLY EXCLUSIVE...WATER QUALITY ISSUE-NUMBER OF SCARES IN FISHING INDUSTRY, LATELY DOMOIC ACID IN CRABS-WHAT IS BEING DONE...CLAMS IN HAIDA GWAI...IS THERE ANY

MONITORING BEING DONE IN REGARDS TO WATER QUALITY ON NORTH COAST...MONITORING PLAN IS NECESSARY AS A BASELINE FOR CLIMATE CHANGE...

**ENVIRONMENTAL ISSUES-SALMON AQUACULTURE:**

- **ESCAPEMENT:** ESCAPES OF INVASIVE SPECIES AND NATIVE SPP...CHINOOK ESCAPE JUST AS SERIOUS IF NOT MORE SERIOUS THAN ATLANTIC SALMON...GENE POOL DEPLETION FROM ESCAPE...AGGRESION OF ESCAPED SALMON
- **INTRO OF SEA LICE** TO WILD JUV SALMON
- **INTRO OF DISEASE** FROM SALMON FARMS TO WILD SALMON
- **WASTE ON OCEAN FLOOR**, IMPACTS ON CLAM BEDS
- **CHEMICAL USED ON SEA LICE**, IMPACTS ON PRAWN POPULATIONS AS SEEN IN NEW BRUNSWICK...
- **NET LOSS-** INPUTS TO OUTPUTS- FOOD IN, FOOD OUT...
- **ANTIBIOTICS** AS ANOTHER ISSUE.
- **CURRENT UNCERTAINTY ON REGULATION OF SALMON AQUACULTURE** -ENVIRONMENTAL IMPACTS, PLANNING IMPACTS- REGULATORY REGIME (DFO VS BC PROV) CURRENT SITE VS FUTURE SITES, STATUS OF INVESTMENTS UNKNOWN...

*PUBLIC DOES NOT WANT OPEN NET FISH FARMS, DOES NOT WANT TO RISK WILD SALMON WITH FISH FARMS...PRINCE RUPERT ENVIRONMENTAL SOCIETY CONDUCTED A SURVEY- 71% PEOPLE IN OUTER COMMUNITIES OF PRINCE RUPERT (MARGIN OF 5% ERROR 19/20 TIMES OUT OF 20) SAID NO TO SALMON FARMS...*

**SUGGESTION: OCEAN RANCHING-** EXISTS IN ALASKA AND JAPAN- POLICY NOT TO ALLOW OCEAN RANCHING IN BC...OCEAN RANCHING HAS NOT BEEN EXPLORED BUT MAY BE IN THE FUTURE AND MAY ACTUALLY ADDRESS THE ISSUES OF AQUACULTURE...

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**TRENDS**

**CAPACITY, PROCESSING CONSIDERATIONS**

...CRITICAL MINIMUM CAPACITY LEVELS TO BECOME A SELF-SUSTAINING INDUSTRY -IMPORTANT TREND... SHELLFISH DEVELOPMENT LIMITATIONS...TENURE, SOURCE OF SEED, HATCHERY CAPACITY...AQUACULTURAL LAND RESERVE-ALR NECESSARY FOR SUCCESS...KEY TO SHELLFISH DEVELOPMENT...

...IF THERE WAS PRODUCTION WE WOULD HAVE THE CAPACITY, SEVERAL PLANTS HERE CAPABLE BUT THERE IS NO PRODUCTION SO THERE IS NO

NEED...NEW PORT FACILITY- DOES NOT HAVE FREEZING CAPACITY OR PLUG-IN CAPACITY...NEEDED TO SHIP LIVE TO CHINA...

TRENDS- TREND TOWARDS CERTIFICATION PROCESSES...BIOSECURITIES, SUSTAINABILITY, BEST PRACTICES...

JAMES CASEY WWF-*OPPORTUNITY TO MOVE AHEAD THROUGH THIS PROCESS IF WE CAN SORT OUT SOME OF THE CONFLICTS THAT HAVE BEEN AN OBSTACLE IN THE PAST TEN YEARS...*

### **OWNERSHIP**

MOVEMENT AND OWNERSHIP OF AQUACULTURE- OUT OF COUNTRY OWNERSHIP...NUMBER OF OWNERS...4 OR 5 OWNERS...CLARIFICATION: 80 SMALL COMPANIES TO 3 VERY LARGE AND 1 MODERATE SIZE...EMPLOYMENT TREND-PROCESSING IS LOCAL, EMPLOYMENT ON FARMS IS DECLINING DUE TO MECHANIZATION OF OPERATIONS...STUDIES ON NORWAY ON OPEN NETCAGE SALMON...

### **EMPLOYMENT**

550 EMPLOYED ON FINFISH FARMS...SHELLFISH NITROGEN UPTAKE, CARBON UPTAKE/CARBON CREDITS...DFO AS LEAD AGENCY GOOD THING FOR SHELLFISH FARMING...SHELLFISH EMPLOYS 1000...

### **INTERNATIONAL INTEREST**

CHINESE MARKET- INTEREST IN SHELLFISH AQUACULTURE IN THIS AREA...POTENTIAL FUTURE OPPORTUNITIES...

### **NEW DEVELOPMENT**

SEAWEED GROWING...EXPERIMENTAL IN THE REGION...INVISIBLE INDUSTRY...

FUTURE MULIT-TROPHIC AQUACULTURE FARMING...

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## **INTERACTIONS**

GROUP COMMENT-SHELLFISH AQUACULTURE VS FINFISH- KEEP ISSUES SEPARATE

**INTEGRATION WITH OTHER USES-** POTENTIAL LOSS OF SITES, PUBLIC DOES NOT WANT SALMON FARMING, LOCATION TO EXPORT FACILITY...

**ABORIGINAL TREATY OVERLAP PROBLEMS...**TENURE APPLICATION PROCESS IS VIEWED NEGATIVELY...BALANCE THIS WITH ECONOMIC OPPORTUNITIES...



KITASOO PROCESSING PLANT LOCATION AS CAPACITY...FN  
OPPORTUNITIES RESERVED BY BC LANDS AGENCIES THAT HAVE BEEN  
RESERVED IF THEY WOULD LIKE TO BE INVOLVED...

SEAFOOD PROCESSING SECTOR-LINKAGE TO THIS SECTOR HERE...

INTERACTIONS- AQUACULTURE INDUSTRY...LOOK AT THIS INDUSTRY IN  
COMPARISON TO OTHER INDUSTRIES...SALMON VS  
AQUACULTURE...CAPACITY OF EACH...FOCUS OF RESOURCES IN WHICH  
INDUSTRY...WHICH INFRASTRUCTURE ALREADY EXISTS...

SHELLFISH OCEAN RANCHING...CRAB RANCHING...RAISED TO SETTLE-OUT  
STAGE...INTERACTIONS WITH OTHER SPECIES AND OTHER FOOD  
SOURCES...CAN'T RECALL IF THERE WERE OBSTACLES TO IMPEDE THIS...

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**SUGGESTED RESOURCES**

SALMON AQUACULTURE DIALOGUE REPORT

CFN/TURNING POINT INITIATIVE/ECOTRUST- HARTLEY BAY WAS  
INVOLVED...RESOURCES AVAILABLE

RANSOM MYERS ON FISH FARMS...WILD SALMON DECLINED WHERE  
THERE ARE FISH FARMS...KRKOSEK STUDY DECLINES IN SALMON STOCKS  
WHERE THERE ARE SALMON FARMS...

UNIVERSITY OF ALASKA RESOURCES

PACIFIC SALMON FORUM REPORT ON AQUACULTURE

REGIONAL DISTRICT OF MOUNT WADDINGTON OPPORTUNITIES PAPER

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**COMMENTS DIRECTED TOWARDS FEDERAL GOVERNMENT**

FED GOV- WHO IS THE PRIORITY ON THE COAST- MINISTER WOULD NOT  
COME TO PRINCE RUPERT...

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## **8D) ENERGY BREAK-OUT SESSION**

**DEFINITION:** INCLUDES THE ACTUAL AND POTENTIAL FOR GENERATING COMMERCIAL VOLUMES OF ENERGY FROM RENEWABLE AND NON-RENEWABLE SOURCES WITHIN PNCIMA'S MARINE ENVIRONMENT. RENEWABLE INCLUDES WIND, WAVE, TIDAL, SOLAR ENERGY. NON-RENEWABLE IS OIL AND GAS. MINING INCLUDES POTENTIAL FOR SEAFLOOR MINING AND TAILING DISCHARGES TO MARINE ENVIRONMENT FROM ON-SHORE MINES. ENERGY RESOURCES WILL BE REPORTED IN ESTIMATED OF ACTUAL OR POTENTIAL VOLUMES, KEY POLICY/REGULATORY MATTERS, AND SOCIO-ECONOMIC IMPACTS WHERE AVAILABLE.

### **INDICATORS:**

- ENERGY RESOURCES REPORTED IN ACTUAL OR POTENTIAL VOLUMES (KW HOURS)
- KEY POLICY AND REGULATORY MATTERS THAT INFLUENCE DEVELOPMENT
- FUTURE SOCIO-ECONOMIC IMPACTS – ESTIMATES PREPARED BY PROPONENTS

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### **IMPORTANT OBSERVATIONS**

- CANADA'S INTERNATIONAL COMMITMENT TO GREEN ENERGY BY 2050 – INTEREST AND COMMITMENT TO MEETING THEM FROM RENEWABLE ENERGY SOURCES ON THE PACIFIC. THERE'S A FEDERAL SET OF GOALS AND ALSO THE 2007 ENERGY PLAN (BC) – CALLS FOR 90% CLEAN POWER.
  - ALSO NOTE INFORMATION FROM EAST COAST – WHERE THERE IS ACTUAL DEVELOPMENT – REAL DATA FROM CANADA BASED ON DEVELOPMENT NOT PROJECTED DEVELOPMENT
  - NORMAN DALE – UNBC NORTHERN LAND USE INSTITUTE – COMMUNITY INVOLVEMENT IN OOG DEVELOPMENT INCLUDING SOCIO-ECONOMIC STUDIES. NORTH COAST INFORMATION AND RESEARCH PROGRAM (NSIRP) – AVAILABLE ONLINE.
  - CONCERN ABOUT ELECTROMAGNETIC FIELDS FROM WIND FARMS AND WHETHER THEY AFFECT MARINE LIFE
  - DOES YOUR DEFINITION EXCLUDE OFF-GRID PRODUCTION OF ENERGY (IE. HOMEOWNER; OFF-GRID TIDAL PROVIDING OFF-GRID ENERGY TO COASTAL COMMUNITIES) – PLEASE ADD TO DEFINITION
  - ON ISLAND CALL FOR GREEN ENERGY (HAIDA WORKING WITH NAIKUN) LOOKING FOR GREEN ENERGY TO POWER HAIDA GWAIL.
  - HAIDA DOESN'T SUPPORT MINING BECAUSE OF ENVIRONMENTAL IMPACTS
  - HAIDA DOESN'T SUPPORT OOG DRILLING IN THEIR TERRITORY
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## ISSUES

### **ENERGY**

- COMPETITION FOR HIGH POTENTIAL SITES FROM OTHER MARINE AND COASTAL USER GROUPS – AND POTENTIAL MPAS. PARTICULARLY WRT TIDAL ENERGY PROJECTS (LESS FLEXIBLE THAN)
- POTENTIAL INTERFERENCE W TRANSPORTATION ROUTES AND NAVIGATION
- VISUAL/AESTHETIC IMPACTS
- FIRST NATIONS
- CONFLICTS WITH FISHING ACTIVITY, LOSS OF FISH HABITAT, IMPACTS ON MIGRATORY BIRDS
- ENVIRONMENTAL AND SPECIES IMPACTS FROM SEISMIC SURVEYS
- SAFETY/SECURITY OF OIL AND GAS INSTALLATIONS – STORMS
- IMPACTS ON COASTAL COMMUNITIES
- INCREASED TANKER TRAFFIC
- MPAS IMPACTS ON RESOURCE EXPLORATION
- IMPACTS OF OIL SPILLS
- EMPLOYMENT IMPACTS (MODERN TECHNOLOGY DECREASES THESE EMPLOYMENT IMPACTS)
- LOCAL TRAINING
- LOCAL PROVISIONING
- LOCAL HIRE PROVISIONS (FED/PROV GOVERNMENT SAID THE ONLY HIRING PROVISION COULD BE PREFERENCE TO CANADIAN CITIZENS)
- ABSENCE OF POLICY ON NEW RENEWABLE TECHNOLOGY
- TAX AND TENURE REGIME FOR OFFSHORE WIND HAS NOT BEEN ESTABLISHED
- EQUITY PRINCIPLE – SUSTAINABLE DEVELOPMENT PRINCIPLE – IF THERE’S GOING TO BE A NEW INDUSTRY DISPLACING EXISTING INDUSTRIES, THERE NEEDS TO BE A WAY TO FIGURE OUT HOW TO DEAL WITH THAT DISPLACEMENT (NOT BUYOUTS OR COMPENSATION – MORE CREATIVE WAYS LIKE FUNDS THAT DEAL WITH MANAGEMENT AND RESEARCH)
- FISHING INDUSTRY – NOT DEALING WITH ECOSYSTEM BASED MANAGEMENT IF YOU DON’T DEAL WITH THE EQUITY PRINCIPLE.

### **MINING**

- TAILINGS
- SUBMARINE MINING
- NORTHERN WATERSHED AREAS IN THE PNCIMA AREA – MINING DISCUSSION WILL BE MORE PROMINENT
- NORTHERN PNCIMA BORDER (WATERSHED) IS RIGHT ON THE EDGE OF THE SACRED HEADWATERS – COAL BED METHANE ACTIVITY – POTENTIAL IMPACTS TO WATERSHEDS COULD BE LARGE AND

- WOULD DIRECTLY AFFECT COASTAL COMMUNITIES (SUBSISTENCE, FISHING, ETC.)
- CLEANUP OF MINE SITES (EC – CLEANING UP A NUMBER OF MINE SITES IN CANADA)
  - MONITORING TAILINGS PONDS
  - SAND AND GRAVEL OPERATIONS STARTING UP – THAT’S THE MAJORITY OF OPERATIONS AT PRESENT.
  - CLOSURE OF MINE OR MINING ACTIVITY – MINING REGULATIONS ATTEMPTING TO ADDRESS CLEANUP ISSUES THROUGH CLOSURE COVENANTS – IN MARINE ENVIRONMENTS THESE CLOSURE COVENANTS MAY NOT BE APPROPRIATE AS CLEANUP IS UNIQUE. HAS NOT BEEN DEALT WITH BEFORE – AREA OF WEAKNESS IN CURRENT REGIME.
  - NEW MINERALS – ESP HYDRATES, FROZEN METHANE IN DEEPER WATER. ATTENTION ON EXTRACTING THESE NEW MINERALS. ANTICIPATE THIS KIND OF EXPLORATION AND CONSIDER IMPACTS AND BENEFITS.
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### **TRENDS**

- FIRST NATIONS GOVERNMENTS CAN ENFORCE/IMPLEMENT LOCAL HIRING PROVISIONS WHERE FEDS AND PROVINCE CANNOT
  - EMERGING TECHNOLOGY (BURYING CABLES, TIDAL POWER)
  - GRID CAPACITY A DRIVER – WHAT ARE FUTURE TRENDS AROUND THIS? IS A DRIVER FOR INCREASED CAPACITY TO BRING MORE ENERGY TO OTHER NORTHERN INDUSTRIES LIKE MINING, WIND, TIDAL. RESEARCH TRACKING DYNAMICS? BCTC HAS DONE A RECENT STUDY SAYING THERE IS A PROBLEM WITH GRID CAPACITY IN THE PROVINCE. (PRODUCED IN THE NORTH, SUCKED TO THE SOUTH)
  - RE. EQUITY PRINCIPLE - TREND IS TO SUPERREGIONAL TRUST CORPORATIONS. HOPE ROYALTY TRUST CORPORATIONS WILL EVOLVE LOCALLY.
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### **INTERACTIONS BETWEEN USERS**

- LIVING RESOURCES OF OCEAN VS. RISKS OF OIL EXPLORATION – SOCIOECONOMIC BENEFITS OF
- TAXATION OF OCEAN USERS VS. LAND USERS
- PNCIMA ABOUT FINDING A WAY TO INTERCONNECT INDUSTRIES – IE. AREA A CRAB AND WIND FARMS
- FIRST NATIONS AND OFFSHORE OIL AND GAS DRILLING – CULTURE AND RESOURCES AT RISK.

PNCIMA AS A PLACE FOR DEALING WITH INTER-INDUSTRY CONFLICTS AND POTENTIAL ADVERSE EFFECTS.  
IF PNCIMA THE FORUM FOR RESOLVING INTER-USER CONFLICTS, PROCESS NEEDS RESOURCES TO MAKE THAT EFFECTIVE.

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### **SUGGESTED RESOURCES**

DOCUMENT – SEPTEMBER 2009 REPORT FROM UBCM WG ON OOG TO THE MINISTER OF ENERGY MINES & PETROLEUM RESOURCES. DONE BY COMMUNITIES AROUND THE PNCIMA REGIONS, SO VERY COMMUNITY SPECIFIC. NEED TO APPROACH MINISTRY. BOTTOM LINE COMING OUT OF REPORT – DON'T PROCEED UNLESS IT'S ENVIRONMENTALLY SOUND. UBCM WOULD LIKE TO RELEASE TO PUBLIC.

1984 – WORK DONE BY PROVINCIAL, FEDERAL GOVERNMENTS, SHELL AND PETRO CANADA ON OFFSHORE OIL DRILLING – LONG DOCUMENT PUBLISHED ON EFFECTS OF OIL SPILLS ON SEA LIFE. REPORT WAS UPDATED AROUND THE TIME OF THE ROYAL SOCIETY REPORT ON OOG IN 1998. DFO RAN A PSARC DOCUMENT BUT WAS TAKEN OFF THE WEBSITE.

PETRO CANADA AND CHEVRON – ESTIMATED EMPLOYMENT IMPACTS ON COMMUNITY – AROUND 1984 – FOR OOG EXPLORATION (NOT PRODUCTION)

PANEL OF 3-5 PEOPLE (INCL MILES RICHARDSON) 100 RECOMMENDATIONS IN ORDER TO ACCEPT OOG EXPLORATION. GOVERNMENT RESPONSES TO THESE RECOMMENDATIONS (FEDERAL AND PROVINCIAL)

PRIDDLE INQUIRY

JOY THORKELSON HAS THIS INFORMATION – YOU CAN SIGN IT OUT FROM HER

NAIKUN EA HAS LOTS OF DATA

BC HYDRO HAS DONE A RESOURCE ASSESSMENT AROUND A NUMBER OF TECHNOLOGIES FOR GENERATING ELECTRICITY – AND HAVE RECENTLY FILED THEIR LONG-TERM ACQUISITION PLAN FOR OBTAINING ELECTRICITY. FOR THE BC UTILITIES COMMISSION.

## **9) WRAP-UP OF DAY 1**

### **AQUACULTURE**

DOMINATED BY SHELLFISH AQUACULTURE DISCUSSIONS AND FUTURE OPPORTUNITIES IN REGION, EXPORT MARKET, JOB OPPORTUNITIES- PROCESSING AND PRODUCTION, EXISTING MODELS THAT EXIST... WHAT WOULD WORK FOR THIS REGION...SHELLFISH MORE SUPPORTED THAN FINFISH AQUACULTURE...MANY ISSUES WITH FINFISH AQUACULTURE...

### **SAFETY**

MARINER SKILLS ARE ESSENTIAL TO A MARINE BASED INDUSTRY, NO CAPACITY IN REGION TO MEET NEEDS AND FUTURE NEEDS...CARGO AND PASSENGER TRAFFIC WITH NO CAPACITY FOR LANE MANAGEMENT (RADAR ETC)...ND- NO INSTALLATION HERE, NO JOBS, SECURITY ISSUES IN RELATION TO US NEARBY...

GARY- COMMENT ON SAFETY DISCUSSION, UNEXPECTED TAKE AND INPUT...WE ARE PREPARING A BASELINE TO BE USED IN A PLANNING PROCESS FOR PNCIMA...A LOT OF SUPPORT AND ENTHUSIASM FOR THIS PROCESS...

### **RECREATIONAL FISHERY**

BIG HOLES IN INFORMATION...EMOTIONAL DISCUSSION...LACK OF DATA AROUND CATCH...INFORMATION GAPS AROUND CATCH AND RELEASE...EMPLOYMENT-GENERATED BY LODGES-SUSTAINED EMPLOYMENT OVER YEARS, LOCAL VS NON, TEMP VS LONG-TERM...COMM VE REC FISHERY COMPETITION...QUOTAS AND CAPS...

### **SEAFOOD PROCESSING**

OWNERSHIP NATL, MULTINATL, NOT LOCAL- DECISIONS AND VALUES NOT LOCAL...EXTRACTION OF RESOURCES IN PNCIMA, PROCESSING ELSEWHERE...TREND FOR DECREASING NUMBER OF DAYS OF EMPLOYMENT AND QUALIFICATION FOR EI...GOV REG EC AND DFO...ASIAN MARKET WILL HAVE INFLUENCE, ALASKA INFLUENCE VARIES FROM YEAR TO YEAR...

### **SUBSISTENCE FISHING**

TERM NOT ADEQUATE, DEFINITION NEEDS WORK...FOOD FISHERY NOT ABORIGINAL FOOD FISHERY...SIGNIFICANT PORTION OF ECONOMY BUT NOT TRACKED...REPLACEMENT VALUE OF NOT HAVING ACCESS TO THIS FOOD HIGH...IMPORTANT TO HEALTH INDICATORS...ACCESS TO RESOURCE IS DECLINING...FARTHER AWAY FROM COMMUNITIES/FUEL COSTS...

### **MARINE BASED TOURISM**

LOW ENTHUSIASM...PERCEIVED LACK OF LOCAL BENEFIT...RECREATION USE INCREASING NO DATA QUANTIFICATION...NO INDICATORS TO MITIGATE ANY NEGATIVE EFFECTS OF POTENTIAL BENEFITS OF TOURISM.

### **RESEARCH**

EXPANDED DEFINITION...ENFORCEMENT-CREATED DEFN -COMPLIANCE AND MONITORING ASSOCIATED WITH ACTIONS IN PLACE IN THE PNCIMA REGION...LACK OF FUNDING AROUND ENFORCEMENT, ENGAGING EXISTING FLEETS...ENV IMPACTS OF RESEARCH ITSELF AS A CONCERN...ENFORCEMENT-ACTION AND MONITORING, LACK OF AS AN ISSUE...RESEARCH-SOCIOECONOMIC INFORMATION...CAPACITY FOR RESEARCH AS CONCERN...ENFORCEMENT TRENDS-LACK OF COMMUNICATION AMONG ENFORCEMENT BODIES, COMMUNICATION AMONG JURISDICTIONS, COMPLIANCE WITH ENFORCEMENT EFFORTS...UTILIZATION OF TECHNOLOGY FOR ENFORCEMENT...DOWNLOADING OF THIS INFORMATION AS A CONCERN... ENGO AND INDUSTRY FUNDED RESEARCH...ROLE OF GUARDIAN PROGRAMS...ROLE OF ENVIRONMENTAL ASSESSMENT PROCESS...

### **OCEAN DUMPING AND TENURES**

AQUACULTURE TENURE AS AN ISSUE, PROCESS, COST...TENURES ISSUED ON A SHORT-TERM BASIS...MISSING DATA...OVERLAP OF PROV AND FED JURISD AQUACULTURE AND WIND REGULATIONS...MULTI-NATIONAL GROUPS AND TENURE AND IMPACT ON COMMUNITY OF THESE OUTSIDE GROUPS-LOSS OF INCOME...TENURES NOT REALISTIC FOR FAMILY BUSINESS...TRENDS-DIFFICULTY WITH PROCESS AND WITH FORECASTING...TENURES HELD OUTSIDE OF TREATIES, POSITIVE TREND...FUTURE MARINE PLANNING...MINING AND ENERGY-TAXING AND TENURE REGIME HAS NOT BEEN ESTABLISHED...EBM WILL NEED TO DEAL WITH INDUSTRIES THAT HAD BEEN DISPLACED BECAUSE OF ANOTHER ACTIVITY...MINING-NO ENGAGEMENT IN UPPER WATERSHEDS...COAL-BED METHANE MINING ISSUES...COST FOR CLEAN UP OF MINING SITES AN ISSUE AS TAXPAYERS FIT THE BILL...EXISTING REPORTS AND DOCUMENTS NEED TO BE USED IN THE ANALYSIS...MINING AND ENERGY-LOCAL TRAINING AND STAFFING...PROVISIONS OF LOCAL HIRING...SUPER-REGIONAL TRUSTS...BC HYDRO-USE OF RESOURCES AND TECHNOLOGY...

**PNCIMA PROCESS QUESTIONS**- NEIL WILL ADDRESS SOME OF THESE QUESTIONS TOMORROW...