

Appendix 1. Extensive list of Example Indicators

Table A1.1: Institutional Arrangements Dimension – Example Indicators

Element	Example Indicators
Purpose: goals and objectives of the governance structure and processes	<ul style="list-style-type: none"> • [Quantification] evidence of goals and objectives of governance by [Fishing Category] • [Qualitative Methods] evidence of goals and objectives of governance by [Fishing Category]
Scope: participants, geographic and temporal scale and boundaries, issues involved	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of consideration of [Human Population] and [Human Geographic Region] in [Management Plan] • [Qualitative Methods] evidence of consideration of [Human Population] in [General Management Activity]
Rules: <i>De Jure</i> laws, regulations and policies as well as <i>de facto</i> rules that structure the governance process	<ul style="list-style-type: none"> • [Quantification] of [Anthropogenic Activity] covered by [Institutional Arrangement] and subject to [Law] and/or [Management Plan] • [Qualitative Methods] evidence of support for the [Institutional Arrangement] and/or [Law] and/or [Management Plan] amongst [Stakeholder Group] • [Qualitative Methods] evidence of consistency between the [Institutional Arrangement] and [Law] and [Human Population] norms and values • [Qualitative Methods] evidence of consistency in [Institutional Arrangement] between [Stakeholder Group]
Resources: human, technical and financial resources available to support governance	<ul style="list-style-type: none"> • Level and duration of [Support] for [General Management Activity] and/or [Fisheries Management Activity] amongst [Stakeholder Group] and/or [Human population] at [Human Geographic Region] • Types of [Conflict Resolution Approaches] available to deal with disputes

Table A1.2: Decision-making Process Dimension – Example Indicators

Element	Example Indicators
Collaborative: collaborative relationships within and between participants in decision-making	<ul style="list-style-type: none"> • Evidence from [Qualitative Methods] of [Stakeholder Group] and [Human Population] perception of collaboration by [Collaboration Type] • Degree to which [Collaboration Criteria] exist • [Quantification] of [Collaboration Criteria] • [Quantification] of [Stakeholder Group] participation in [General Management Activity] and/or [Fisheries Management Activity] • Evidence from [Qualitative Methods] of [Co-operation Criteria] • [Qualitative Methods] evidence of [Distribution of Authority] in agreements involving [Stakeholder Group] and/or [Human Population] in [Human Geographic Region]
Transparent: open and informed policies, procedures, decisions, and supporting documentation	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] and [Human Population] perception of transparency • Degree to which there is [Transparency Criteria] • [Quantification] of [Transparency Criteria] • [Qualitative Methods] evidence that selection of [Participant Type] on behalf of an [Organization], [Stakeholder Group], or [Human Population] is transparent. • [Quantification] of [Fishery Category] subject to assessment by [Assessment Method] • [Quantification] of [Data] readily accessible to the public • [Quantification] of [Fishery Related Website] by [Jurisdiction] and [Stakeholder Group] • Degree to which [Information Standards] exist • Degree to which [Trade-off Criteria] are identified and implemented
Inclusive: processes that support participation by all parties with a legitimate interest	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] and [Human Population] perception of inclusivity • Degree to which [Inclusivity Criteria] exist • [Quantification] of [Inclusivity Criteria] • [Qualitative Methods] evidence of [Stakeholder Group] participation in [General Management Activity] and/or [Fisheries Management Activity]
Predictable: predictable and consistent decision-making procedures that are not changed without adequate consultation or justification	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] and [Human Population] perception of [Predictability Criteria] • Documentation of [Access] • [Qualitative Methods] evidence of changes to [Access] • Existence of [Management Plan] • [Qualitative Methods] evidence of changes to [Management Plan]

Element	Example Indicators
Flexible: flexible and responsive processes that can be adapted to changing circumstances	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] and [Human Population] perception of flexibility • Degree to which there is [Flexibility Criteria]
Accountable: explicit mechanisms of responsibility for actions, decisions and outcomes	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] and [Human Population] perception of accountability • [Qualitative Methods] evidence of [Accountability Criteria] as part of [General Management Activity] and [Fisheries Management Activity] • [Qualitative Methods] evidence of [Accountability Criteria] in [Law] and [Institutional Arrangement] • [Qualitative Methods] evidence of use of [Accountability Mechanisms] • [Quantification] of use of [Accountability Mechanisms] • [Qualitative Methods] evidence of time to respond to questions, requests or issues raised by [Stakeholder Group] and/or [Human Population] • [Quantification] of time to respond to questions, requests or issues raised by [Stakeholder Group] and/or [Human Population] • Degree to which [Accredited Organization Criteria] were consulted in the development, establishment and enforcement of rules at the [Rule Level]

Table A1.3: Outcomes Dimension – Example Indicators

Element	Example Indicators
Effective: processes that produce the intended outcomes and can be seen to do so	<ul style="list-style-type: none"> • [Qualitative Methods] evidence that [Agreement Element] of [Management Plan] is/are achieved or adhered to • [Qualitative Methods] evidence by [Accountability Mechanism] of governance process outcomes
Legitimate: processes and outcomes that are generally seen as fair and reasonable regardless of self-interest	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of [Stakeholder Group] compliance with [Management Plan] by [Compliance Criteria] • Quantification of [Stakeholder Group] compliance with [Management Plan] by [Compliance Criteria]

Table A1.4: Population & Species Dimension – Example Indicators

Element	Example Indicators
<p>Production & Productivity: population size and the rate of change</p>	<ul style="list-style-type: none"> • [Quantification] of [Resource Demographic Category] within a [Resource Geographic Region] • [Quantification] of productivity of [Resource Demographic Category] within a [Resource Geographic Region] • [Recruitment Dynamics] description for [Resource Demographic Category] • [Quantification] of [Mortality] • [Quantification] of escapement and relationship to [Recruitment Dynamics] and [Reference Points] • [Quantification] of [Mortality] by [Fishery Category] • [Quantification] of [Gear] modifications applied in a [Fishery Category] designed to reduce [Mortality]. • [Fisheries Status] of [Resource Demographic Category] within a [Resource Geographic Region] • Probability of changes to species' abundances associated with [Regime Shift Indicators]
<p>Spatial & Temporal Dynamics: geographic patterns, migration routes and distribution of population and species</p>	<ul style="list-style-type: none"> • [Quantification] of [Resource Demographic Category] distribution during a [Time Period] • [Index of Abundance] in a [Resource Geographic Region] during a [Time Period] in a [Resource Geographic Region] • Metapopulation structure among [Resource Demographic Category] in a [Resource Geographic Region]
<p>Phenotypic & Genetic Diversity: differences in morphology of individuals due to environmental and genetic variation</p>	<ul style="list-style-type: none"> • [Genetic Diversity] and/or [Phenotypic Diversity] among a [Resource Demographic Category] within a [Resource Geographic Region] • Change in [Genetic Diversity] and [Phenotypic Diversity] among a [Resource Demographic Category] over [Time Period] • Reproduction potential based on [Genetic Diversity] and/or [Phenotypic Diversity] among a [Resource Demographic Category]

Table A1.5: Habitat & Environment Dimension – Example Indicators

Element	Example Indicators
<p>Substrate Quality: condition of biotic and abiotic structures used by aquatic organisms during their life cycle, including extent, availability and quality</p>	<ul style="list-style-type: none"> • Substrate characteristics mapped and the degree of impact, by [Anthropogenic Activity] • [Quantification] of [Gear] modifications applied in a [Fishery Category] designed to reduce impact to substrate quality • [Quantification] of nursery, spawning or sensitive areas • Proportion of sensitive or rare [Biogenic Species] subject to [Anthropogenic Activity] • Proportion of biogenic structures surveyed and mapped, and the degree of impact, by [Anthropogenic Activity] • Habitat Maps considering presence/absence and abundance of [Biogenic Species] • [Quantification] of [Gear] modifications applied in a [Fishery Category] designed to reduce impact to biogenic structures
<p>Water Quality: water quality and column properties including extent and availability</p>	<ul style="list-style-type: none"> • [Quantification] of [Pollution] in a [Resource Geographic Region] • [Quantification] of anoxic zones in a [Resource Geographic Region] • [Eutrophication Indicator] in a [Resource Geographic Region] • Risk assessments for major catastrophic [Pollution] events • [Quantification] of [Pollution] over [Time Period] • [Quantification] of introduction and proliferation of disease/pathogens. • [Quantification] of water in migration pathways. • [Quantification] and mapping of pelagic pathways. • Probability of climate-change induced regime shift using [Regime Shift Indicators]
<p>Productivity Capacity: the natural equilibrium capability of habitats to produce healthy fish stocks and aquatic organisms on which fish depend</p>	<ul style="list-style-type: none"> • [Quantification] of [Eutrophication Indicator] • [Quantification] of historic bounds of primary productivity

Table A1.6: Ecosystem Structure & Functionality Dimension – Example Indicators

Element	Example Indicators
Biodiversity: number and variety of organisms within a particular ecosystem	<ul style="list-style-type: none"> • [Quantification] of [Biodiversity Indices] in a [Resource Geographic Region] • [Quantification] of change in [Biodiversity Indices] over [Time Period] • [Quantification] of non-native species in ecosystem
Food & Interaction Webs: energy flows and interactions between trophic levels and populations in an ecosystem	<ul style="list-style-type: none"> • [Quantification] and [Qualitative Methods] evidence of [Food-web Interactions] that enhance/maintain [Food-web Stability] • Influence of [Anthropogenic Activity] on [Food-web Interactions] and [Food-web Stability]. • [Quantification] of changes to [Food-web Interactions] over [Time Period] • Degree of impact of non-native species on [Food-web Interactions] and [Food-web Stability]
Regime Shifts: persistent changes in the structure and function of an ecosystem	<ul style="list-style-type: none"> • [Quantification] of changes in primary or trophic level productivity reflected by [Regime Shift Indicators] • [Quantification] of changes to community or trophic structure reflected by [Regime Shift Indicators] • [Quantification] of changes to [Food-web Stability] reflected by [Regime Shift Indicators] • Non-native and/or competing species impacts on [Regime Shift Indicators]

Table A1.7: Health & Wellbeing Dimension – Example Indicators

Element	Example Indicators
<p>Material Wellbeing: basic needs, physical welfare and standards of living</p>	<ul style="list-style-type: none"> • [Social Factor] among [Human Population] in [Human Geographic Region] • Proportion of [Human Population] in [Human Geographic Region] below the poverty line • [Income disparity Metric] in [Human Geographic Region] • Availability of affordable [Services] to [Human Population] in [Human Geographic Region] • Ratio of [Services] cost to gross adjusted disposable income of the [Economic Unit] • [Quantification] of [Seafood] caught [Adjacent] to [Human Geographic Region] that is consumed within the [Human Geographic Region] and by [Product Category] • [Quantification] of deaths at-sea • [Quantification] of injuries in [Fishery Category] per [Time Period] • Proportion of fisheries workforce that meets [Certification Standards]
<p>Relational Wellbeing: relations of love and care, networks of support and obligation, social, political and cultural identities</p>	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of subjective perception of shared values and norms within a [Human Population] in a [Human Geographic Region] • [Quantification] of social networks within a [Human Population] in a [Human Geographic Region] • [Qualitative Methods] evidence of participation in [Organizations] within a [Human Population] in a [Human Geographic Region] • The [Organization Condition] of [Organizations] in a [Human Geographic Region] • Voter turnout in a [Human Geographic Region] for [Jurisdiction] election among [Human Population]
<p>Subjective Wellbeing: personal perception of individual and collective health and wellbeing, sense of agency and self-efficacy</p>	<ul style="list-style-type: none"> • Rating of importance of fisheries in opinion polls in [Human Geographic Region] among [Human Population] • Stated preference valuation for the existence of fisheries dependent communities in [Human Geographic Region] • [Qualitative Methods] evidence of subjective perception of self-efficacy within the [Human Geographic Region] • [Qualitative Methods] evidence of attachment to place within the [Human Geographic Region] • [Quantification] of social mobility within the [Human Geographic Region] • [Qualitative Methods] evidence of subjective perception of well-being within the [Human Geographic Region]

Element	Example Indicators
	<ul style="list-style-type: none"><li>• [Wellbeing Index] within the [Human Geographic Region]

Table A1.8: Economics & Finance Dimension – Example Indicators

Element	Example Indicators
Economic Efficiency: value obtained from the resource relative to costs, waste and negative externalities	<ul style="list-style-type: none"> • Realized catch relative to potential target harvest • [Quantification] of [Resource Demographic Category] discard • Market price relative to private marginal cost of production • Cost of output for [Economic Unit] by [Fishery Category] relative to the lowest possible average total cost • Output obtained from a given quantity of inputs relative to the maximum output obtainable from that given quantity of inputs • Productivity of [Economic Unit] by [Fishery Category] • [Efficiency] of [Economic Unit] by [Fishery Category] • [Quantification] of seafood by [Product Type]
Financial Viability: financial health of enterprises and other institutions involved in the fishery	<ul style="list-style-type: none"> • Net profit of enterprises by [Value Chain Element], [Fishery Category] and [Gear] • Bankruptcy rate for participants by [Value Chain Element], [Fishery Category] and [Gear] • Investment stock/flow in fishery, by [Value Chain Element], [Fishery Category], [Operator Type] and [Gear] • Availability of capital/debt financing by [Value Chain Element], [Fishery Category], [Operator Type] and [Gear] • [Financial ratio] by [Value Chain Element], [Fishery Category], [Operator Type] and [Gear] • [Quantification] of enterprises dependent on one fishery • Number of [Fishery Category] that fishing enterprises participate in • Proportion of investment stock/flow in depreciating assets versus [Access] by [Operator Type]
Economic & Financial Sustainability: sustainability of profits at all stages of the value chain	<ul style="list-style-type: none"> • Economic sustainability index • [Financial Information] trends • Value of [Economic Variables] by [Fishery Category] • [Quantification] of [Economic Variables] by [Value Chain Element] in [Human Geographic Region] • Availability of [Occupational Axis] with the required [Experience], [Education] and [Certification Standards] • Presence/absence of [Law] to restrict [Market Failure] • [Enforcement] of restrictions on [Market Failure] • [Quantification] of [Labour Tactic]
Equity: fairness in how costs and benefits of the fishery are distributed amongst participants	<ul style="list-style-type: none"> • [Income Disparity Metric] in [Human Geographic Region] • Distribution of [Value Type] by [Value Chain Element] • Distribution of [Value Type] by [Operator Type] • Loss of [Benefit Axis] from reallocation of access from [Economic Unit] in [Human Geographic Region] • [Quantification] of [Seafood] harvest across [Fishery Category]

Element	Example Indicators
	<p>being contested by one or more [Stakeholder Group]</p> <ul style="list-style-type: none"> • Distribution of catch by [Fishery Category], [Human Geographic Region], and [Economic Unit] • Distribution of [Access] by [Human Geographic Region], [Human Population], [Fishery Category], [Operator Type] • [Quantification] of major changes to [Access] conditions over [Time Period] • [Benefit Axis] by [Socio-economic Distribution Axis] • [Cost Axis] by [Socio-economic Distribution Axis] • Distribution of [Value Type] by [Value Chain Element] • Distribution of [Value Type] by [Operator Type] • [Risk Axis] by [Socio-economic Distribution Axis]

Table A1.9: Social Justice Dimension – Example Indicators

Element	Example Indicators
<p>Poverty & Livelihoods: consideration of the interests of the poor and fishing livelihoods in the management of the resource</p>	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of subjective perception of the viability of livelihoods among [Human Population] in [Human Geographic Region] • [Quantification] of [Livelihood Index] by [Occupational Axis] • [Livelihood Index] applied at [Human Geographic Region] • [Quantification] of [Social Factor] in fishery-dependent [Human Geographic Region] • [Quantification] of [Social Factor] gains and losses among [Human Population] in [Human Geographic Region] • [Qualitative Methods] evidence of poverty and livelihoods in [Human Geographic Region] being taken into account in [Management Plan] • [Experience] and [Education] by [Occupational Axis], [Fishery Category] and [Gear] • [Quantification] of [Labour Tactic]
<p>Women & Gender: consideration of the interests of women and gender issues in the management of the resource</p>	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of women and gender issues in [Human Geographic Region] being taken into account in [Management Plan] • [Quantification] of [Experience] of women in [Fishing Category] • Quantification of participation in [Fishing Category] by women by [Occupational Axis] • Quantification of participation in [Fishing Management Activity] by women by [Occupational Axis]
<p>Fishing Communities: consideration of the interests of fishing communities in the management of the resource</p>	<ul style="list-style-type: none"> • [Qualitative Methods] evidence of fishing communities in [Human Geographic Region] being taken into account in [Management Plan] • Value of [Fisheries Related Public Infrastructure] in [Human Geographic Region] • Value of [Fisheries Related Private Infrastructure] in [Human Geographic Region] • [Quantification] of [Risk Axis] by [Human Geographic Region] • [Qualitative Methods] evidence of [Technological Impacts] on [Human Population] in [Human Geographic Region]
<p>Indigenous Peoples: consideration of the interests of Indigenous peoples in the management of the resource</p>	<ul style="list-style-type: none"> • Quantification of participation in [Fishing Category] by Indigenous Peoples by [Occupational Axis] • Quantification of participation in [Fishing Management Activity] by Indigenous Peoples • [Qualitative Methods] evidence of Indigenous Peoples in [Human Geographic Region] being taken into account in [Management Plan]

Element	Example Indicators
	<ul style="list-style-type: none"> • [Law] protecting rights of Indigenous Peoples • [Law] requiring consideration of traditional knowledge of Indigenous Peoples • [Qualitative Methods] evidence of participation in [General Management Activity] by [Fishing Category] • [Quantification] of [Benefit Axis] by Indigenous group
<p>Future Generations: consideration of the interests of future generations in the management of the resource</p>	<ul style="list-style-type: none"> • [Quantification] of [Natural Capital] stocks • [Quantification] of rate of depletion of [Natural Capital] stocks • [Qualitative Methods] evidence of substitutability of human and physical capital for [Natural Capital] stocks • [Qualitative Methods] evidence of future generations in [Human Geographic Region] being taken into account in [Management Plan]

Table A1.10: ATTRIBUTES

Attribute	Examples of Attribute
Access	open access; licence; quota; individually allocated access; hereditary right; communal access
Accountability Criteria	documented roles and responsibilities; explicit consequences for non-performance of duties; binding commitments to 3 rd party standards; agreements to adhere to appropriate professional codes of conduct
Accountability Mechanism	reports and disclosure statements; performance assessments and evaluations; risk assessments; self-regulation; social audits; protests; campaigns
Accredited Organization Criteria	represents members; requires members to pay an annual due; maintains a duly elected executive; has established and maintains a reporting mechanism; has made required filings and registration with appropriate public bodies; maintains minimum membership size
Adjacent	within 10 miles; within 100 miles; in province; in country, Exclusive Economic Zone
Agreement	conditional sales agreement; trust agreement; minimum price agreement; collective agreement; treaty
Agreement Element	goals & objectives; terms of reference; statement of roles and responsibilities; duration and renewal conditions; liability and accountability provisions; dispute resolution mechanisms; audit and evaluation conditions
Anthropogenic Activity	harvesting; shipping; tourism and recreation; oil and gas extraction/processing; mining; forestry; aquaculture; construction; residential development
Assessment Method	performance based audit; program evaluation; fishery management plan evaluation; third-party fisheries certification assessment; management strategy evaluation; CFRN indicator framework
Benefit Axis	employment; access (quota, licence); physical capital (e.g., vessels); income; revenue; food; opportunity
Biodiversity Indices	species richness; Shannon's diversity; species assemblage structure; slope of size spectra; abundance of keystone species
Biogenic Species	corals; sponge; crystalline algae; bivalves; oysters; scallops; mussels; sea grass.
Certification Standards	occupational first aid; marine emergency duties; master's ticket; engineer's ticket, post- secondary degree.

Attribute	Examples of Attribute
Collaboration Criteria	power-sharing; information-sharing; shared rule-making; multi-party agreements signed and/or renewed; multi-party management plans
Collaboration Criteria	power-sharing; information-sharing; shared rule-making; multi-party agreements signed and/or renewed; multi-party management plans; mechanisms for conflict and conflict resolution.
Collaboration Type	public-private partnerships; private-social partnerships; co-management
Compensation	payment; wage; share; bonus
Compliance Criteria	conformation to rules, regulations, plans, policies, standards, agreements, laws and administrative specifications; requirement of and conformity to covenants of permits, certificates, licenses or leases; penalties in place to address infractions such as fines, seizure of harvest
Conflict Resolution Approaches	facilitative approach; mediation; negotiation; arbitration; rights-based court system; rule based processes; transformative approach; interest based approach; evaluative approach; activist approach; narrative approach
Co-operation Criteria	disputed decisions; disputes resolved; availability of third-party conflict resolution services; use of third party conflict resolution services; ministerial intervention
Cost Axis	loss of capital; loss of human life; human health impacts; habitat loss; ecosystem service losses; opportunity costs; foregone revenues
Data	federal fisheries data that does not violate privacy, confidentiality or national security requirements; federal fisheries catch data; federal fisheries stock assessment data; federal fisheries quota transaction data; provincial fisheries processing data; fisheries ownership data
Distribution of Authority	co-management; collaborative governance; subsidiarity; delegation of powers
Economic Unit	individual; household; enterprise; fishery; industry
Economic Variables	price; rent; subsidies; externalities; consumer surplus; producer surplus; GDP
Education	primary school, some high school; high school graduate; some postsecondary; postsecondary certificate or diploma; bachelor's degree; master's degree; doctorate's degree
Efficiency	allocative efficiency; productive efficiency; technical

Attribute	Examples of Attribute
	efficiency
Enforcement	arrest, prosecution, fine, jail term, seizure
Eutrophication Indicator	nutrient concentrations; Chlorophyll A concentration; index of water clarity; hypoxia; algal blooms; changes phytoplankton communities; fish kills
Experience	months or years working in industry; position (deckhand, skipper); fisheries
Financial Information	licence value; quota value; share value; wages; price; revenues; costs; profits
Financial Ratio	cash ratio; current ratio; effective tax rate; return on equity; debt to equity; cash flow to debt; price/earnings ratio; dividend yield
Fisheries Management Activity	monitoring; enforcement; stock assessment; research; habitat monitoring; habitat protection; habitat restoration; habitat enhancement; harvest planning; harvest management; evaluation
Fisheries Related Private Infrastructure	vessels; processing plants; service providers; manufacturers
Fisheries Related Public Infrastructure	wharves, docks, piers; coast guard facilities; research stations and vessels; stock enhancement facilities
Fishery Category	fishery (by species, multi-species, gear, market); fleet (by vessel size, ownership, gear)
Fishery Related Website	DFO website; industry association website; community association fisheries website; ENGO fisheries website
Fishery Status	B_t/B_{target} ; B_t/B_{lim} ; B_t/B_0 ; probability of extinction; COSEWIC/IUCN designated unit status
Flexibility Criteria	adherence to process and precedent; consideration of range, time, change, conditions of uncertainty and favourability; consideration of trigger events, trigger states, decisions and choices; distinguish between flexible, inflexible and degrees of flexibility
Food Web Interactions	metabolic respiration; energy flow; carbon flow; niche width, diet composition and index of complexity, number of trophic levels, species/life stage size spectra; food web complexity; abundance of alternate prey
Food Web Stability	CV of biomass; Eigenvalue from community matrix interactions.
Gear	nets; traps; hooks; longline; trawl; troll; gillnet; seine; trap; hook and line; dive
General Management Activity	regional advisory processes; government budget allocation processes; management agency administration processes; science advisory processes; management

Attribute	Examples of Attribute
	agency hiring processes
Genetic Diversity	Gene diversity, Heterozygosity variation and microsatellites and mitochondrial DNA; genetic mixing; genetic sex ratio
Human Geographic Region	country; province; region; community; First Nation territory
Human Population	general human population; fisheries participants; aboriginal people; youth; women; men; coastal communities
Inclusivity Criteria	access to funding; access to other resources; attendance at meetings; participation rates at public hearings; travel time between fishing communities & meeting locations; membership in stakeholder groups
Income Disparity Metric	Gini coefficient; ratio of highest wage to average wage; proportion below poverty line
Index of Abundance	CPUE; WPUE; survey estimates; stock assessment biomass/abundance estimates
Information Standards	allocation decisions include explicit trade-off analysis; decisions include risk assessment; peer review of science; knowledge of legal and regulatory framework; indicators are SMART; use of EBM approaches; application of precautionary approach; incorporation of local and traditional knowledge; multi-disciplinarity; MSE; Bayesian Decision Networks
Institutional Arrangement	legislation; regulation; policy; programs; management structures
Jurisdiction	federal; provincial; municipal; First Nation
Labour tactic	strike; blacklist; boycott, media
Law (inclusive of soft and hard laws)	<i>Fisheries Act</i> ; <i>Oceans Act</i> ; Marine Stewardship Council (MSC) certification; industry association regulations; Aboriginal and treaty rights to fish
Livelihood Index	Sustainable Livelihood Security Index; Economic Security Index
Management Plan	Integrated Fisheries Management Plan; marine use plan; land use plan; harvest plan
Market Failure	corporate concentration; insider trading; undue market control; transfer pricing; price gouging; price-fixing
Mortality	Fishing mortality; Target Fishing mortality; Natural Mortality; Incidental Mortality
Natural Capital	fish; wildlife; forests; water resources; air; energy sources; minerals

Attribute	Examples of Attribute
Occupational Axis	skipper; deckhand; tenderman; diver; shoreworker; technician; fisheries observer; fisheries scientist; processor; fisheries manager; fisheries researcher
Operator Type	processor with fisheries access rights; non-participating access owner (investor); owner-operator; active fishermen without ownership access
Organization Condition	number of; participation rates in; funding for
Organization	arts organizations; cultural institutions; social organizations; environmental organizations; political organizations; industry associations; union
Participant Type	representative; delegate; observer; expert; facilitator
Phenotypic Diversity	phenotypic variation in measurable characteristics; maturation-at-age; size-at-age; phenotypic sex ratio, meristics.
Pollution	thermal & heated water; sewage; debris; oil discharge; noise; light
Power Dynamics Criteria	sources of power imbalances (personal, relational, data, technological, professional, structural, educational, capacity etc.); types of power relations (citizen, delegated or power over, partnership or power with, powerless, empowered, coercive, cooperative); power holders
Predictability Criteria	clearly established and communicated processes for decision making; following plain meaning of a process or provision; pursue process as it was intended by drafters; follow precedent
Processing Type	fresh; fresh-frozen; frozen-at-sea; smoked; fish product (e.g., surimi); canned; fishmeal
Product Category	landed; processed; available for sale; consumed; exported from
Qualitative Methods	survey; focus group; interview; public hearing; public inquiry; study; legal proceedings; media article
Quantification	proportion; number; frequency; total area; total volume; presence/absence; ratio
Recruitment Dynamics	shape of recruitment curve; compensation or depensation; changes in average recruitment
Reference Points	limit reference points; upper reference points; target reference points
Regime Shift Indicators	changes in trophic level; changes in individual size; end-to-end ecosystem models; ecosystem exploitation index; water acidification; changes in water/air temperature.
Resource Demographic Category	species; population; stock; size; sex; age; class.

Attribute	Examples of Attribute
Resource Geographic Region	province; country; Exclusive Economic Zone; region; management area; marine area; river system; lake; watershed
Risk Axis	ecological; financial; economic; health; cultural
Rule Level	constitutional level; collective level; operational level
Seafood	by species grouping (e.g., salmon, groundfish); species (e.g., chum salmon, prawns); gear and species (e.g., gillnet-caught chum salmon)
Sector	commercial; recreational; food; cultural
Services	education; housing; daycare; medical care
Social Factor	suicide rate; infant mortality rate; unemployment rate; migration rate; employment rate; life expectancy; real per capita income; job satisfaction level employment rate; life expectancy; real per capita income; job satisfaction level
Socio-economic Distribution Axis	gender; age; sector; fishery; region; community; enterprise; vessel; harvester; individual
Stakeholder Group	Indigenous communities; processors; trade unions; fishermen's associations; industry associations; recreational users; regional government; community groups; environmental interests; provincial government
Support	financial; human resources; technical; logistical
Technological Impacts	deskilling; loss of customary or traditional knowledge; generation gaps; job losses
Time Period	day; week, month; season; year; decade; century
Trade-off Criteria	qualitative and quantitative frameworks to discuss trade-offs; clarified decision context; clear statement of and justification for trade-offs; evaluation and selection of trade-offs; assignment of ranks or preferences for alternatives; estimation of risk (objective and subjective)
Transparency Criteria	availability of information; usability of available information; public release of rationale for decision
Value Chain Element	producer; processor; buyer; wholesaler; retailer; consumer; investor
Value Type	landed value; export value; wholesale value; retail value
Wellbeing Index	OECD Better Life Index; Genuine Progress Index; Gross National Happiness; Human Development Index