



2nd Stakeholder Engagement Workshop

Freshwater Health Index

INDICATORS OF FRESHWATER HEALTH

- Combination of remotely sensed, monitored, modeled and survey data
- Each indicator scaled from 0-100 for ease of interpretation
- Ecosystem Vitality and Ecosystem Services indicators can be modeled to assess scenarios

ECOSYSTEM VITALITY

Water Quantity

- Deviation from natural flow
- Groundwater storage depletion

Water Quality

- Suspended solids
- Total nitrogen
- Total phosphorus
- Other quality parameters of concern

Basin Condition

- Bank modification
- Flow connectivity
- Land cover naturalness

Biodiversity

- Species of concern
- Invasive & nuisance species

ECOSYSTEM SERVICES

Provisioning

- Water supply reliability
- Biomass for consumption

Regulation & Support

- Sediment regulation
- Water quality regulation
- Flood regulation
- Disease regulation

Cultural

- Conservation areas
- Recreation

GOVERNANCE & STAKEHOLDERS

Enabling Environment

- Water resources management
- Right to resource use
- Incentives & regulations
- Financial capacity
- Technical capacity

Stakeholder Engagement

- Information access
- Engagement in decision-making processes

Vision & Adaptive Governance

- Strategic planning & adaptive management
- Monitoring & learning mechanisms

Effectiveness

- Enforcement & compliance
- Distribution of benefits
- Water-related conflict



Stakeholder Engagement



TIMELINE

April
2020

[1] DATA
COLLECTION

[2] GOVERNANCE
STAKEHOLDER
ASSESSMENT &
SURVEY WEIGHTS

[3] CALCULATE
INDICATORS

[4] PUTTING ALL
TOGETHER

[5] FINAL REPORT
June
2021

Way forward

- Compile a report of the workshop
- To complete calculation of remaining indicators
- Revise calculated indicators based on the feedback received during the engagement.
- Engage broader set of stakeholders (Traditional Authority).
- Explore synergies and interest to expand the work

