

WATER SECURITY THREAT

- 3a. IDENTIFY THE SYSTEM'S VULNERABILITIES**
3b. EVALUATE HOW THE INDICATORS SUPPORT THE DESIRED OUTCOME

ADEQUATE WATER SUPPLY

Adequacy of water supply for ecosystems
Percent of farms with clean water for agriculture
Percent of population with clean water for drinking



2. FORM THE INDICES USING THE INDICATORS

Fitness for uses 1, 2, ... n
Ground water supply
Maximum and mean annual runoff
Low flow index
Flood damage index



1. MEASURE THE RELEVANT INDICATORS, OR METRICS

Lake/reservoir level
Digital Elevation Model
Land cover
NO₂ (nitrogen dioxide), biochemical
oxygen demand, color, total dissolved solids,
total suspended solids

Depth of water table
Water withdrawals for agriculture
Soil type
Daily river discharge
Daily precipitation and temperature,
evapo-transpiration, humidity, solar radiation