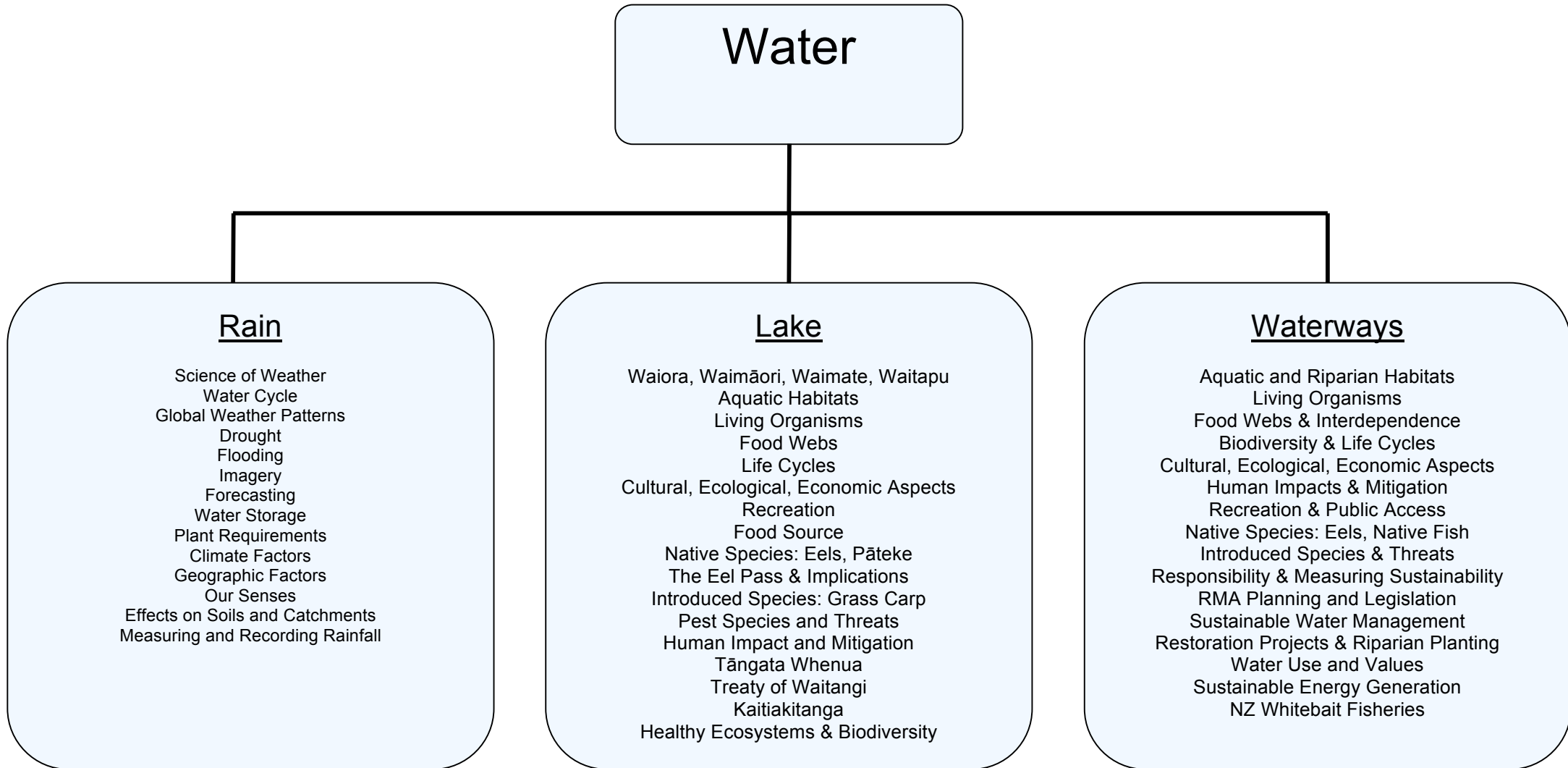


**APPENDIX 1b: SOME LEARNING LINKS WITHIN THE PHYSICAL CONTEXT: WATER**  
**Pan Pac Kiwi Crèche and Wilderness Education Base**



# Water (continued)

## Wetland

Waipiro & Rongoa  
Current & Historic Wetlands  
Economic Values  
Ecological & Biodiversity Values  
Wetland Plants  
Drainage  
Habitat Conservation & Restoration  
Native Wetland Species  
Endangered: Matuku, Fernbird  
Life Cycles  
Threats and Pest Species  
Species Reintroductions  
Filter Effects of Wetlands  
Cultural Attitudes & Values  
RMA Planning & Legislation  
Inter-related Ecosystems  
Fragile Foodwebs

## Tanks

History of Water Storage  
Reasons for Water Storage  
Water Storage Issues  
Water Easements  
Problem Solving  
Cost and Maintenance  
Effective Systems  
Water Use and Sustainability  
Measuring Water Use  
Monitoring Water Use  
Water Quality  
Filters and Filter Systems  
Water Related Health Issues  
Pumps  
Design & Engineering  
Manufacturing  
Construction Materials & Methods  
Industry Standards & Testing  
Sustainable Infrastructures  
Measuring Volume

## Catchment

Mauri and Tribal Boundaries  
Nutrients and Runoff  
Links: Deforestation & Erosion  
RMA, Monitoring & Legislation  
Planning for Sustainable Land Use  
Council Zoning  
"Strong Sustainability" Model  
Landowners & Permitted Activities  
Environmental Links to Wellbeing  
Fish Passes  
Water Storage Issues  
Dams & Environmental Effects  
Environmentally Sustainable Energy  
Pollution, Waimate  
Use of Agrichemicals  
Environmental Protection Agency  
Diadromous Fish  
Tributaries & Braided Rivers  
Human Induced Impacts

## Sea

Estuaries & River Mouths  
Tidal Zones  
Science of Moon & Tides  
Maori Lunar Calendar  
Diadromous Fish  
Interdependence  
Waitai  
Kaitiakitanga, Taiapure & Mataitai  
Rahui & Sustainability  
Resource Management  
Human Migration & Identity  
Navigation  
Climate Change  
Global & Local Threats  
Migratory Species: Cook's Petrel  
Food Gathering  
Biodiversity Links: Land & Sea  
Ocean Currents  
Protecting Ecosystems  
Scientific Discovery  
Marine Issues