**WATER SUPPLY AND DEMAND ANALYSIS TEMPLATE**

**Please see Dealing with Drought: A Handbook for Water Suppliers in British Columbia (LWBC 2004) for a description of what to include in each section.** Note that it may not be necessary or possible to complete each section.

**INTRODUCTION**

Study Area

Background

Water Management Issues and Concerns

Purpose and Objectives of Study

**BASIN DESCRIPTION**

Location and Size

Population

Land Use (Agriculture, Forestry, Urban, Future Land Use)

Basin Features

**WATER RESOURCES**

Surface Waters

Streamflow Records

Reservoir and Lake Levels

Inflows to Treatment/Distribution Infrastructure

Effects of Storage and Diversion

Critical Low Flows and Probabilities

Groundwater

Description of Groundwater Resource

Water Well Data

Groundwater Potential

**WATER QUALITY**

Surface Water Quality

Data Collection

Water Quality Assessment

Trend Assessment

Potential Effects of Low Flows

Groundwater Quality

Data Collection

Groundwater Quality Assessments

Aquifer Contamination Potential

**WATER RESOURCE USES**

Surface Water Rights

Instream Water Requirements

Identification of Species at Risk

Identification of Designated Sensitive Streams

Groundwater Uses

Downstream Uses

Future Water Resource Requirements

**WATER MANAGEMENT ANALYSIS**

Natural Flows

Demands (by customer sector, where possible)

Supply/Demand Comparison

Quantification of System Leaks

Analysis Results

Assessment of Demand Management Potential and Supplementary Storage

**CONCLUSIONS AND RECOMMENDATIONS**