City of Cle Elum SMP
Cumulative Impacts Analysis (CIA) outline
February 2013

1) Chapter 1: Introduction
    a. Purpose of the Report
    b. State Requirements
    c. Report Contents and Methodology
2) Chapter 2: Current Watershed Conditions and Land Uses
    a. Yakima River
    b. Cle Elum River
3) Chapter 3: Reasonably Foreseeable Future Development, Ecological Functions at Risk and Protective SMP Standards
    a. Reasonably Foreseeable Future Development
        i. Past permit activity
        ii. Future growth projection
        iii. Build-out analysis
    b. Ecological Functions at Risk
        i. Water quality
        ii. Habitat
            1. Riparian zones
            2. Streams
            3. Wetlands
        iii. Hydrology
            1. Channel migration zones
            2. Floodplains
    c. General SMP Protective Standards
        i. Shoreline Environment Designations
        ii. Mitigation Sequencing
        iii. Shoreline Buffers and Setbacks
        iv. Vegetation Conservation
        v. Critical Areas Standards

d. Specific Types of Reasonably Foreseeable Future Development

Use/Development Type	Existing Development	Expected Type and Location of Future Development	Potential Impacts of Future Development on Shoreline Ecological Functions (water quality, habitat, hydrology)	SMP Protective Standards

4) Chapter 4: Beneficial Effects of Established Programs
    a. Local Plans and Regulations
        i. Long range plans
            1. Cle Elum Comprehensive Plan
                a. Impacts addressed
        ii. Local regulations
            1. Clearing and grading
                a. Impact addressed
    b. State and Federal Regulations
        i. Endangered Species Act
        ii. Clean Water Act
        iii. National Flood Insurance Program
        iv. Hydraulic Project Approval
        v. Rivers and Harbors Act
        vi. National Pollutant Discharge Elimination System (NPDES)
        vii. Impacts Addressed
5) Chapter 5: Restoration Efforts
    a. Shoreline Restoration Opportunities
6) Chapter 6: Conclusions

7) Chapter 7: References
8) Appendix A: Build-Out Analysis Methodology
    a. Step 1: Identify vacant lots/parcels (within shoreline jurisdiction) using County parcel data set
    b. Step 2: Overlay critical areas data (e.g., wetlands and steep slopes) and remove areas from analysis
    c. Step 3: Overlay zoning data to determine allowed development types and subdivision potential
    d. Step 4: Calculate and map potential new residences and commercial/industrial structures within shoreline jurisdiction