Clark County’s Department of Environmental Services (DES) provides a service to our citizens to protect our surface and groundwater resources. To best understand the health of Clark County’s watersheds, rivers and streams, DES staff collect a variety of data through our Clean Water Program’s monitoring activities. The Long-Term Index Site Summary Report provides an overview of the data collected from 2002-2011 at ten locations throughout Clark County. The report highlights conditions and changes to be considered for future planning efforts, such as identifying projects and priorities for improvements to protect stream health throughout our community.

Clark County analyzed monthly storm water quality and annual benthic macroinvertebrate data collected from ten wadeable stream stations during 2002 through 2011. A water quality index is calculated based on a set of measured water quality variables. A benthic macroinvertebrate index (aquatic bugs) is calculated based on measurements of the kind and number of insects living on the stream bottom. Each station was analyzed for the presence of significant trends in water quality and benthic scores, as well as individual water quality variables.

For more information about the Clean Water Program:

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(360) 397-2121 ext 4264
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TRENDS stream health 2002-2011
Trends based on 10 years of data. Current conditions shown on next page

WATER QUALITY

Brezee Creek
Cougar Creek
Rock Creek North
Curtin Creek
Chelatchie Creek
Gee Creek
Mill Creek
Upper Whipple Creek
Little Washougal River
Matney Creek

BIOLOGICAL HEALTH

Gee Creek
Chelatchie Creek
Curtin Creek
Rock Creek
Cougar Creek
Little Washougal River
Matney Creek
Upper Whipple Creek
Brezee Creek
Mill Creek

WATER CLARITY

Chelatchie Creek
Little Washougal River
Brezee Creek
Cougar Creek
Curtin Creek
Gee Creek
Matney Creek
Mill Creek
Upper Whipple Creek

Overall stream health
Aquatic bugs are an indicator of stream health
Amount of solids causing cloudiness in water
As of 2011, the current water quality and biological health status for the ten stations is:

**Water quality scores**
- A = 1 station
- B = 2 stations
- C = 1 station
- D = 2 stations
- F = 4 stations

**Biological health scores**
- A = 1 station
- C = 5 stations
- F = 4 stations

### Variables measured:
- Temperature
- Dissolved oxygen
- pH
- Total solids
- Inorganic nitrogen
- Total phosphorus
- Bacteria (fecal coliform)
- Benthic macroinvertebrates

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**Water Quality Status - 2011**
(colored watersheds)
**Trends 2002-2011**

**Biological Health Status - 2011**
(colored watersheds)
**Trends 2002-2011**

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Clark County Environmental Services
P.O. Box 9810
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(360) 397-2121

The “Long-Term Index Monitoring Report” is available on:
www.clark.wa.gov/environment

For other formats, contact the Clark County ADA Office: Voice (360) 397-2322; Relay 711 or (800) 833-6388; Fax (360) 397-6165; E-mail ADA@clark.wa.gov.