

# BC Environment

## River Forecast Centre

---

### Flood Warning: 04DEC2007 5:30AM

- **Englishman, Nanaimo, Chemainus, Cowichan, Koksilah Rivers**
- **Gold River**

The **Flood Warning** continues for major rivers on Vancouver Island, as water levels continue to rise. The Gold River is added to the Flood Warning this morning.

Central Vancouver Island continued to receive heavy rain overnight, with the Jump Creek snow pillow recording a total of 219 mm of rain in 24 hrs, to Monday midnight. Rain is continuing at the snow pillow site at 4-5 mm/hr, from midnight to 5AM.

The temperatures at the snow pillow remains warm, and snowmelt is occurring. In the past 24 hrs, 65 mm of snow water was melted from the snow pillow location and added to stream runoff. Snowmelt and snowmelt runoff will continue today, until the freezing elevation falls considerably.

Nanaimo River:

- The Nanaimo River is at a discharge of 860 m<sup>3</sup>/s at 4AM. This is a 10-year return period. The water level is continuing to rise at 15 cm per hour.

Englishman River:

- Appears to have peaked at 325 m<sup>3</sup>/s at 4AM, and may have begun to fall slightly. This is a 2-year return period discharge.

Cowichan River at Duncan:

- The Cowichan River at Duncan is at a discharge of 380 m<sup>3</sup>/s at 4AM. This is near a 5-year return period. The water level plateaued for a while late Monday night, but has risen about 10 cm from midnight to 4AM.
- Discharge from the Cowichan River below Cowichan Lake is continuing to rise steadily.

Gold River:

- The Gold River is at a discharge of 1400 m<sup>3</sup>/s at 4AM, and rising. This is a 2-year return period discharge. The water level on the Gold River has increased about 4.2 metres over the past 20 hours, and is continuing to increase at about 3-5 cm per hour, midnight to 4:30AM.

---

A **High Streamflow Advisory** means that river levels are rising or expected to rise rapidly, but that no major flooding is expected. Minor flooding in low-lying areas is possible.

A **Flood Watch** means that river levels are rising and will approach or may exceed bankfull. Flooding of areas adjacent to affected rivers may occur.

A **Flood Warning** means that river levels have exceeded bankfull or will exceed bankfull imminently, and that flooding of areas adjacent to the rivers affected will result.