

Table 2. Biological indicators of smallmouth bass collected upstream and downstream from wastewater-treatment plants on tributaries of the Potomac River (modified from Iwanowicz and others, 2009).

[Data are presented as mean \pm standard deviation. Upstream and downstream values for the same river that are followed by different letters indicate significant difference ($p < 0.05$) between upstream and downstream sites]

| River | Female gonadosomatic index | Female vitellogenin (milligrams per milliliter) | Male gonadosomatic index | Severity of testicular oocytes |
|---------------|-----------------------------------|--|---------------------------------|---------------------------------------|
| Conococheague | | | | |
| Upstream | 1.26 \pm 0.35 ^a | 1.25 \pm 0.49 ^a | 0.39 \pm 0.06 ^a | 2.1 \pm 0.3 |
| Downstream | 0.63 \pm 0.06 ^b | 0.12 \pm 0.11 ^b | 0.13 \pm 0.06 ^b | 1.8 \pm 0.4 |
| Monocacy | | | | |
| Upstream | 0.94 \pm 0.11 | 1.89 \pm 1.01 | 0.30 \pm 0.04 | 1.2 \pm 0.3 |
| Downstream | 0.82 \pm 0.09 | 0.40 \pm 0.12 | 0.30 \pm 0.15 | 1.9 \pm 0.3 |