



MEMORANDUM

TO: BCWD Board of Managers

FROM: Aaron DeRusha, WCD

DATE: 12/27/2022

RE: BCWD YSI Sonde Maintenance Request

The watershed district currently owns and operates three YSI EXO 3 sondes in a continuous deployment mode during non-freezing conditions to monitor temperature, dissolved oxygen, turbidity, pH, and specific conductivity. These sondes are deployed on Brown's Creek at the McKusick Road, Stonebridge, and Outlet monitoring stations, and the data is used to assess conditions in the creek by comparison to state standards and the impairment stressors described in the Brown's Creek Biota TMDL.

The YSI EXO 3 sondes currently deployed at the McKusick Road and Stonebridge monitoring stations are in need of regular maintenance for components that have exceeded their service life, specifically two pH sensor modules and an optical dissolved oxygen sensor cap. The total cost for these user-replaceable parts according to the manufacturer's website is \$560 plus shipping.

Requested board action: Approve sonde maintenance request as described, not to exceed \$560 plus applicable shipping.