

The following supplement accompanies the article

Transparent exopolymer particles (TEP) in the deep ocean: full-depth distribution patterns and contribution to the organic carbon pool

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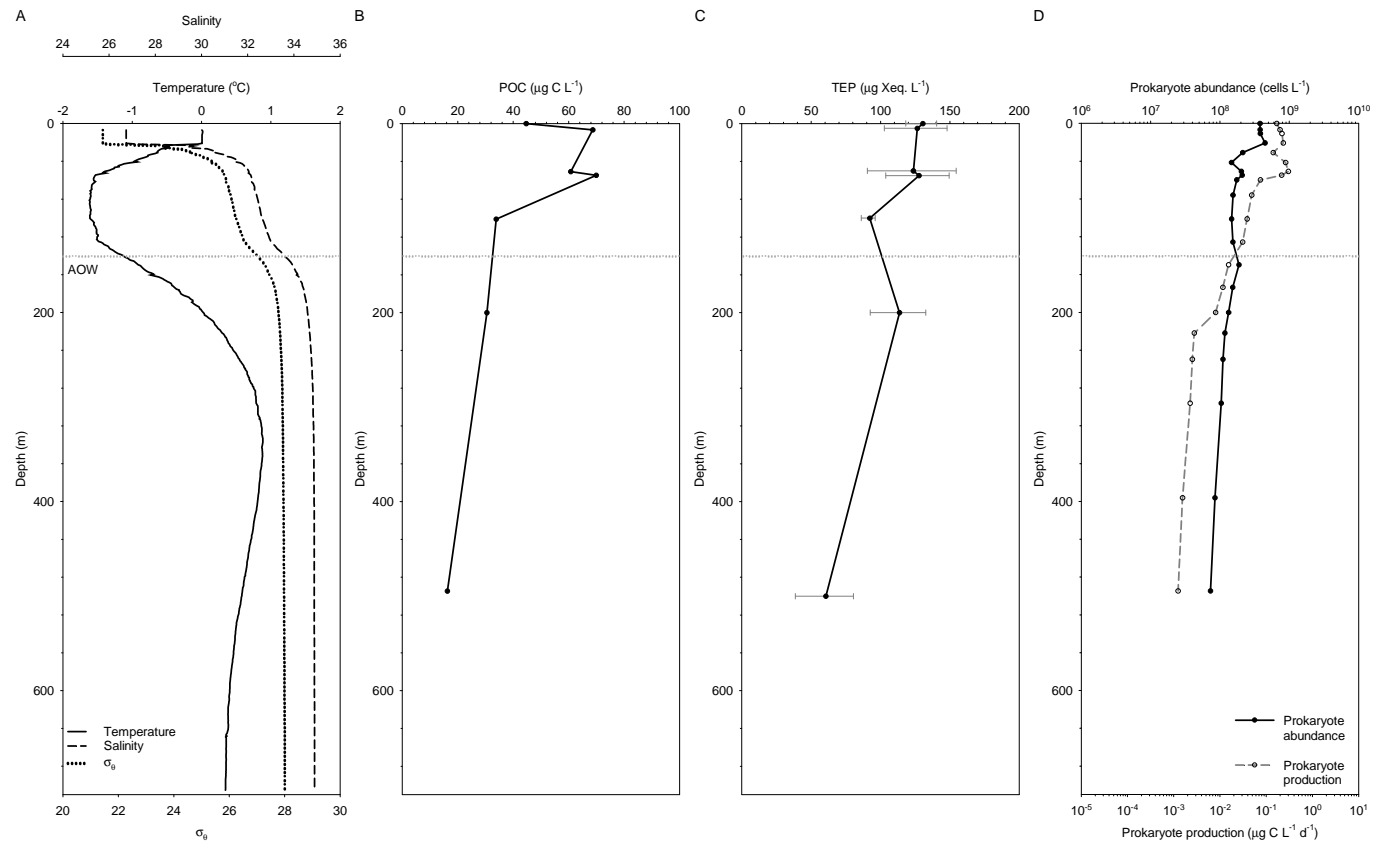


Figure S1. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA1 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW).

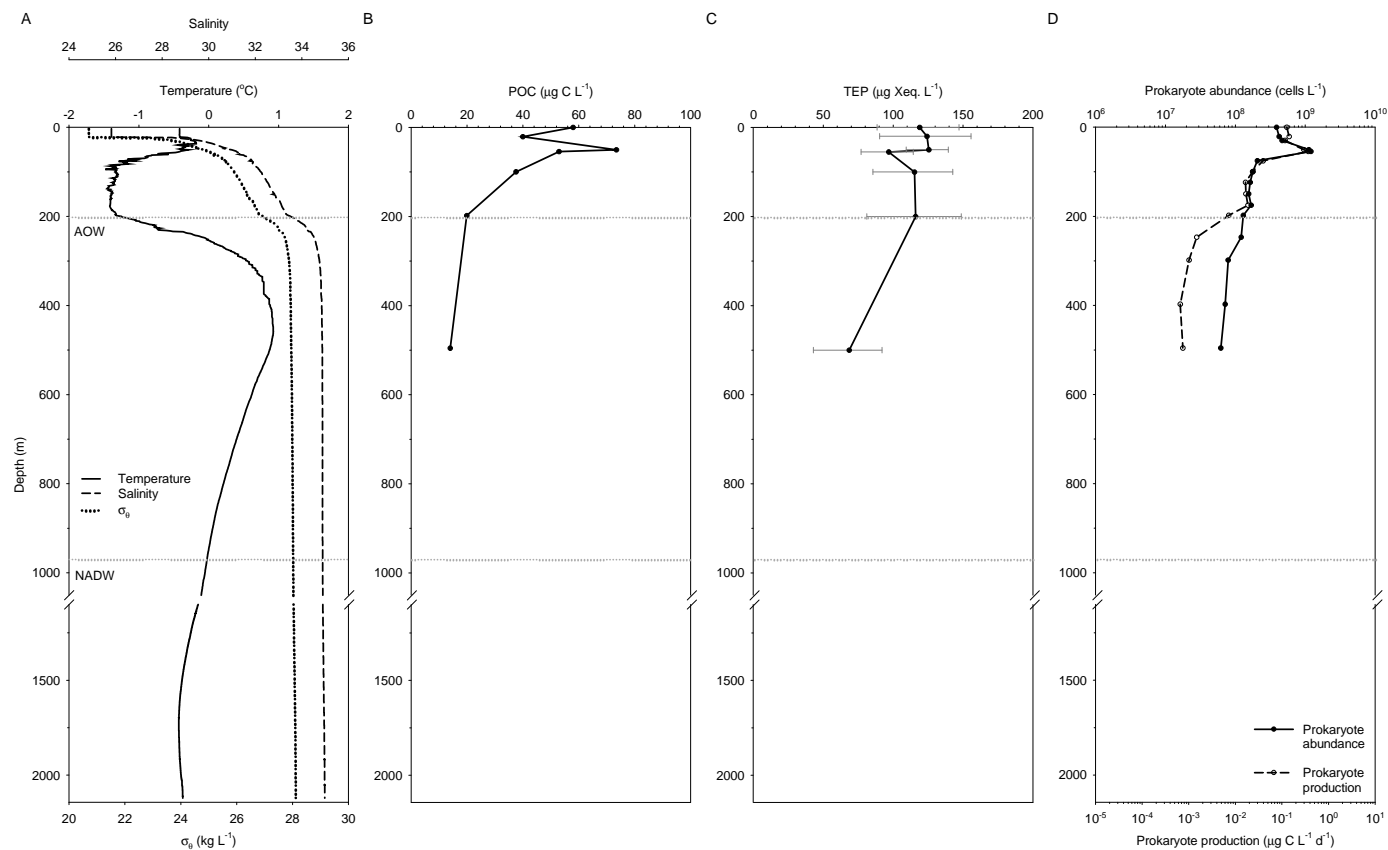


Figure S2. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA2 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

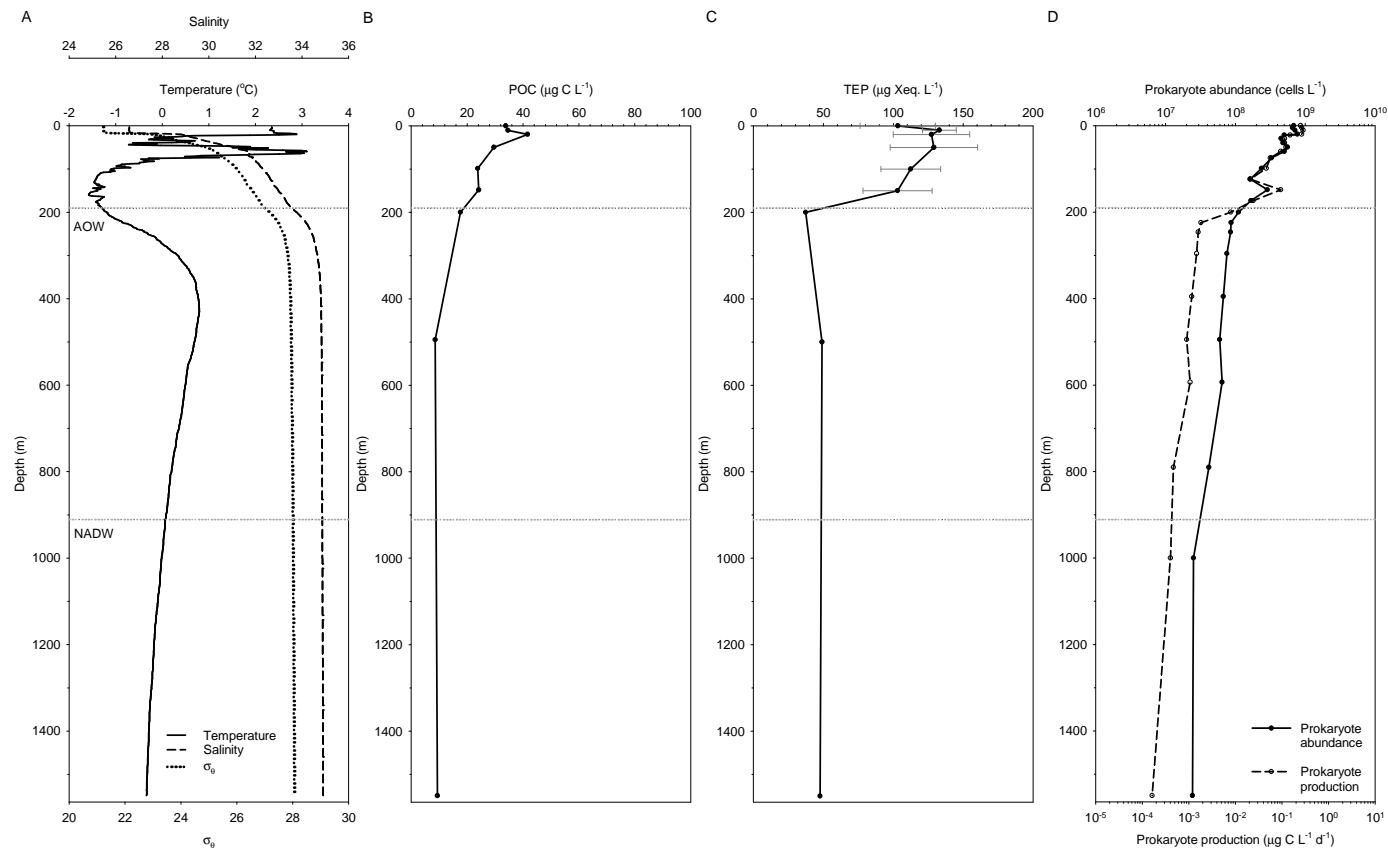


Figure S3. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA4 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

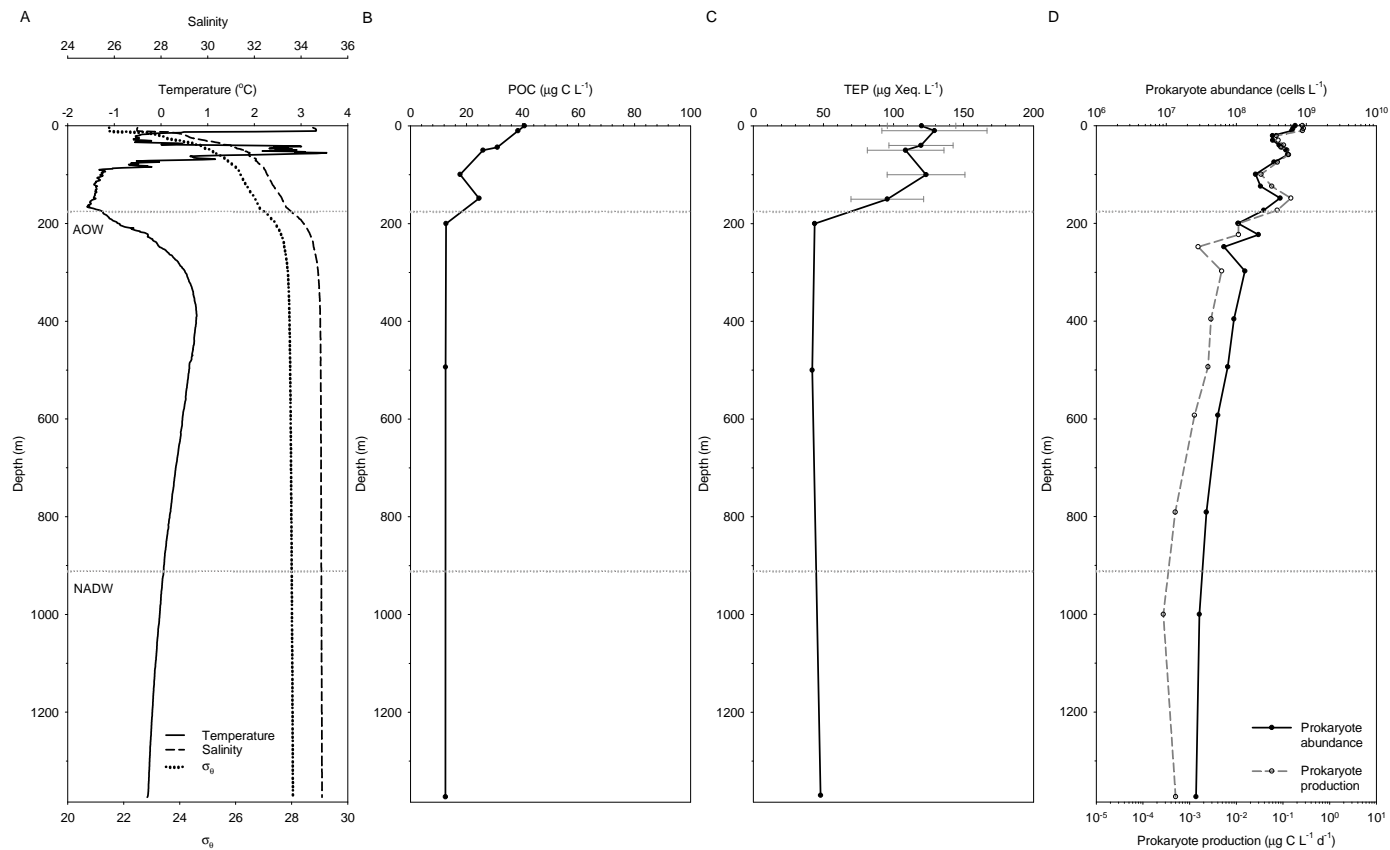


Figure S4. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA5 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

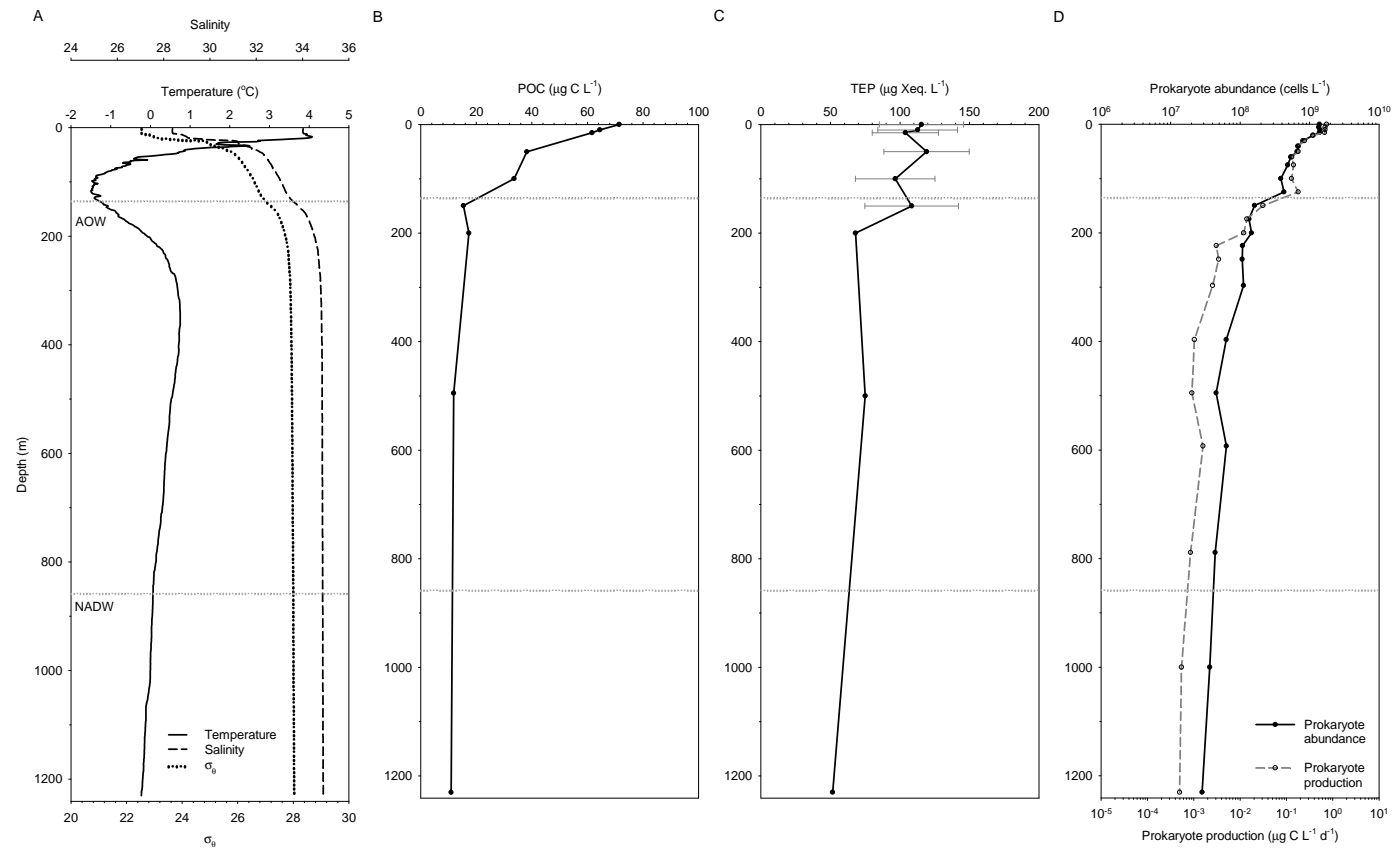


Figure S5. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA6 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

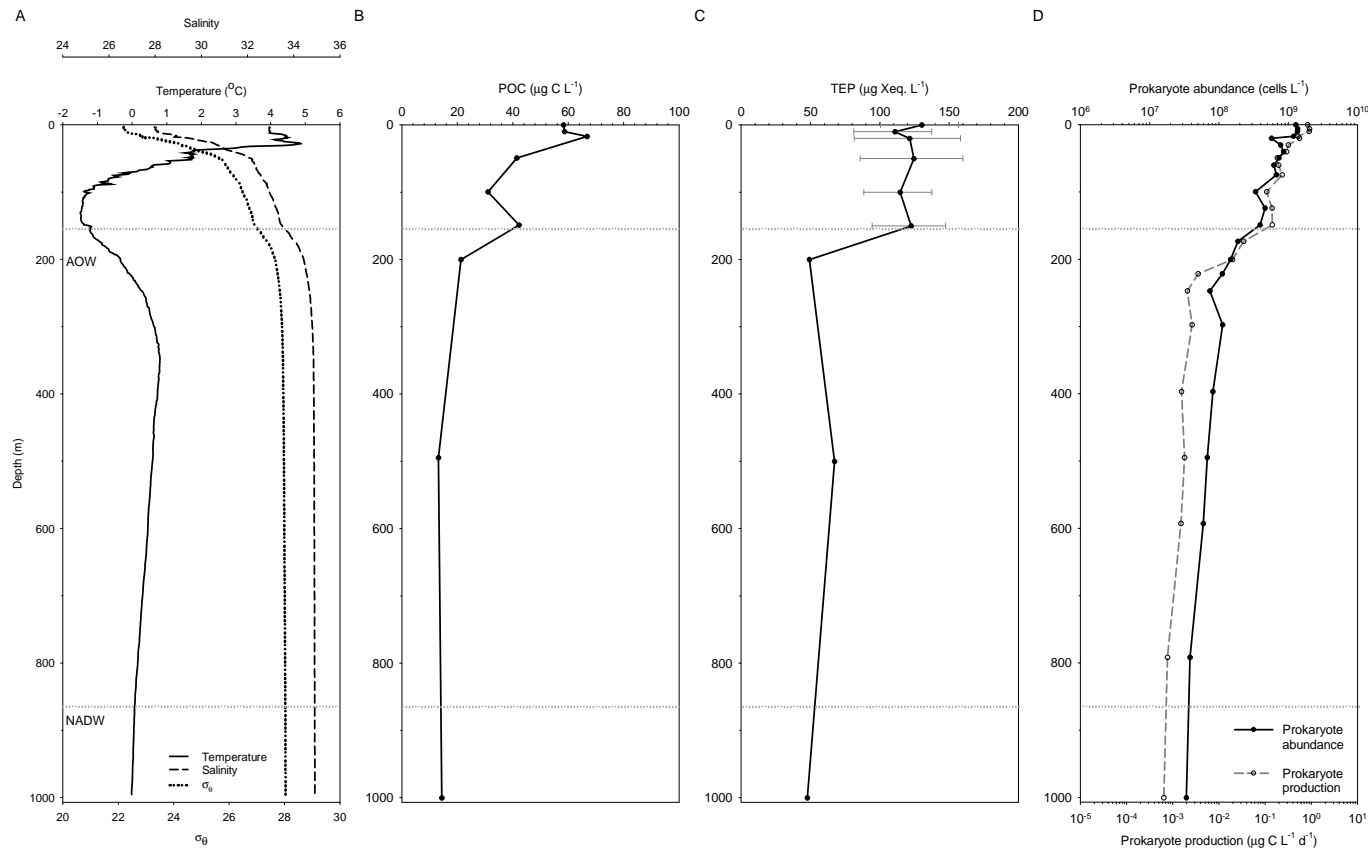


Figure S6. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA7 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

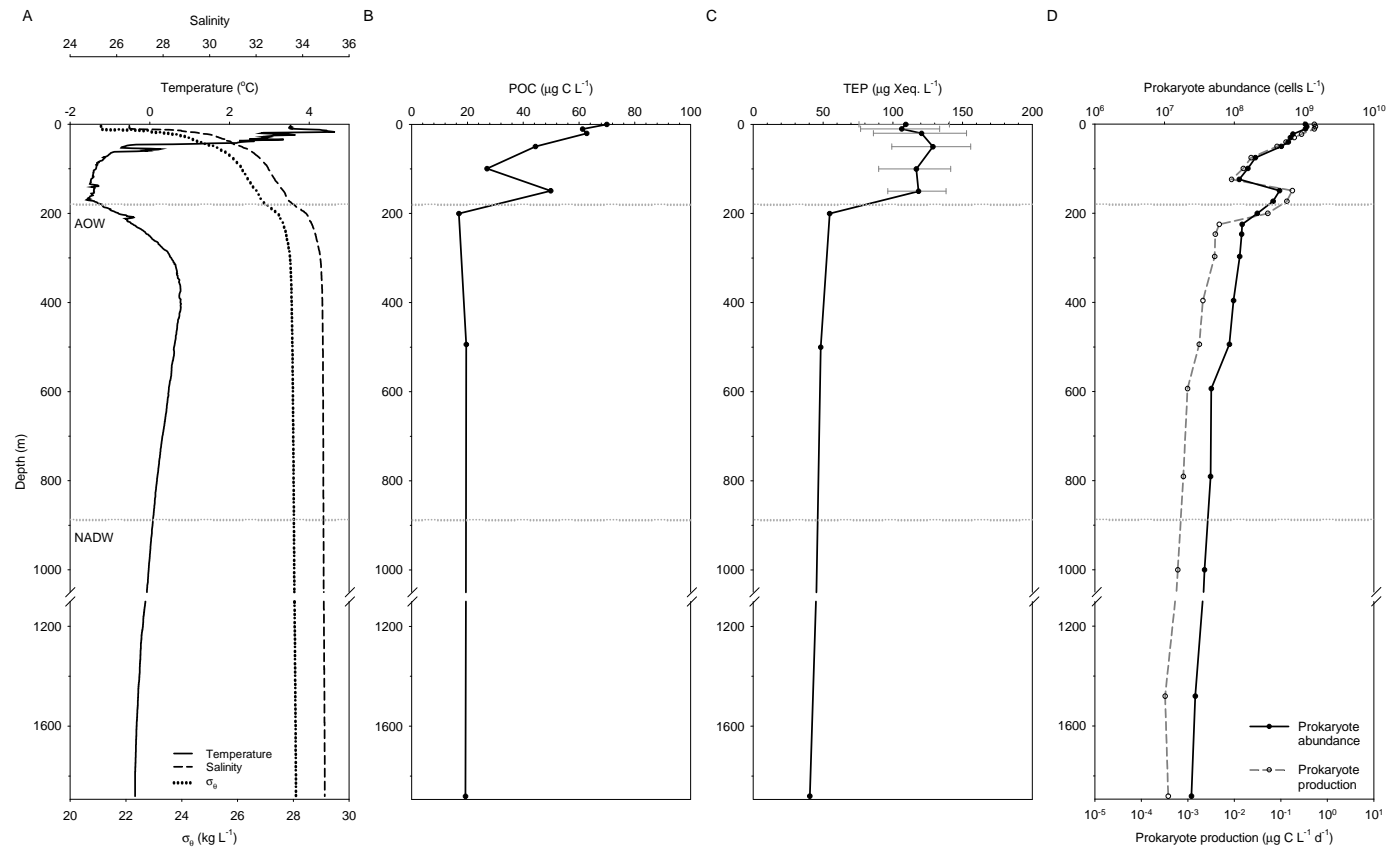


Figure S7. Vertical distributions of (A) salinity, temperature and potential density, (B) particulate organic carbon (POC), (C) transparent exopolymer particles (TEP), and (D) prokaryotic abundance and prokaryotic production at Sta. WA8 in the western Arctic Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the Atlantic Ocean water: AOW; the North Atlantic deep water: NADW).

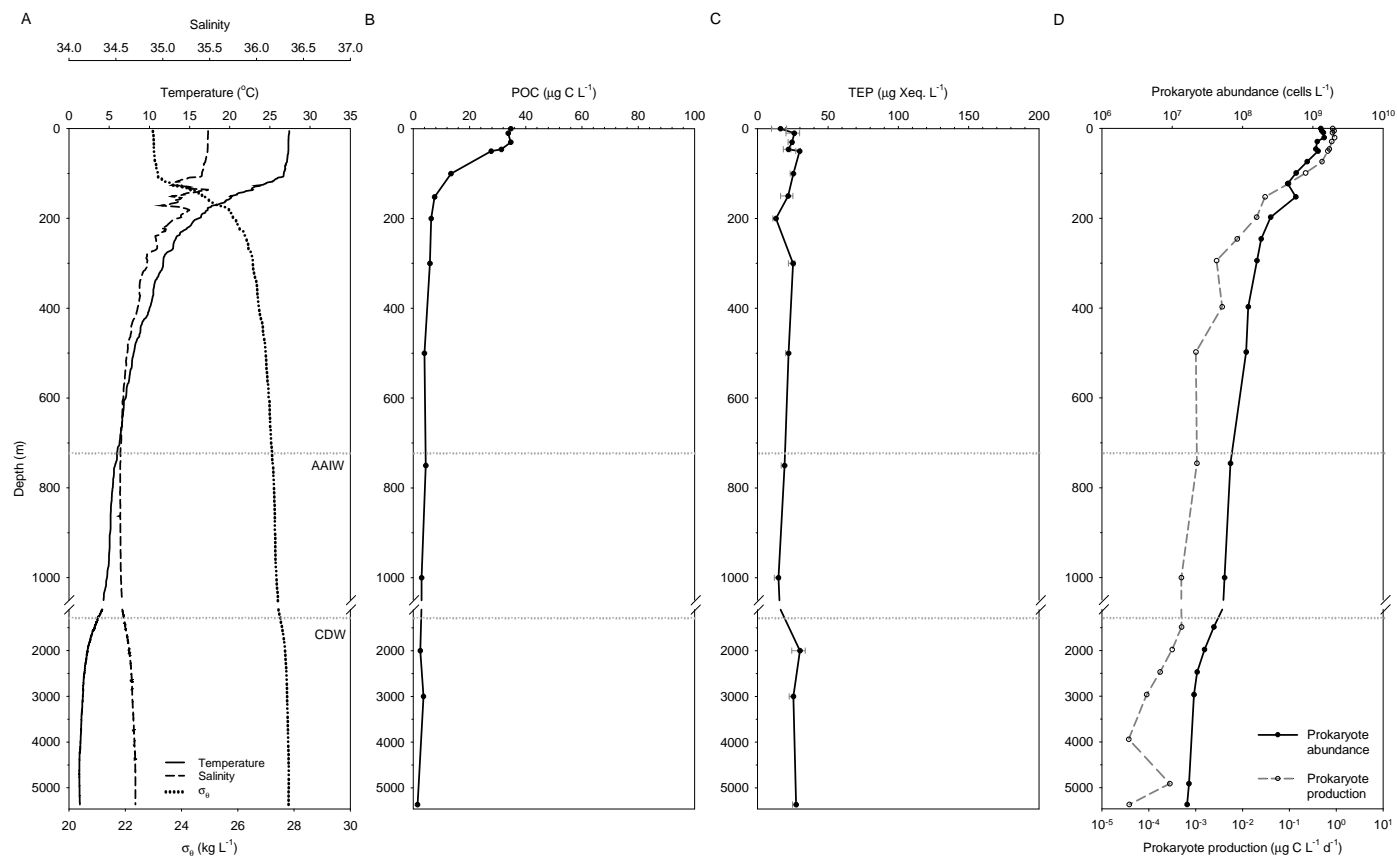


Figure S8. Vertical distributions of (A) salinity, temperature, and potential density; (B) particulate organic carbon (POC); (C) transparent exopolymer particles (TEP); and (D) prokaryotic abundance and prokaryotic production at Sta. CP2 in the Pacific Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the North Pacific Intermediate Water: NPIW; the North Pacific Deep Water: NPDW).

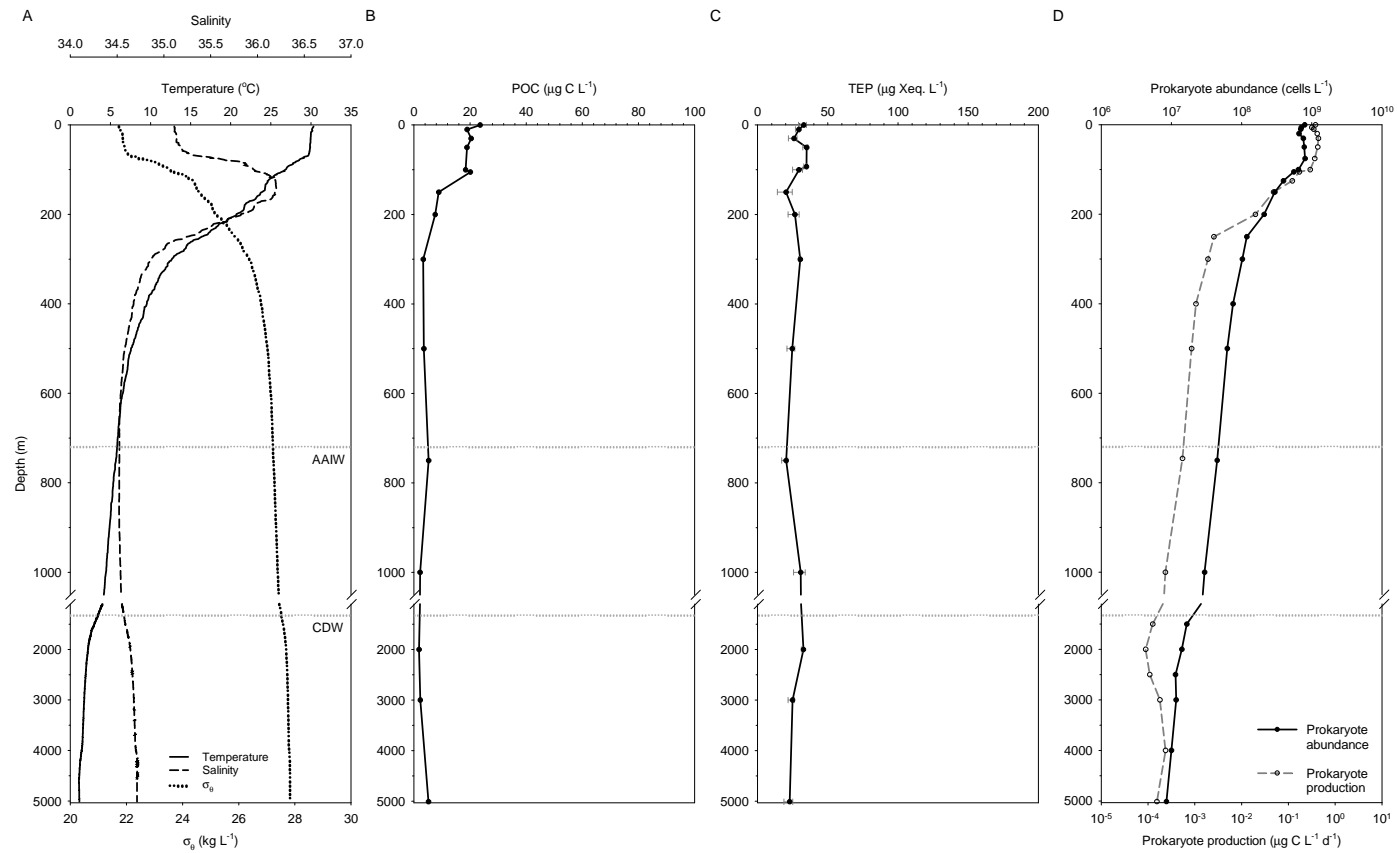


Figure S9. Vertical distributions of (A) salinity, temperature, and potential density; (B) particulate organic carbon (POC); (C) transparent exopolymer particles (TEP); and (D) prokaryotic abundance and prokaryotic production at Sta. CP3 in the Pacific Ocean. The error bars added to the TEP are standard deviations from three measurements. Dotted lines separate different water masses based on salinity, temperature and density (see text, the North Pacific Intermediate Water: NPIW; the North Pacific Deep Water: NPDW).