Appendix C
Figure C1: Observed and Simulated Average Surface Total Phosphorus Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.

Figure C2: Observed and Simulated Average Bottom Total Phosphorus Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.
Figure C3: Observed and Simulated Average Surface Total Phosphorus Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.

Figure C4: Observed and Simulated Average Bottom Total Phosphorus Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.
Figure C5: Observed and Simulated Average Surface Ammonia Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.

Figure C6: Observed and Simulated Average Bottom Ammonia Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.
Figure C7: Observed and Simulated Average Surface Ammonia Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.

Figure C8: Observed and Simulated Average Bottom Ammonia Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.
**Figure C9:** Observed and Simulated Average Surface Nitrate Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.

**Figure C10:** Observed and Simulated Average Bottom Nitrate Concentrations, Middle Station, Calibration Scenario, Prettyboy Reservoir.
Figure C11: Observed and Simulated Average Surface Nitrate Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.

Figure C12: Observed and Simulated Average Bottom Nitrate Concentrations, Lower Station, Calibration Scenario, Prettyboy Reservoir.
**Figure C13:** Observed and Simulated Total Average Surface Phosphorus Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.

**Figure C14:** Observed and Simulated Total Average Bottom Phosphorus Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.
Figure C15: Observed and Simulated Total Average Surface Phosphorus Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.

Figure C16: Observed and Simulated Total Average Bottom Phosphorus Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.
Figure C17: Observed and Simulated Total Average Surface Phosphorus Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.

Figure C18: Observed and Simulated Total Average Bottom Phosphorus Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.
Figure C19: Observed and Simulated Average Surface Ammonia Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.

Figure C20: Observed and Simulated Average Bottom Ammonia Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.
Figure C21: Observed and Simulated Average Surface Ammonia Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.

Figure C22: Observed and Simulated Average Bottom Ammonia Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.
Figure C23: Observed and Simulated Average Surface Ammonia Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.

Figure C24: Observed and Simulated Average Bottom Ammonia Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.
Figure C25: Observed and Simulated Average Surface Nitrate Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.

Figure C26: Observed and Simulated Average Bottom Nitrate Concentrations, Upper Station, Calibration Scenario, Loch Raven Reservoir.
Figure C27: Observed and Simulated Average Surface Nitrate Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.

Figure C28: Observed and Simulated Average Bottom Nitrate Concentrations, Middle Station, Calibration Scenario, Loch Raven Reservoir.
Figure C29: Observed and Simulated Average Surface Nitrate Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.

Figure C30: Observed and Simulated Average Bottom Nitrate Concentrations, Lower Station, Calibration Scenario, Loch Raven Reservoir.