

**CITY OF LANCASTER, OHIO
UPPER HOCKING RIVER
WATER QUALITY MONITORING AND QUAL2K MODELING**

**Appendix M
7Q10 Summer Simulation Results**

1. Figure M.1a – 7Q10 Summer Simulation Results – Travel Time
2. Figure M.1b – 7Q10 Summer Simulation Results – Flow
3. Figure M.1c – 7Q10 Summer Simulation Results – Velocity
4. Figure M.1d – 7Q10 Summer Simulation Results – Depth
5. Figure M.1e – 7Q10 Summer Simulation Results – Temperature
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Figure M.1a
7Q10 Summer Simulation Results
Travel Time

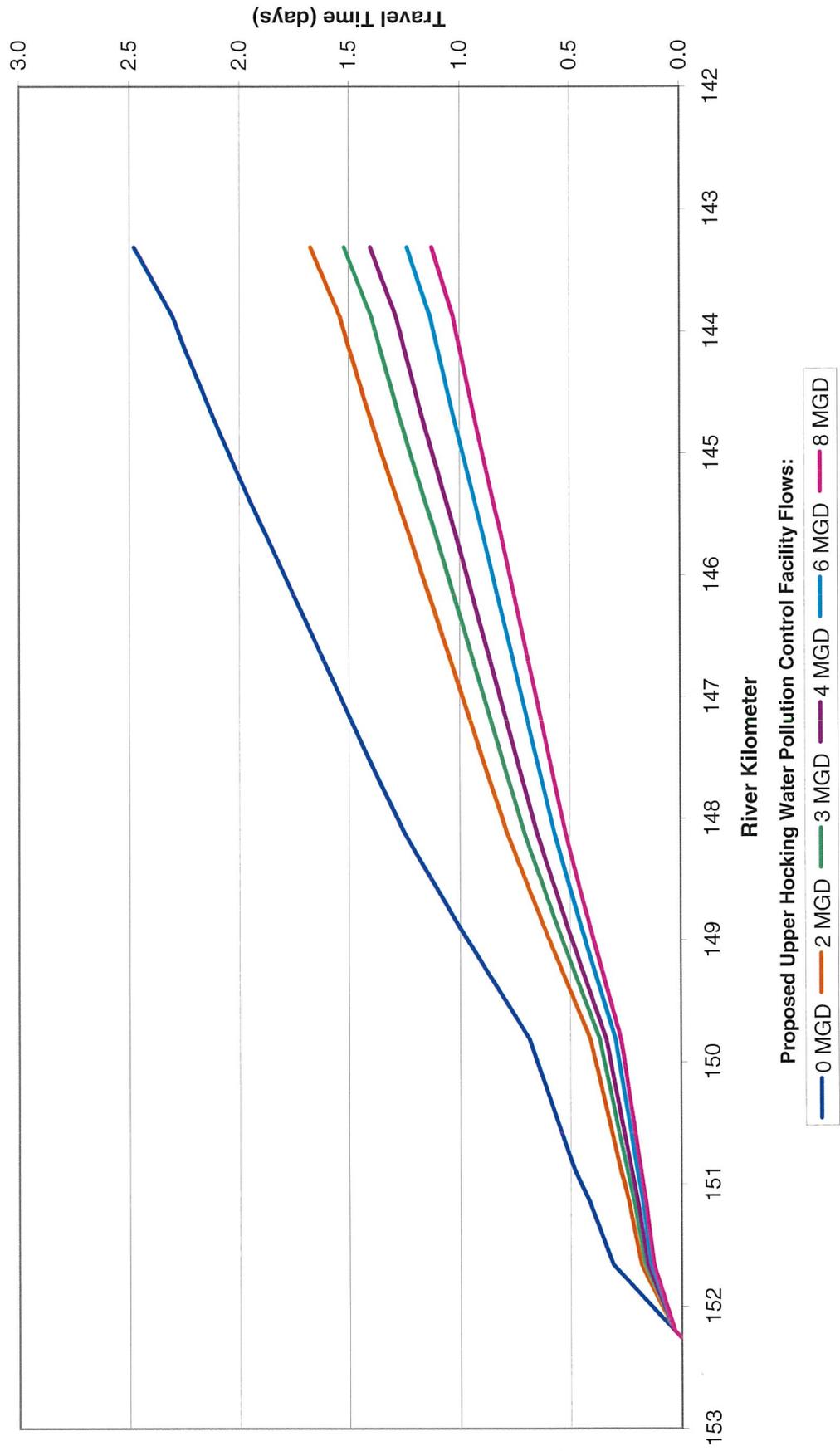


Figure M.1b
7Q10 Summer Simulation Results
Flow

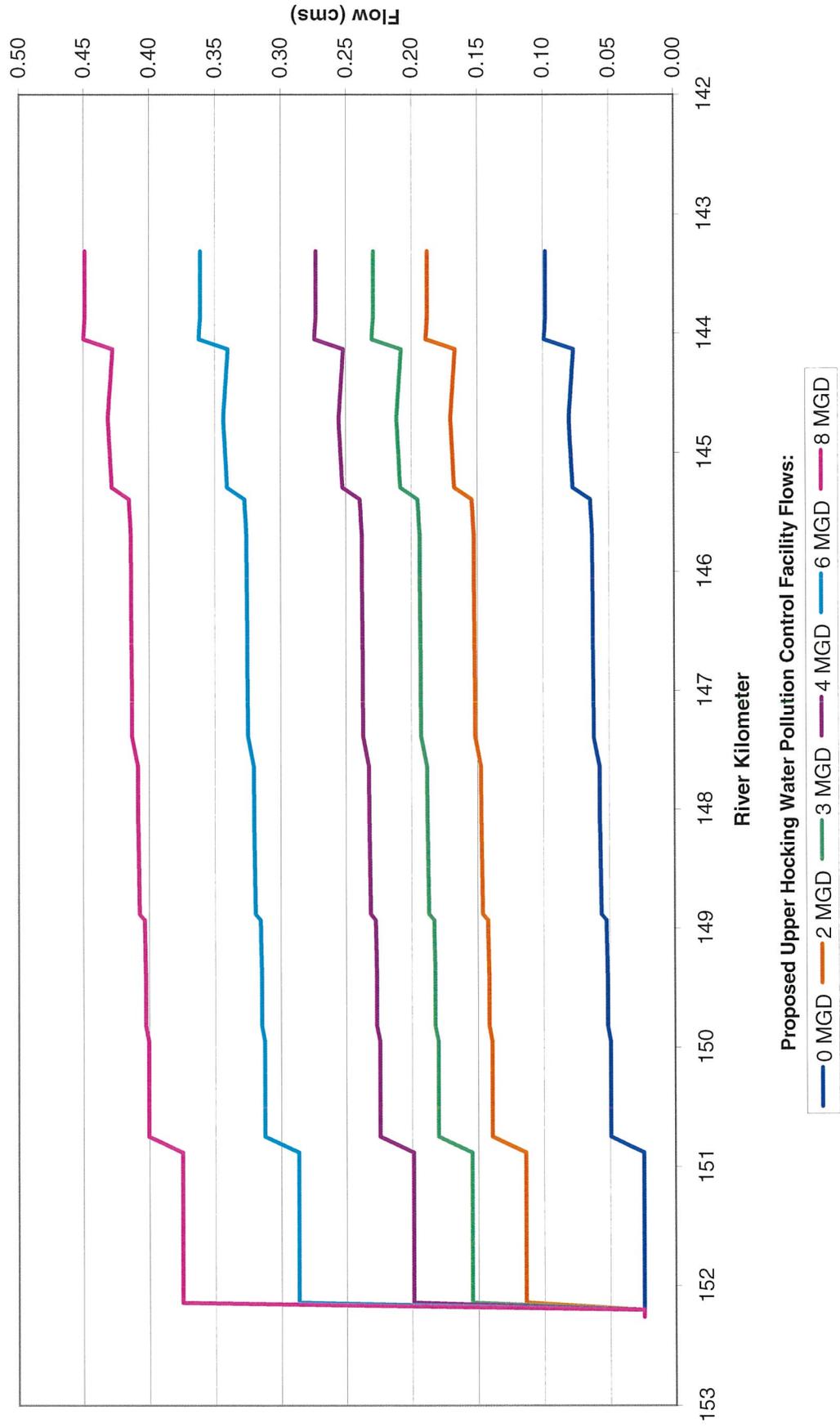


Figure M.1c
7Q10 Summer Simulation Results
Velocity

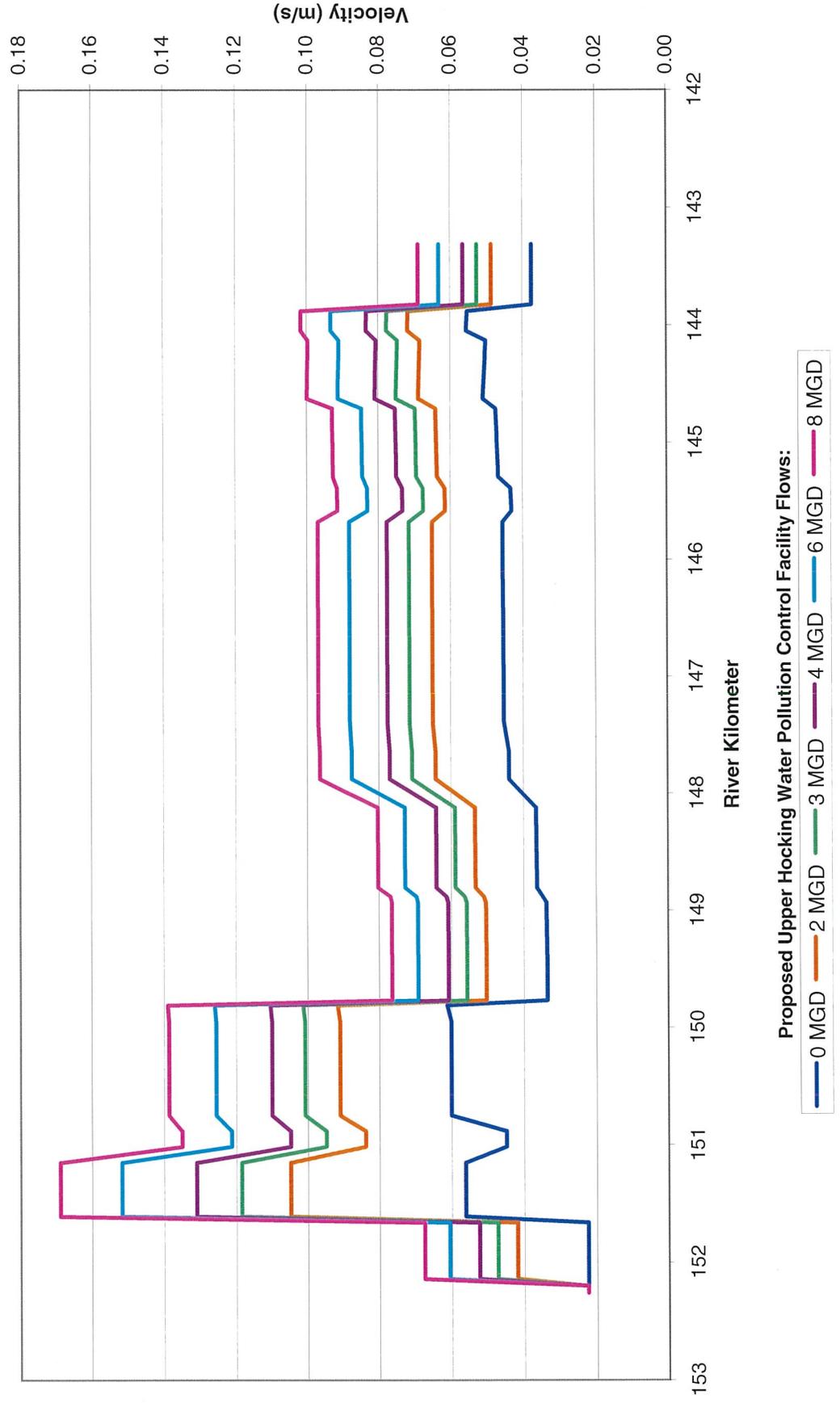


Figure M.1d
7Q10 Summer Simulation Results
Depth

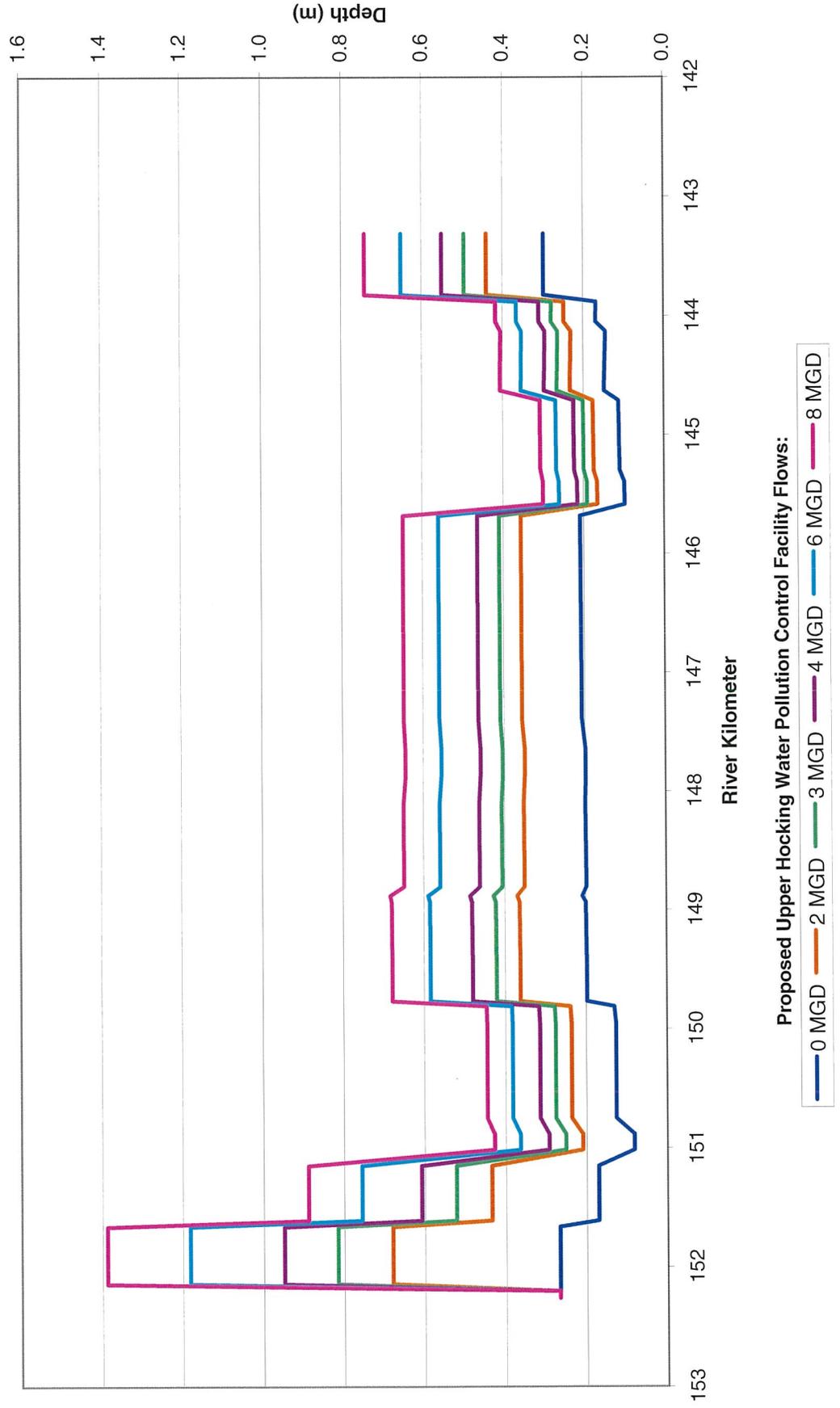


Figure M.1e
7Q10 Summer Simulation Results
Temperature

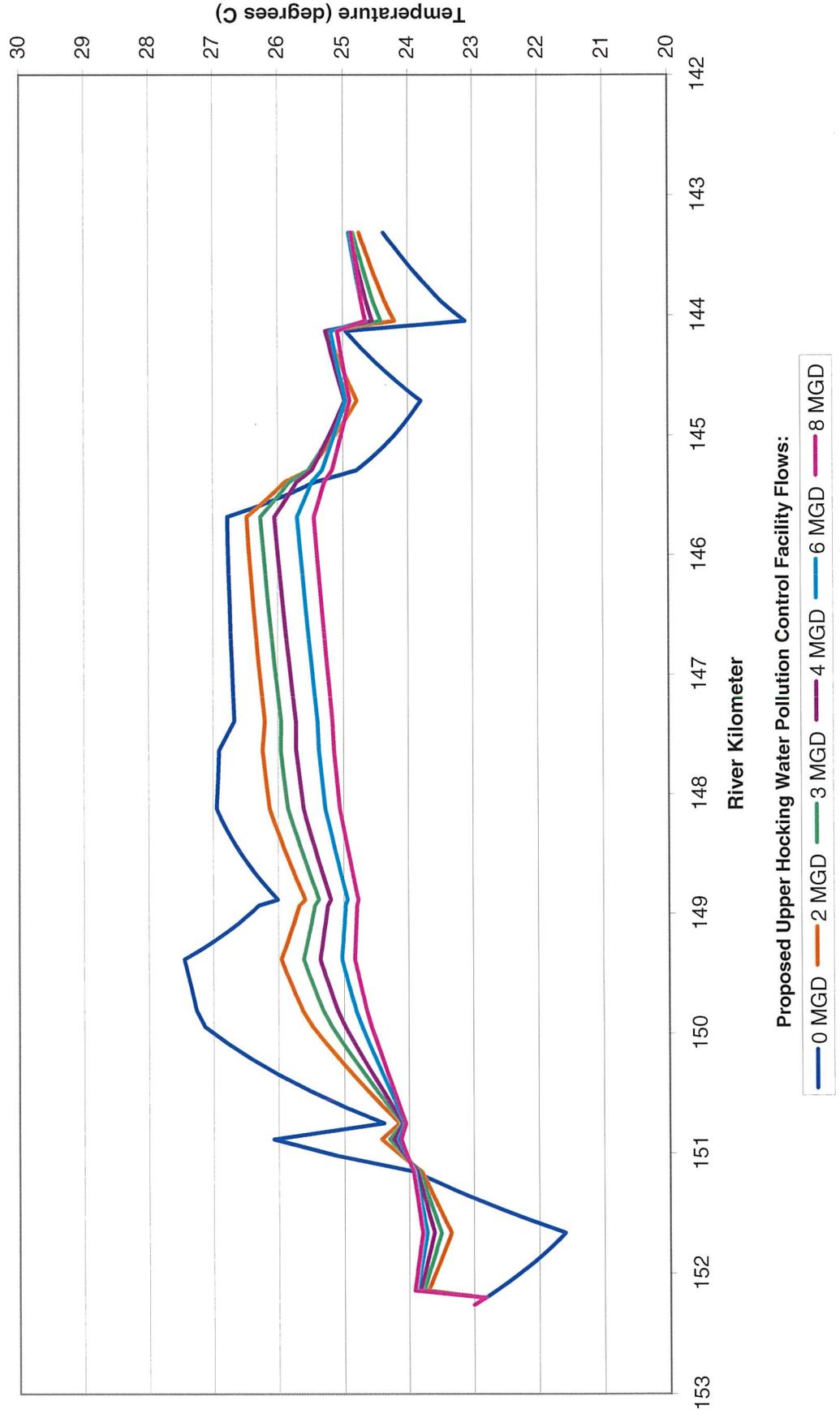


Figure M.1f
7Q10 Summer Simulation Results
CBOD_u

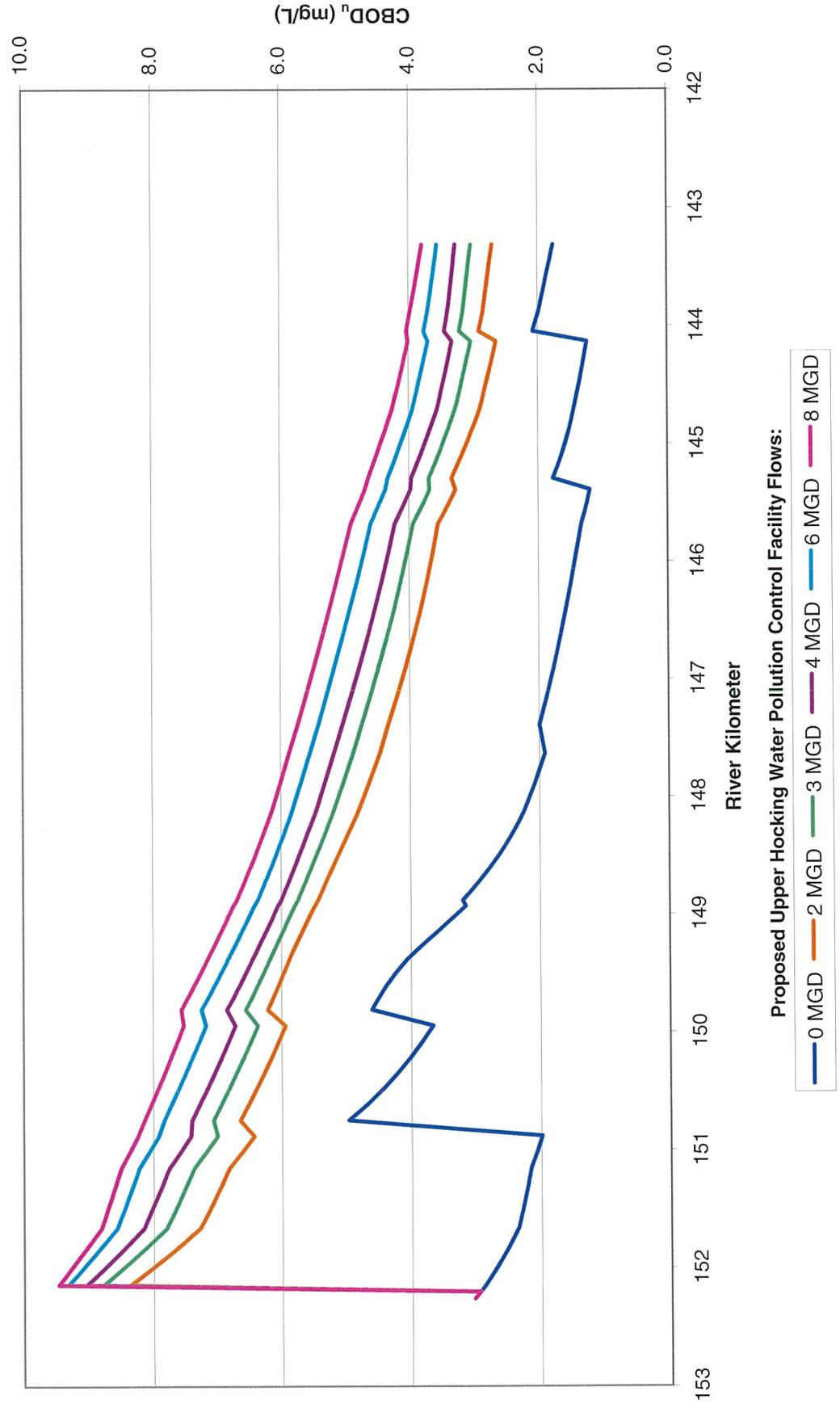


Figure M.1g
7Q10 Summer Simulation Results
Dissolved Oxygen

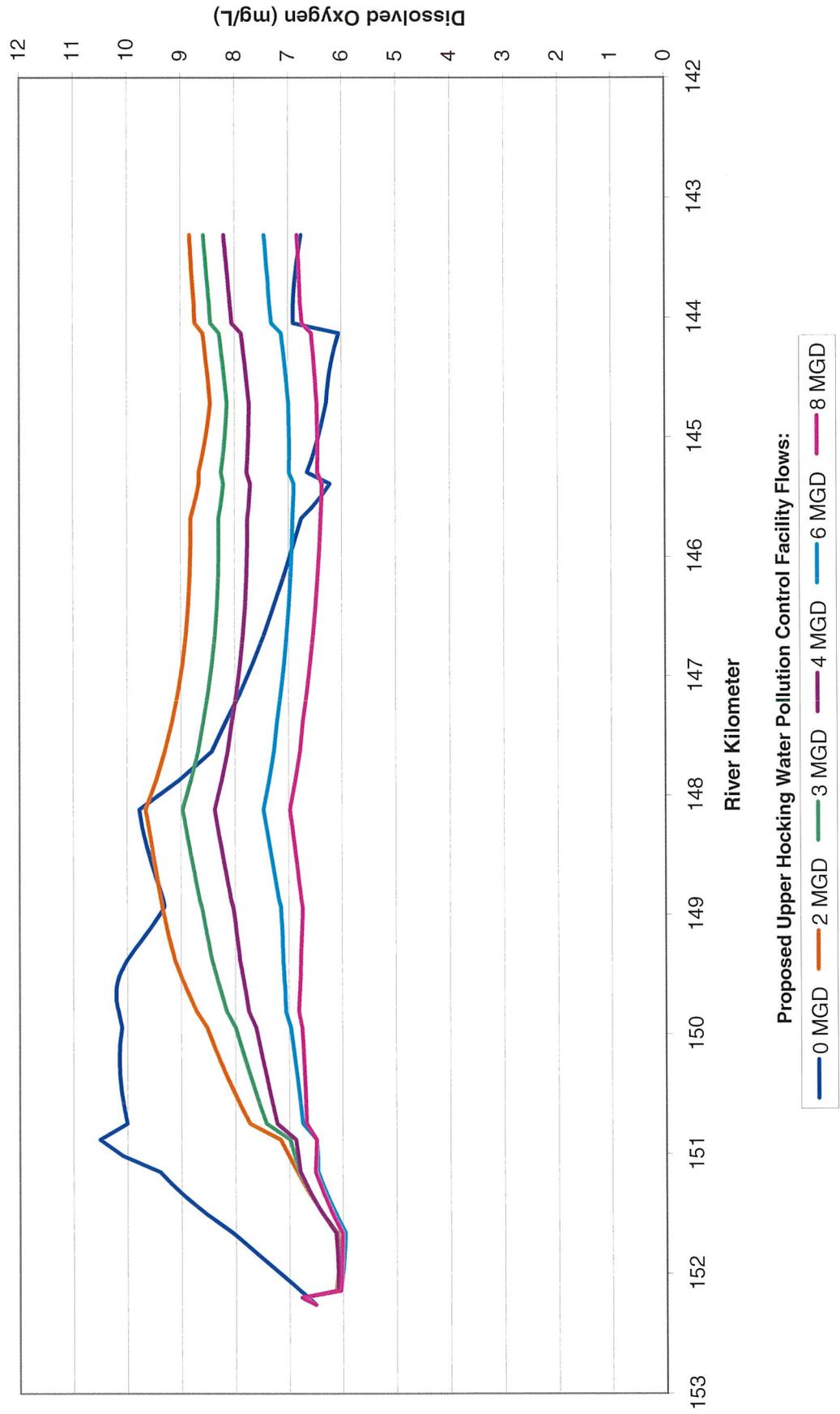


Figure M.1h
7Q10 Summer Simulation Results
Organic Nitrogen

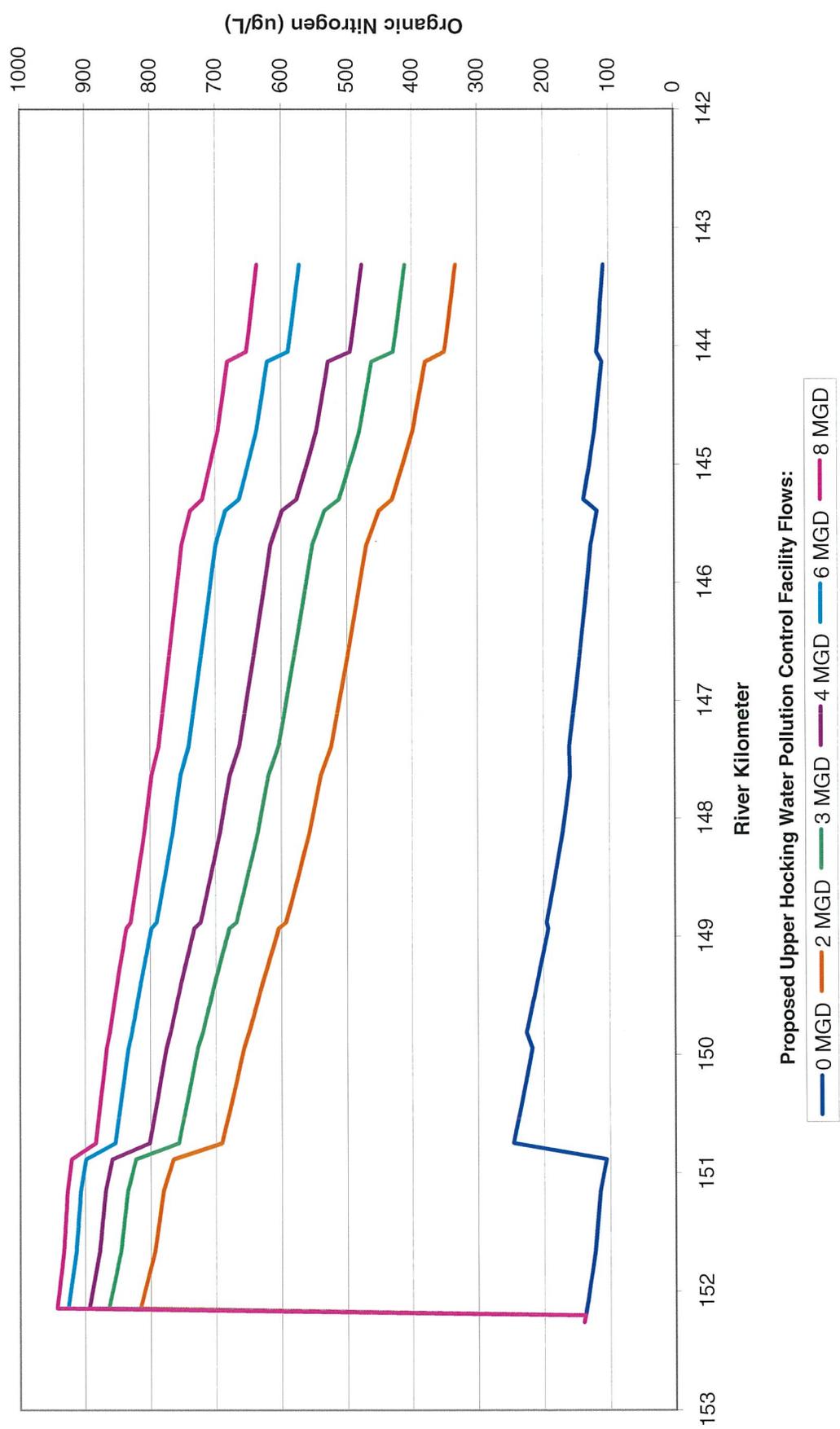


Figure M.1i
7Q10 Summer Simulation Results
Nitrate

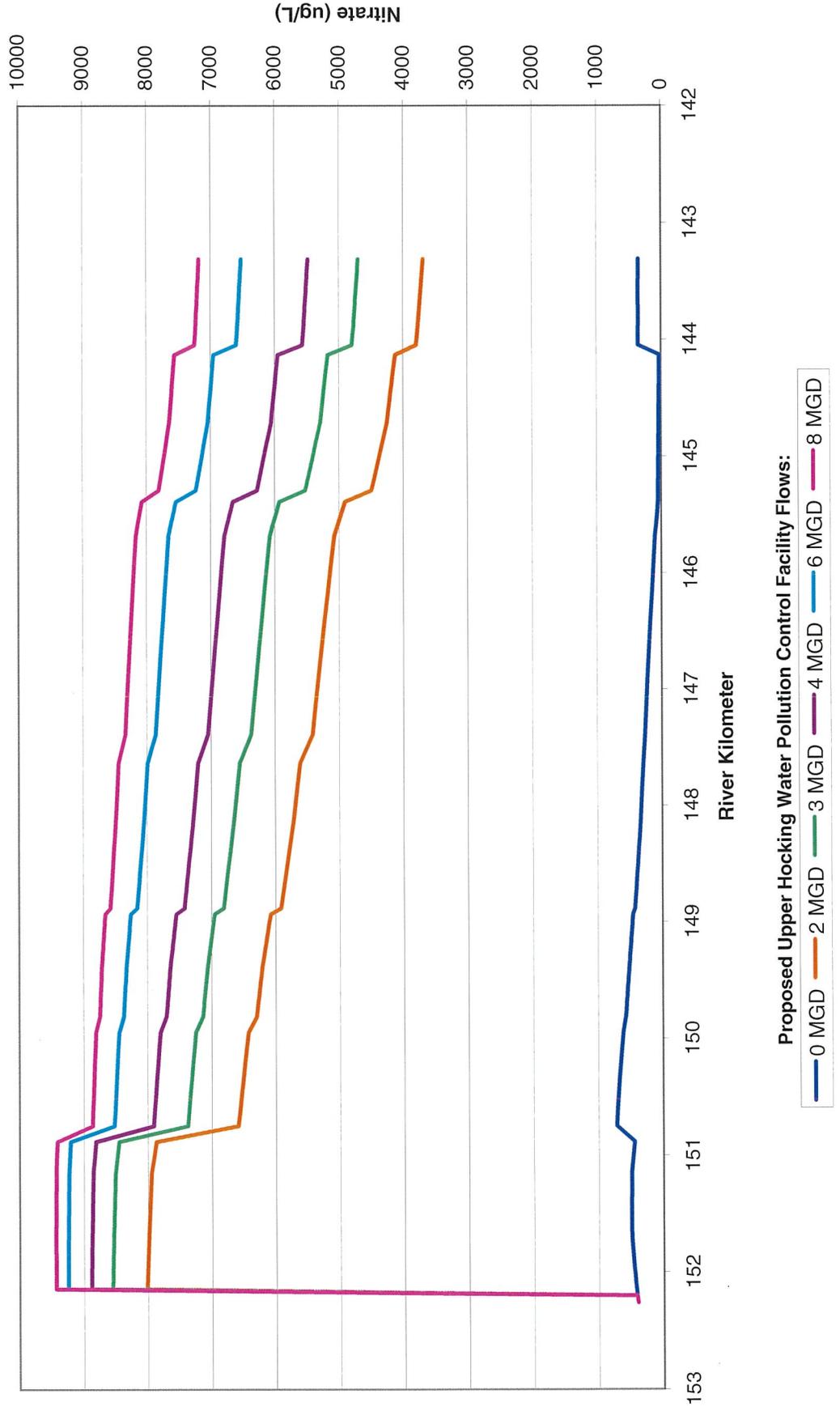


Figure M.1k
7Q10 Summer Simulation Results
Organic Phosphorus

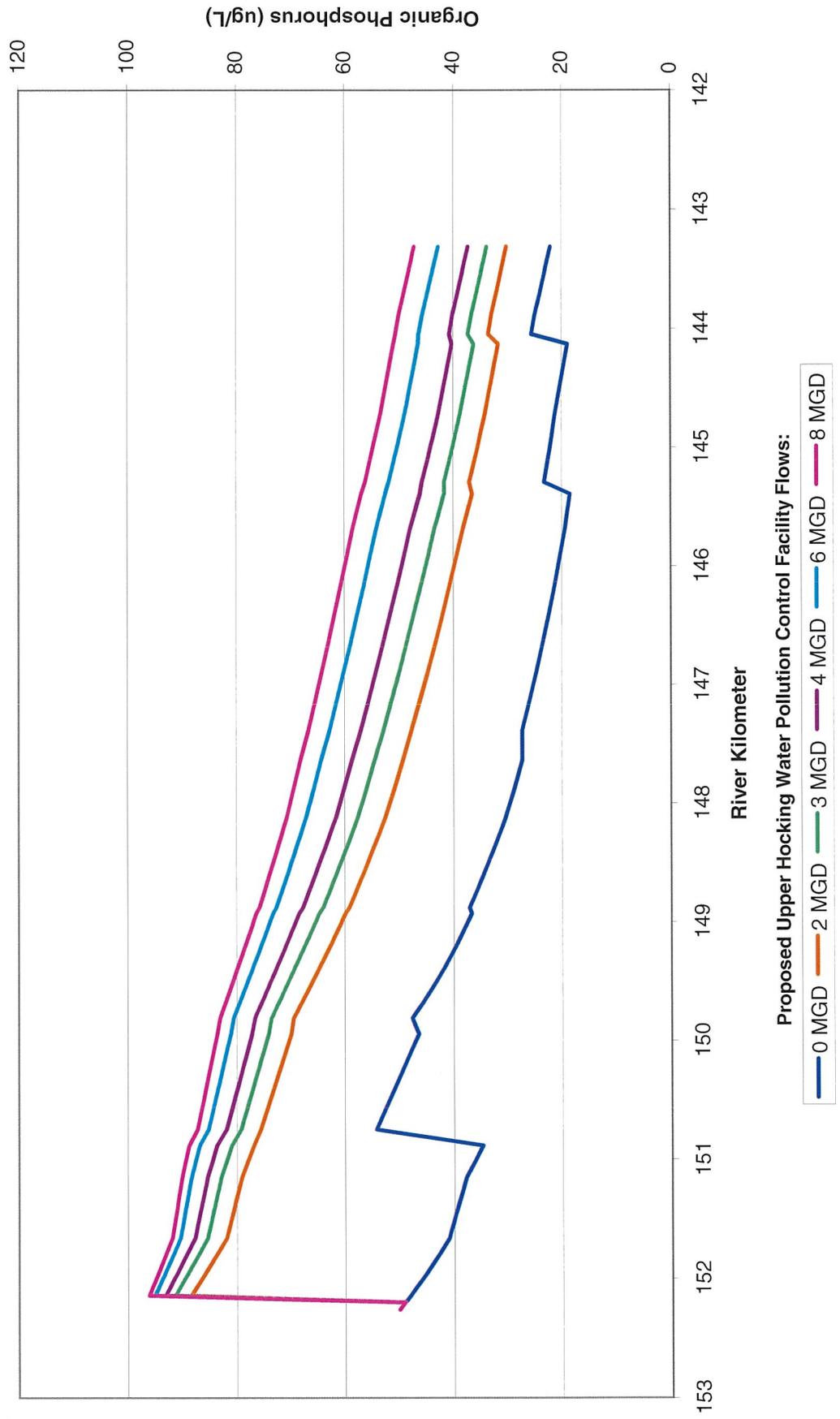


Figure M.11
7Q10 Summer Simulation Results
Inorganic Phosphorus

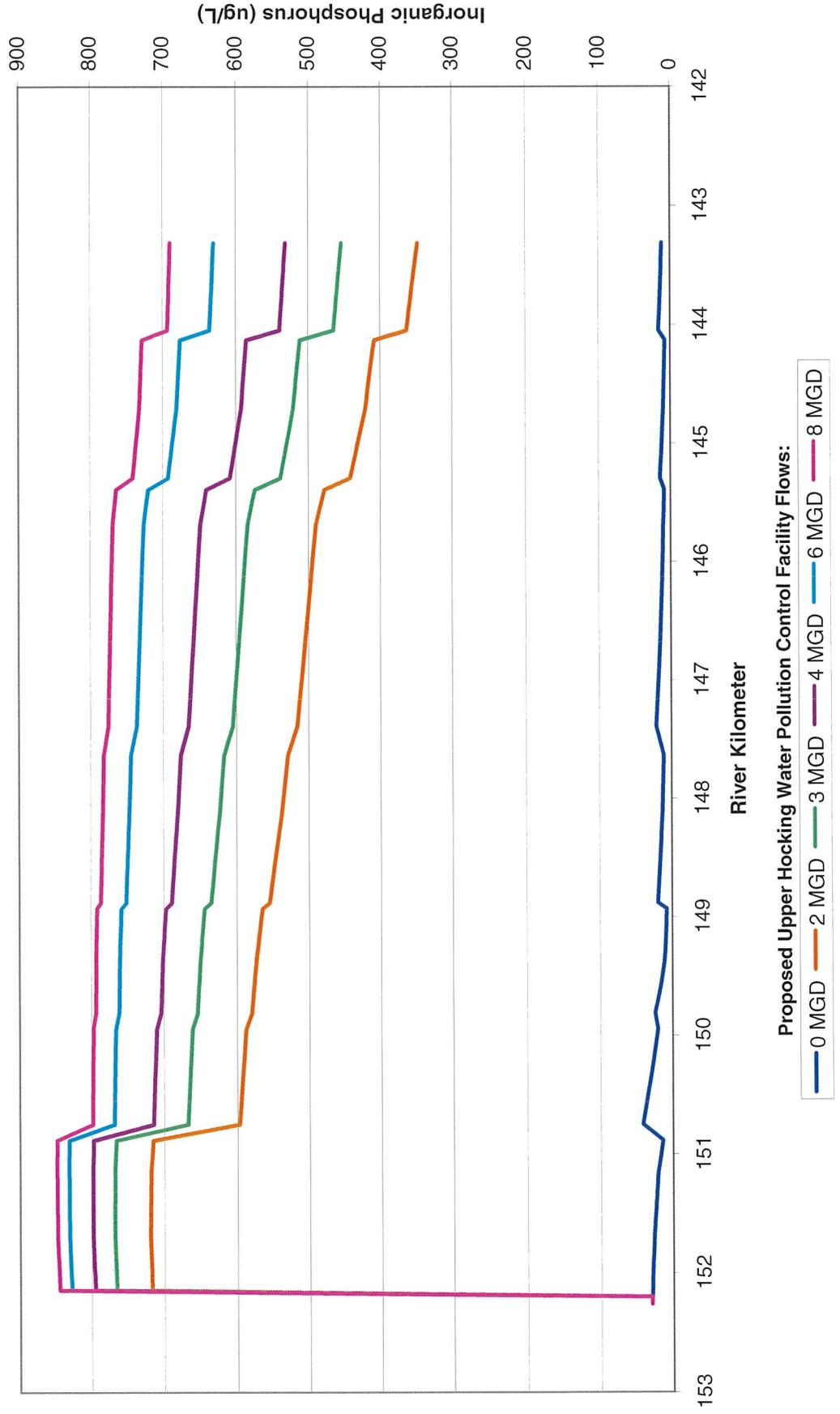


Figure M.1m
7Q10 Summer Simulation Results
Total Phosphorus

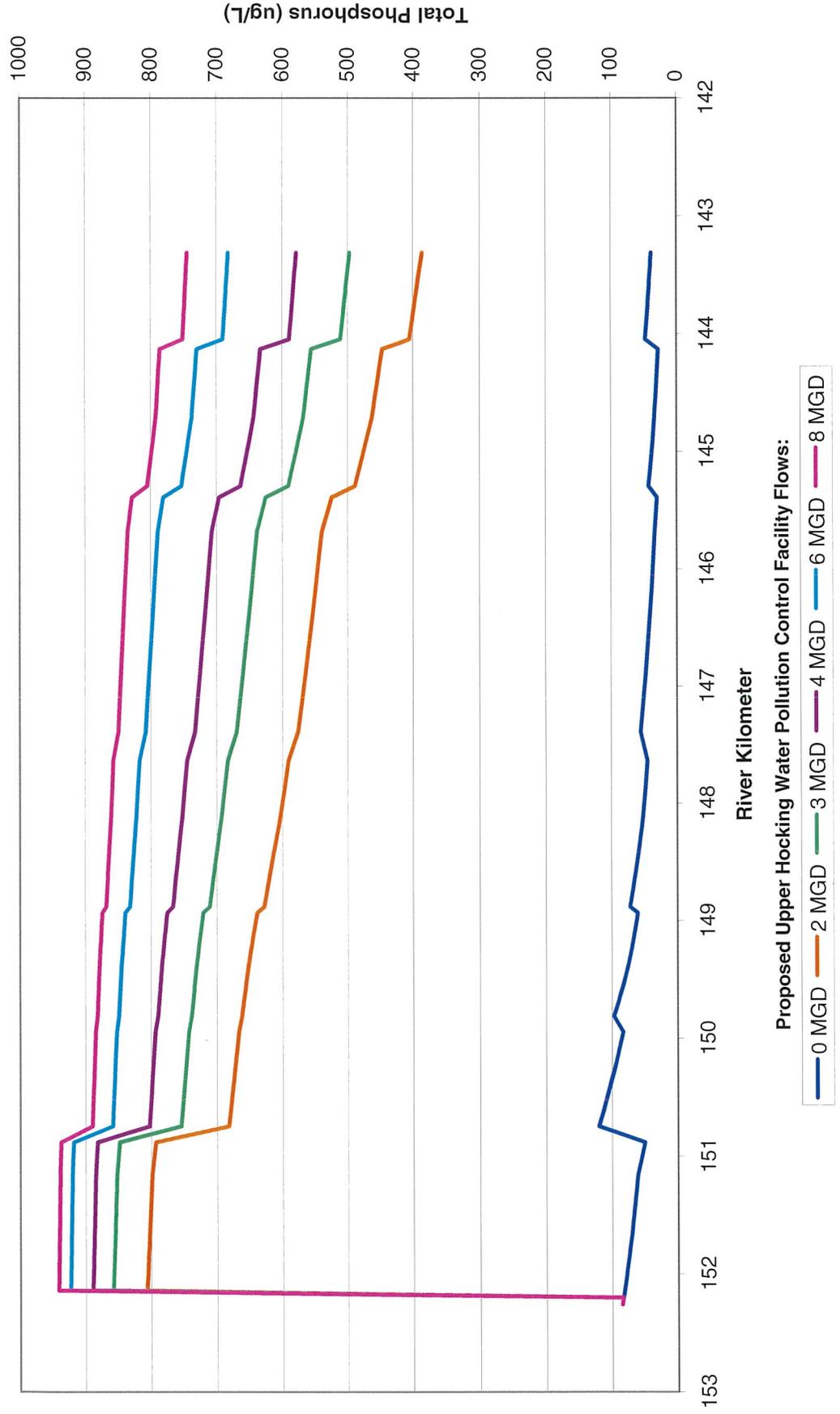


Figure M.1n
7Q10 Summer Simulation Results
Suspended Algae

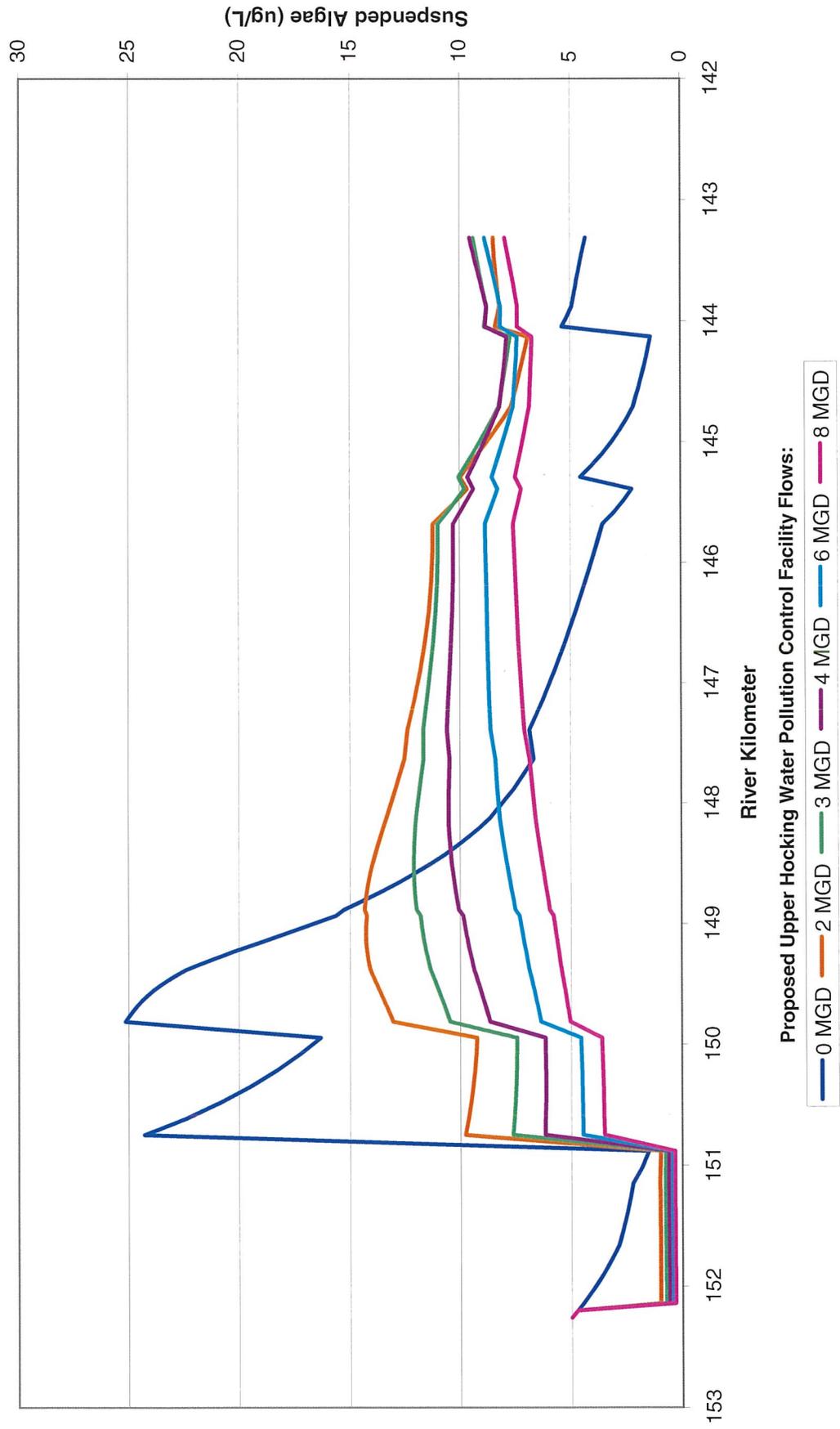


Figure M.1o
7Q10 Summer Simulation Results
Benthic Algae

