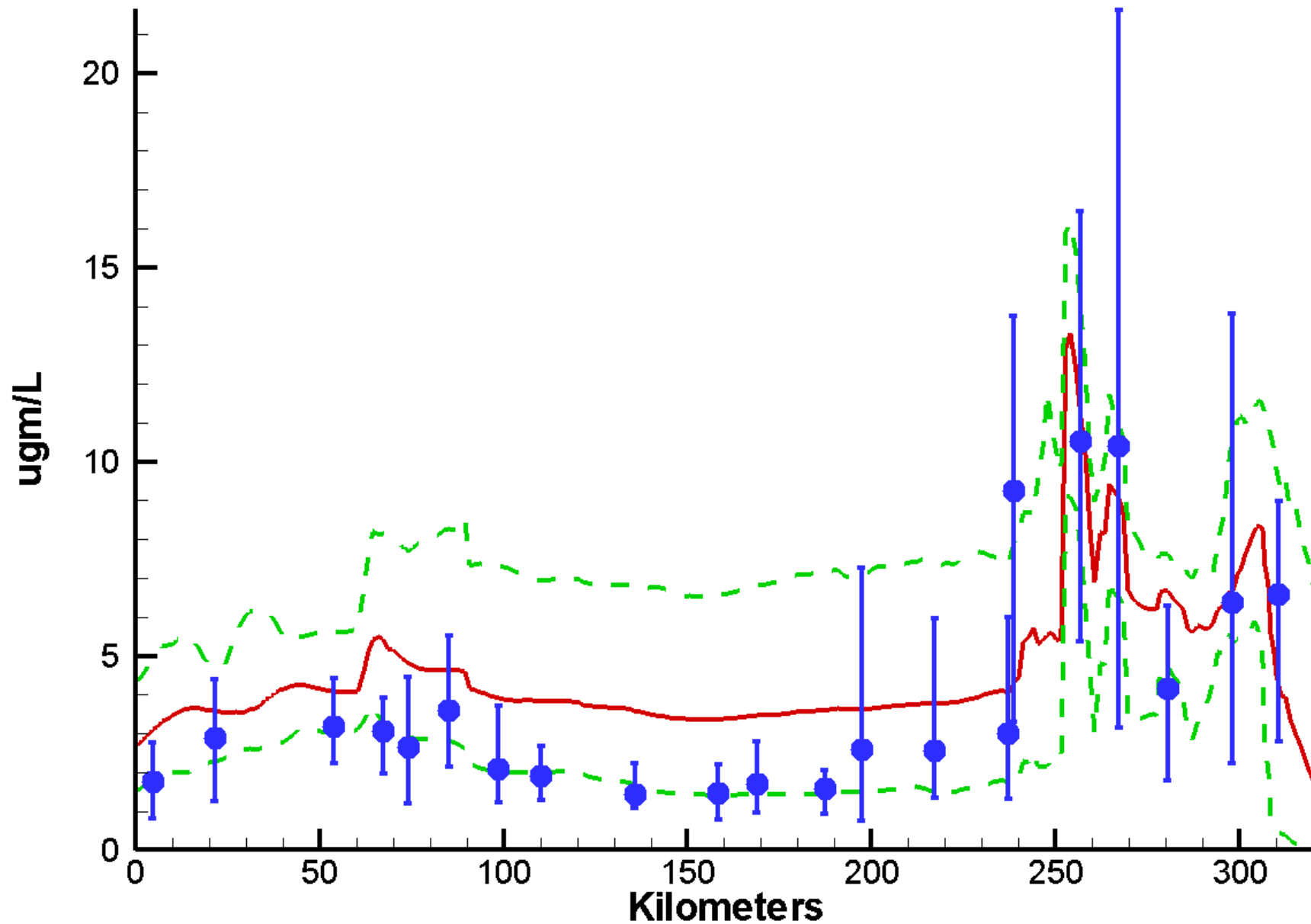


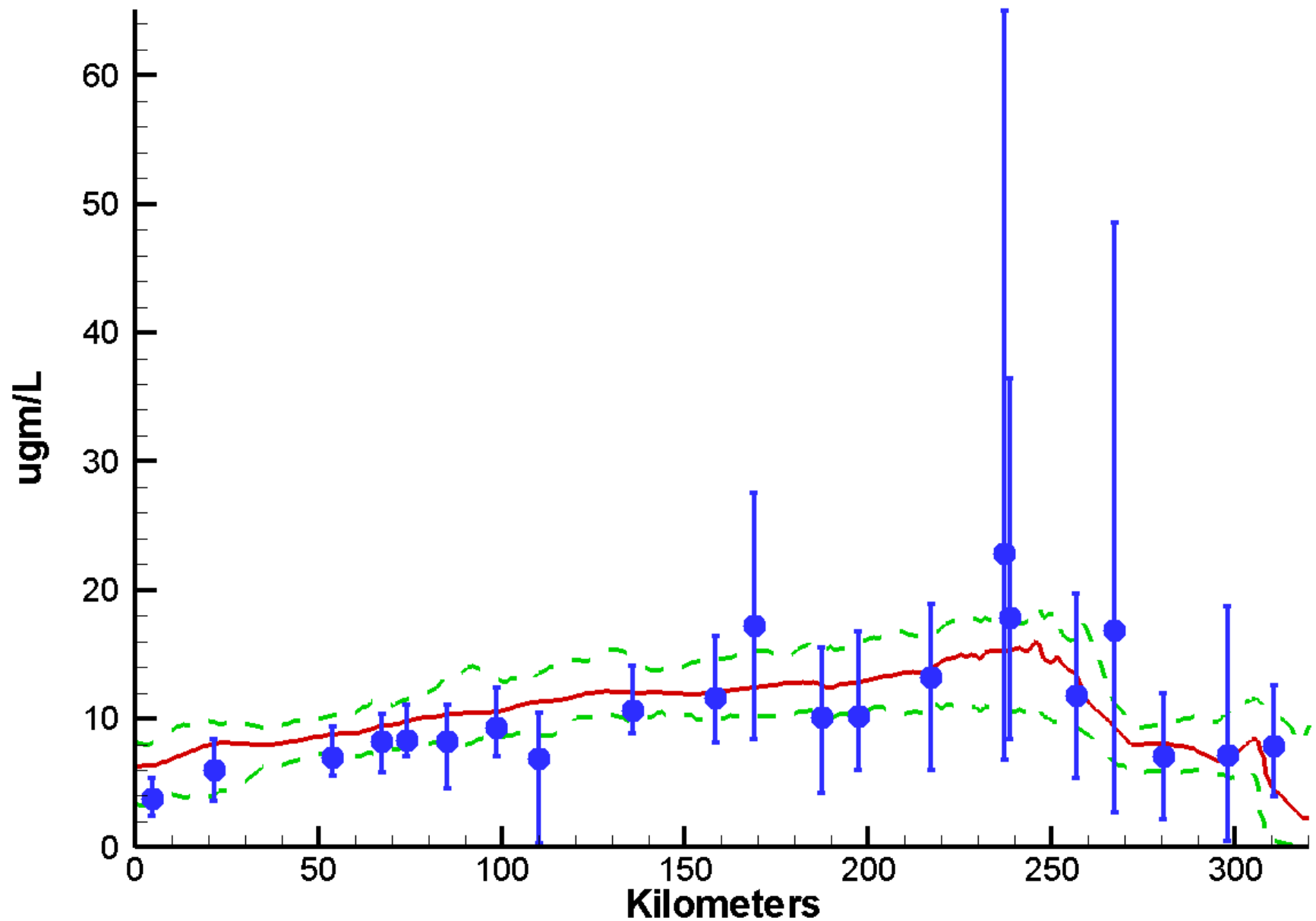
# Mainstem Bay 2002-2011 Run59

## Bottom Chlorophyll Summer 2007



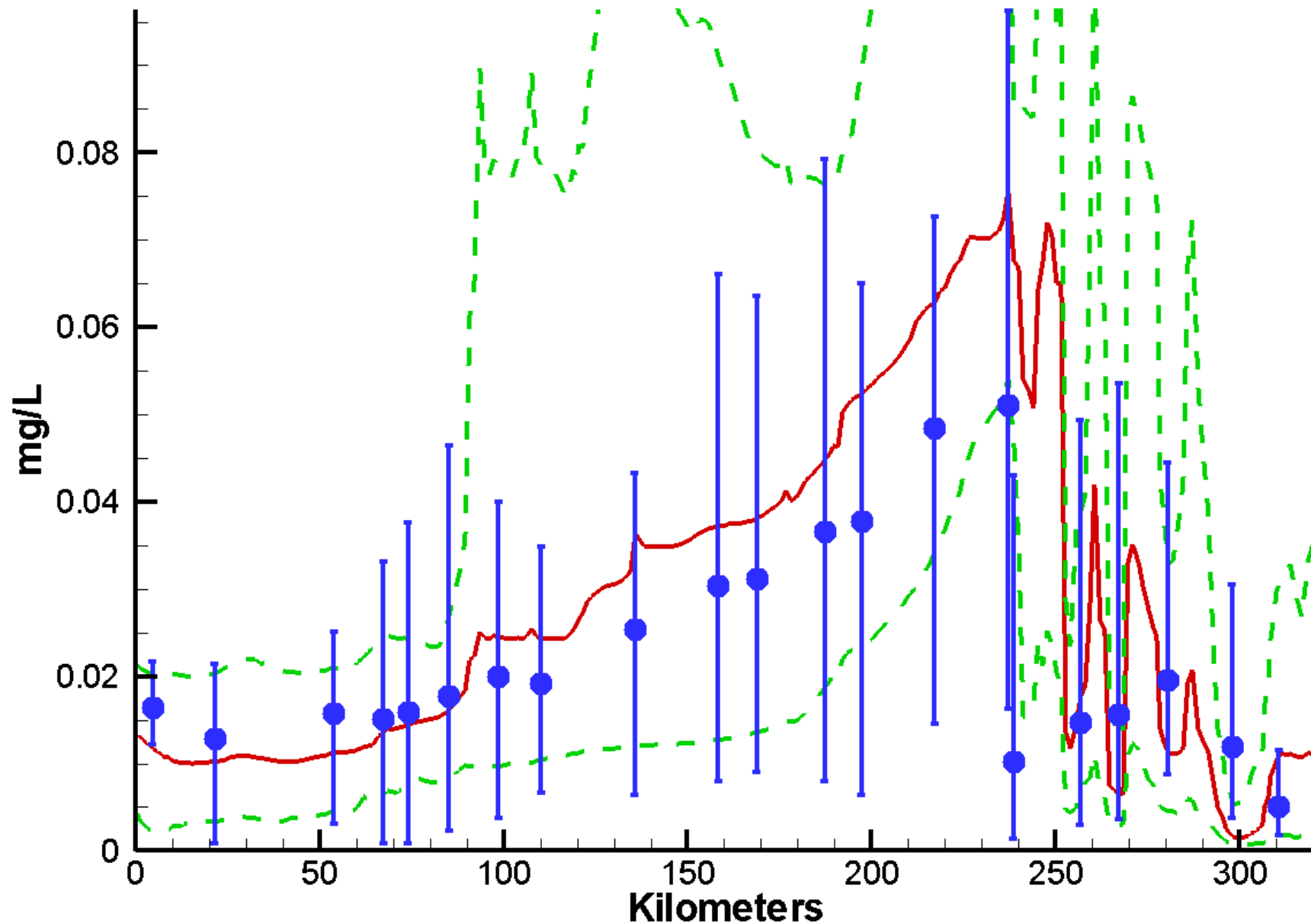
# Mainstem Bay 2002-2011 Run59

## Surface Chlorophyll Summer 2007



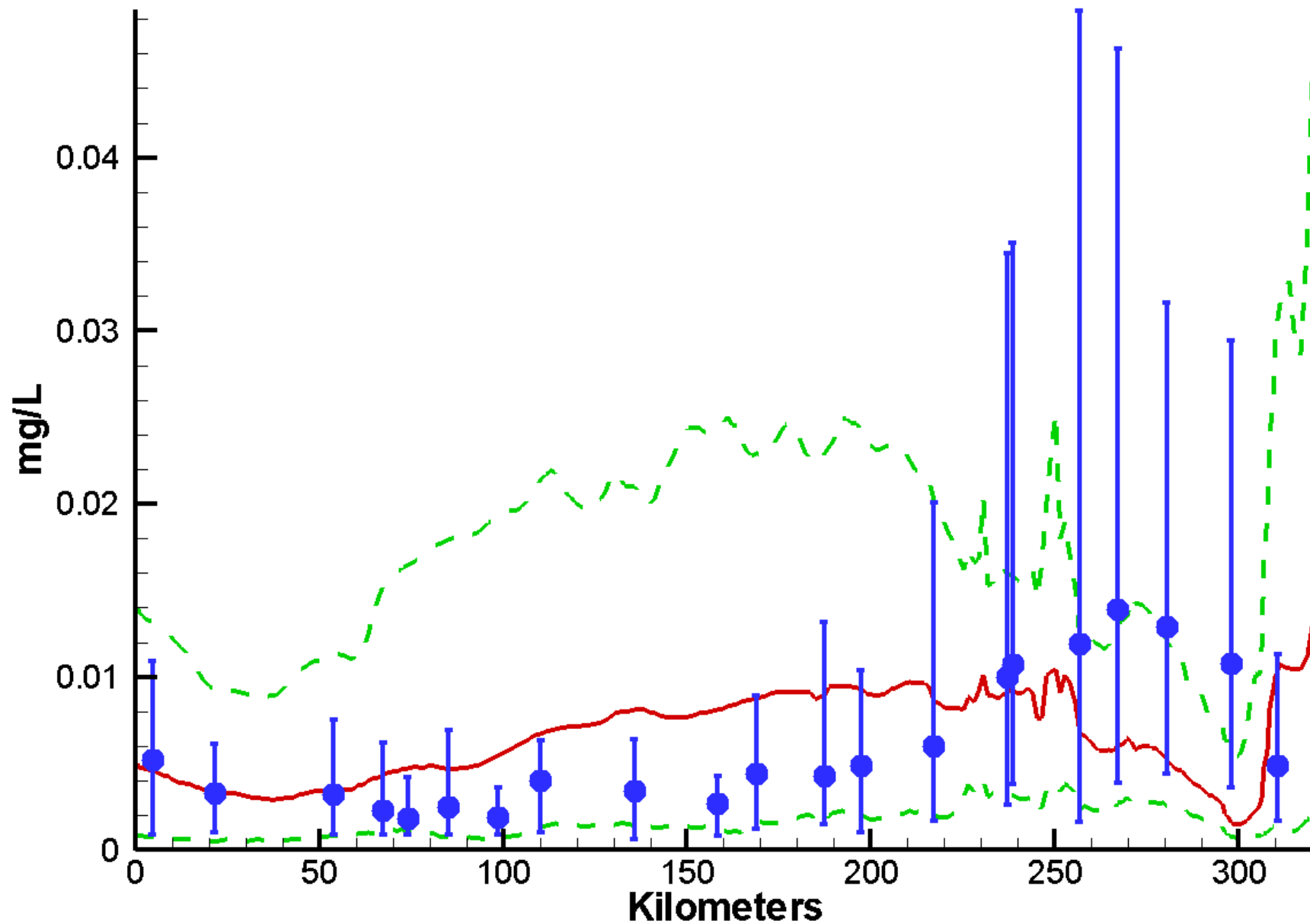
# Mainstem Bay 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007



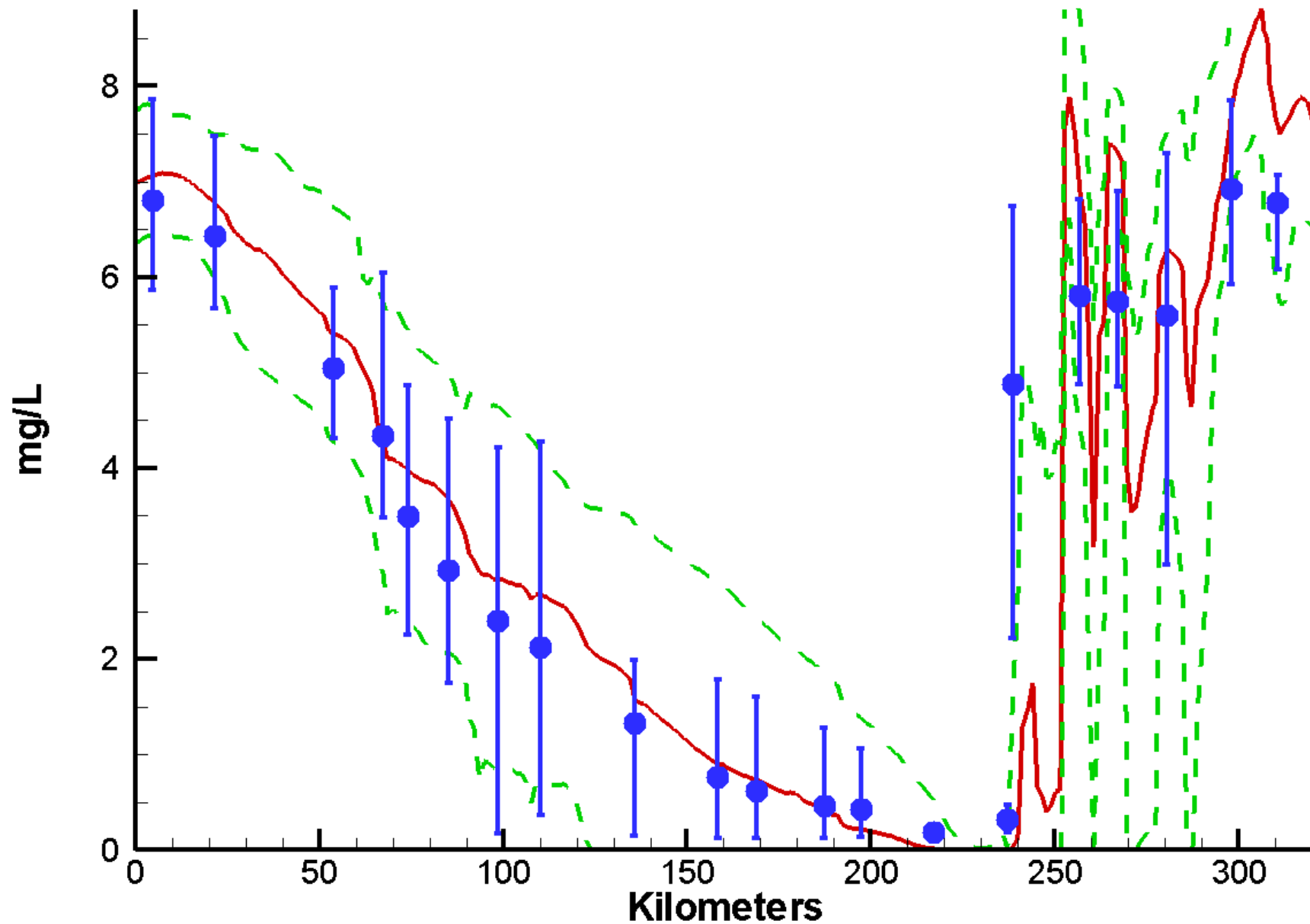
# Mainstem Bay 2002-2011 Run59

## Surface Dissolved Phosphate Summer 2007



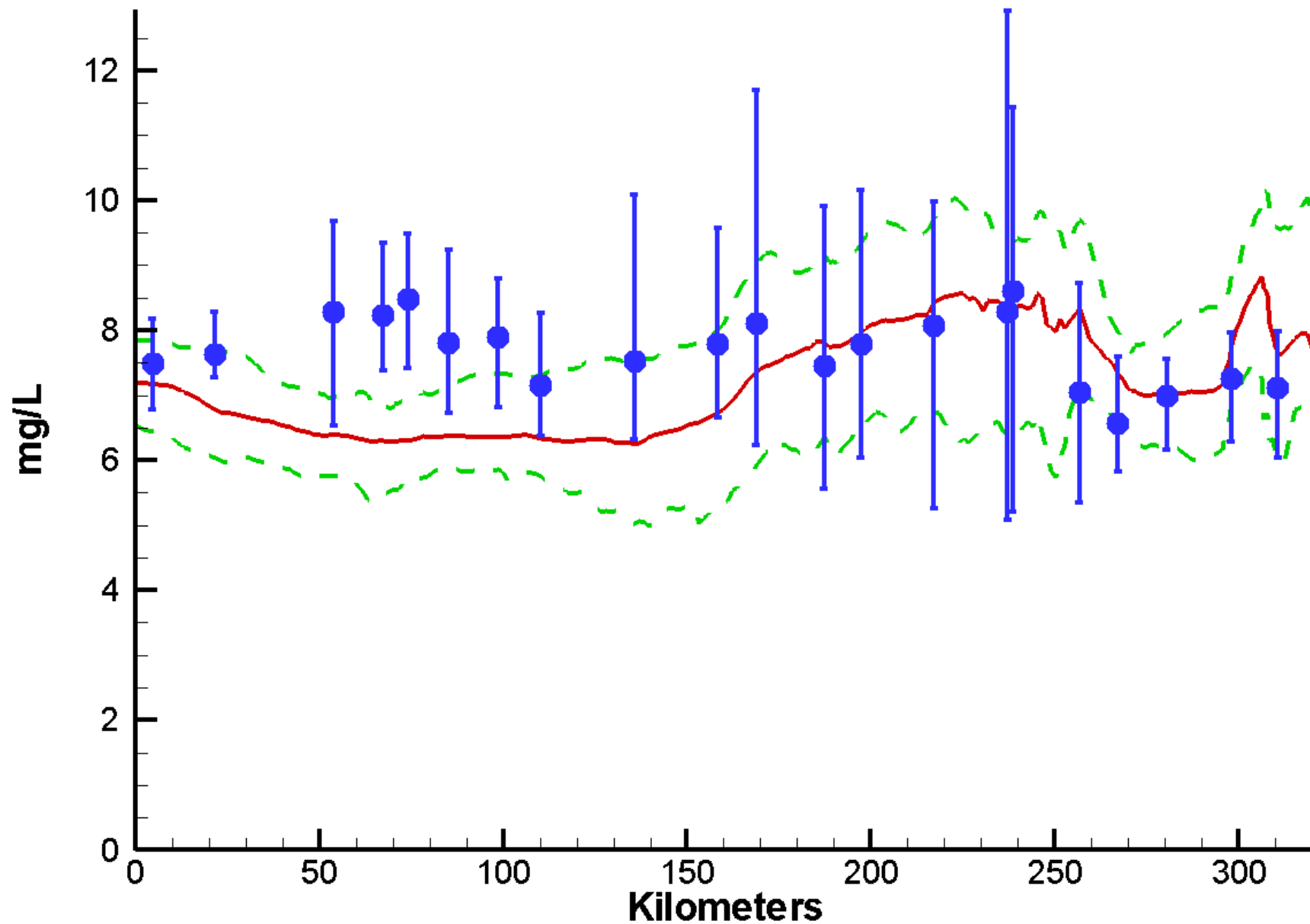
# Mainstem Bay 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007



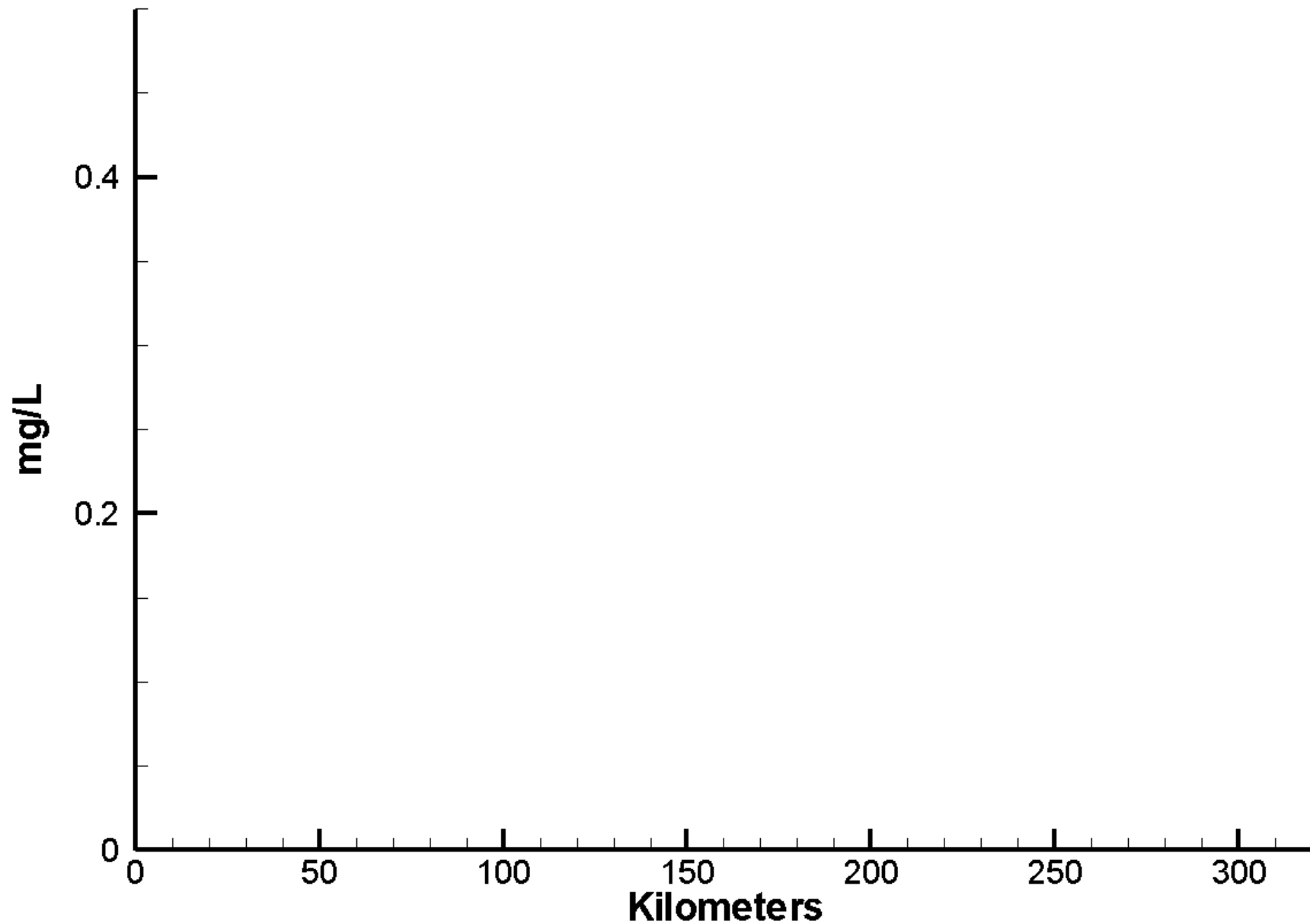
# Mainstem Bay 2002-2011 Run59

## Surface Dissolved Oxygen Summer 2007



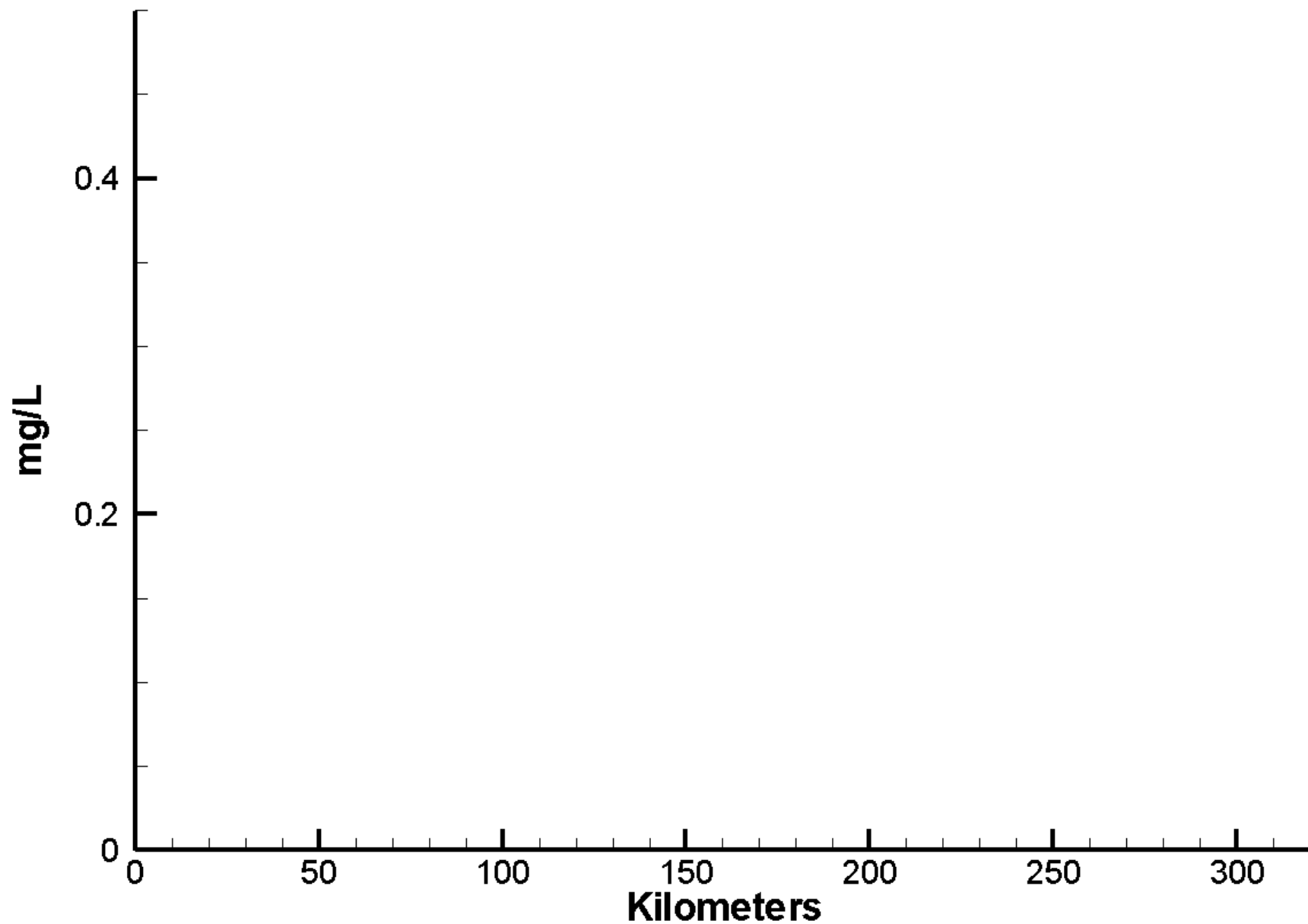
# Mainstem Bay 2002-2011 Run59

## Bottom Dissolved Silica Summer 2007



# Mainstem Bay 2002-2011 Run59

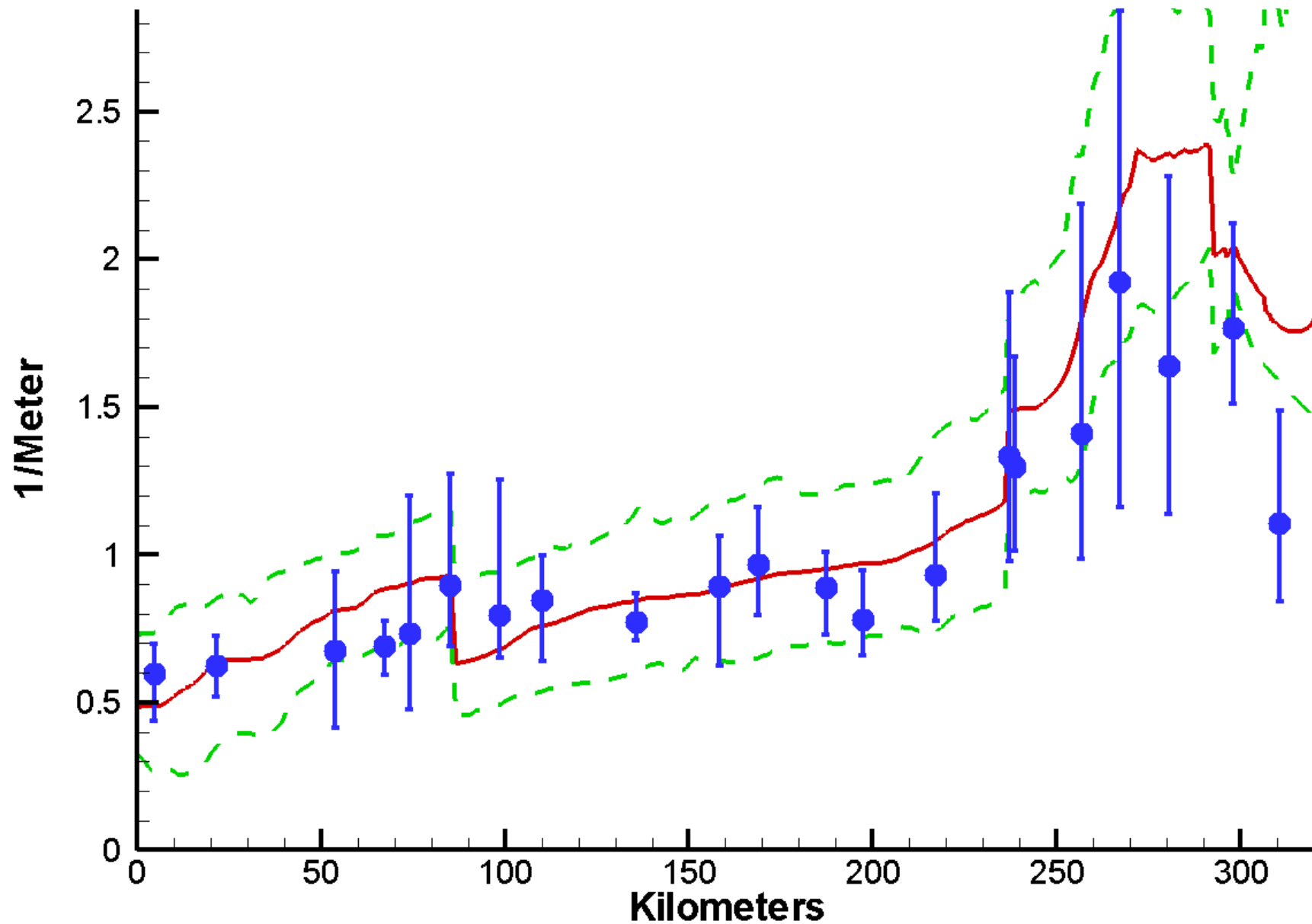
## Surface Dissolved Silica Summer 2007





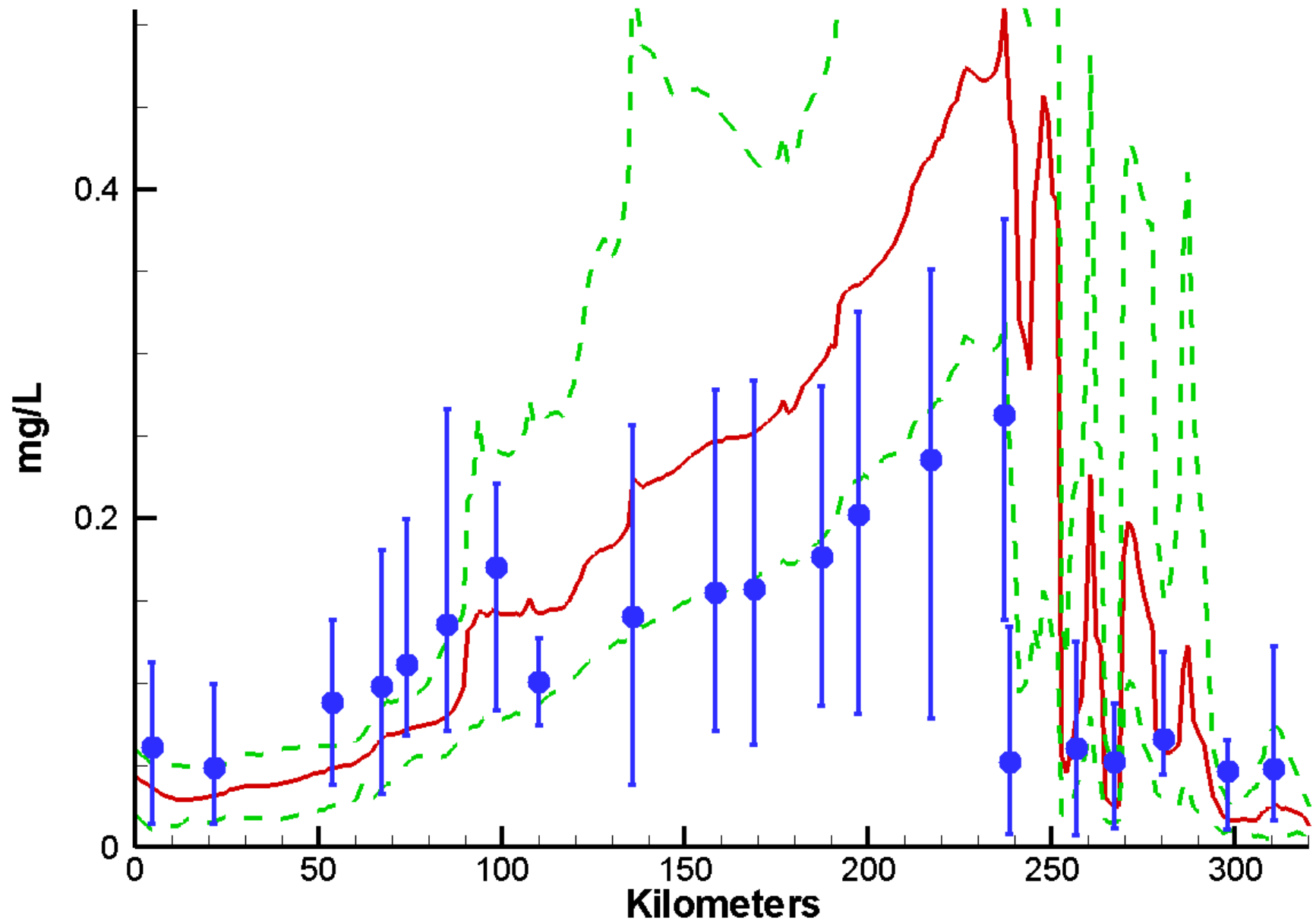
# Mainstem Bay 2002-2011 Run59

## Surface Light Extinction Summer 2007



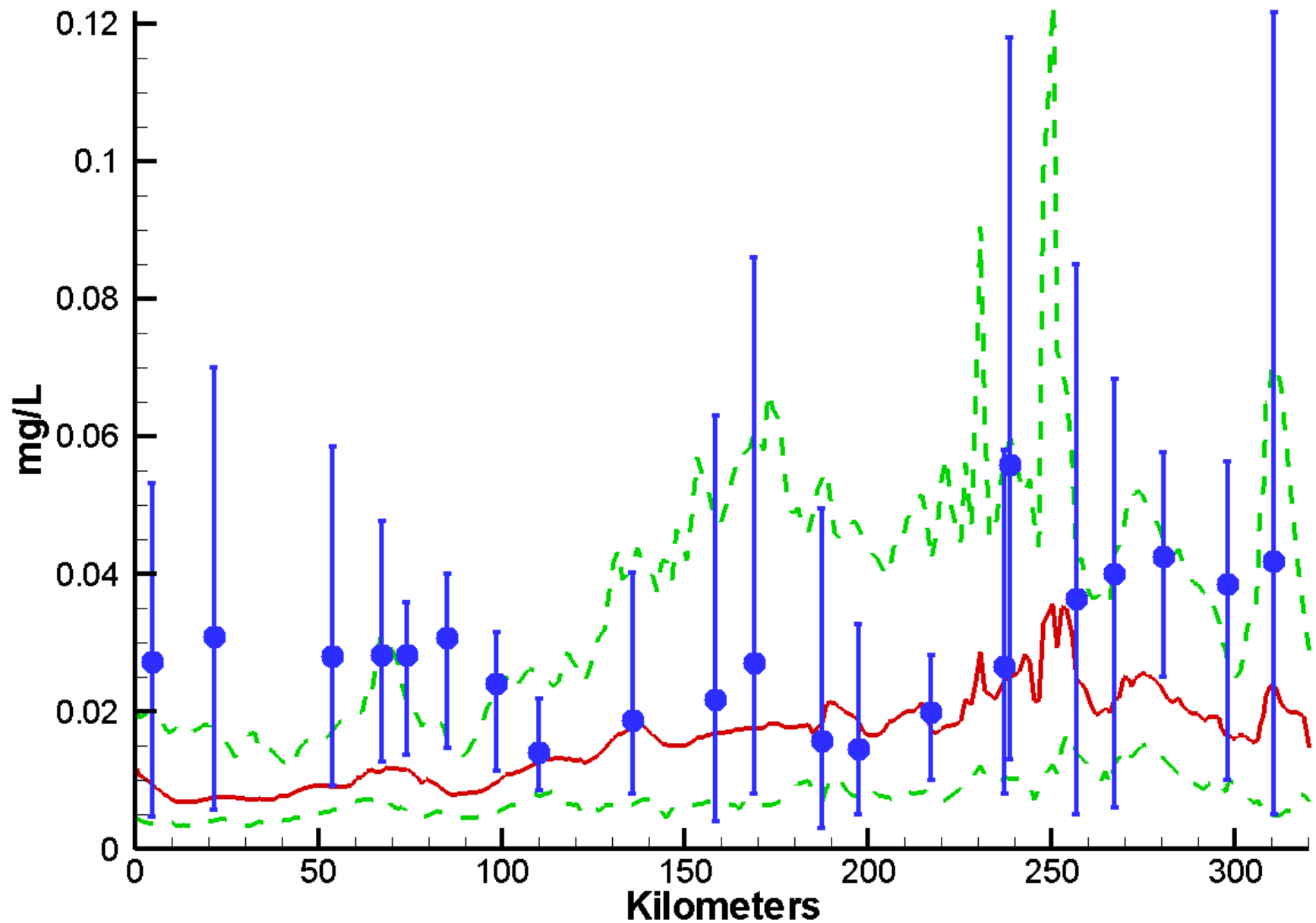
# Mainstem Bay 2002-2011 Run59

## Bottom Ammonium Summer 2007



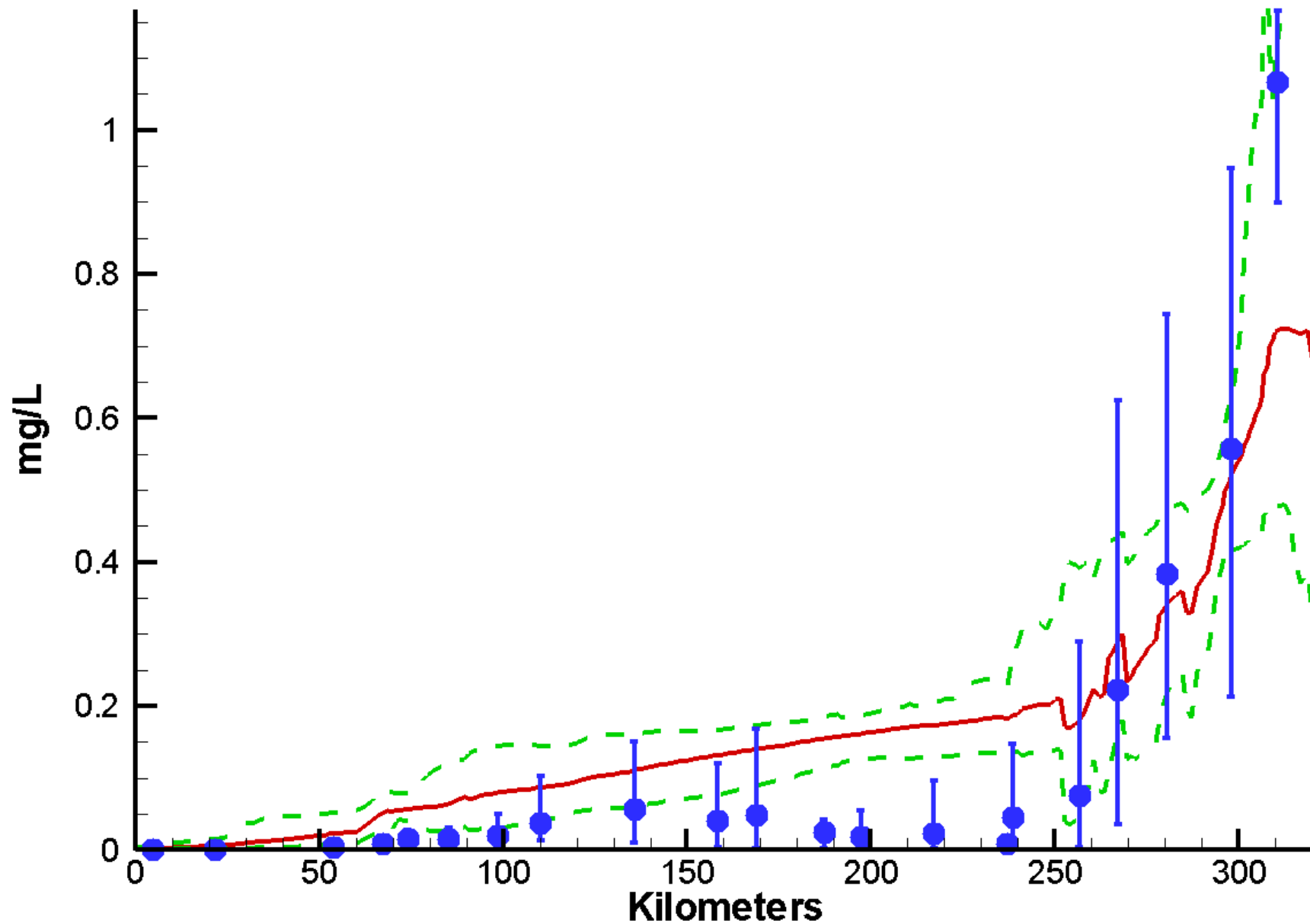
# Mainstem Bay 2002-2011 Run59

## Surface Ammonium Summer 2007



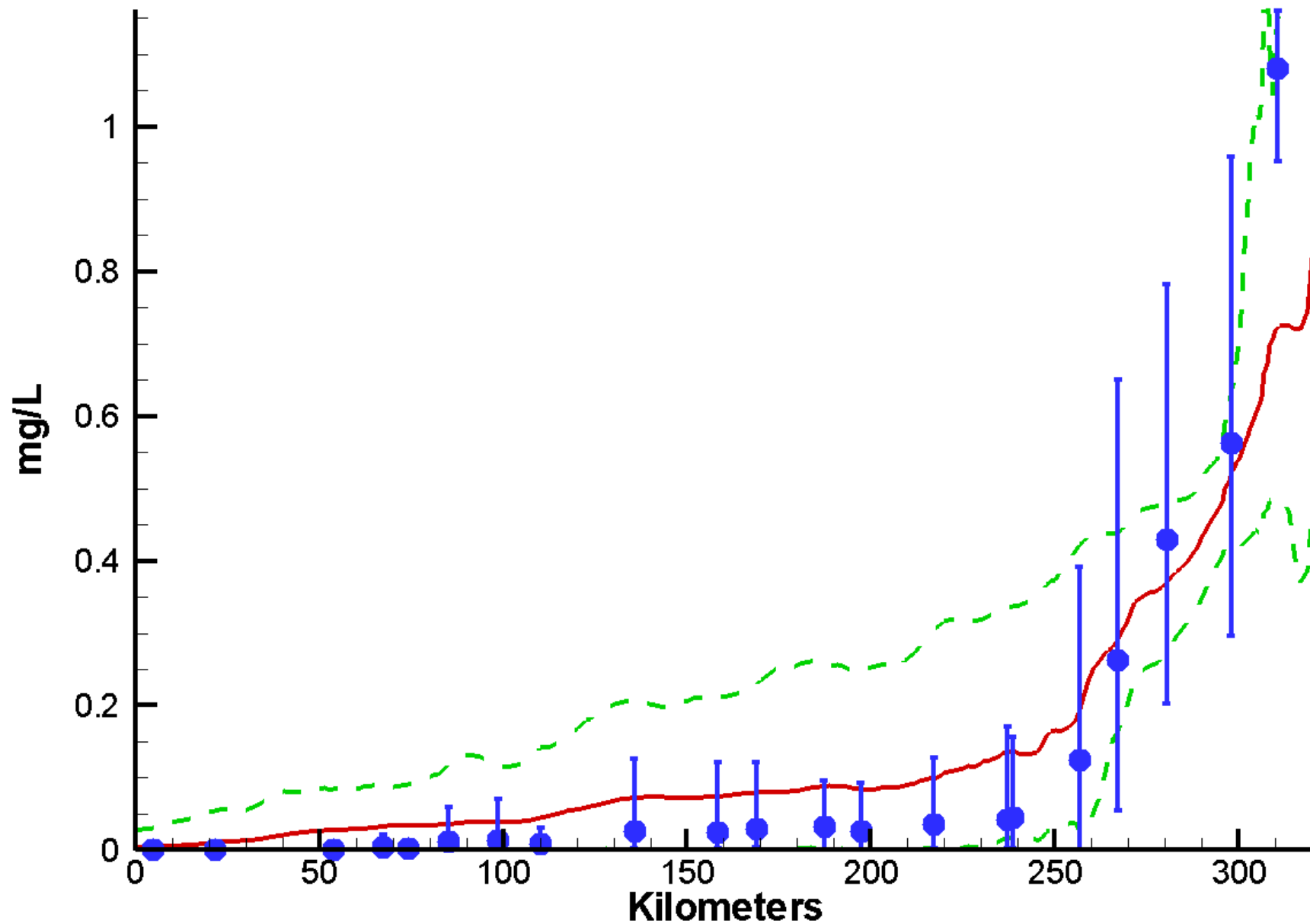
# Mainstem Bay 2002-2011 Run59

## Bottom Nitrate Summer 2007



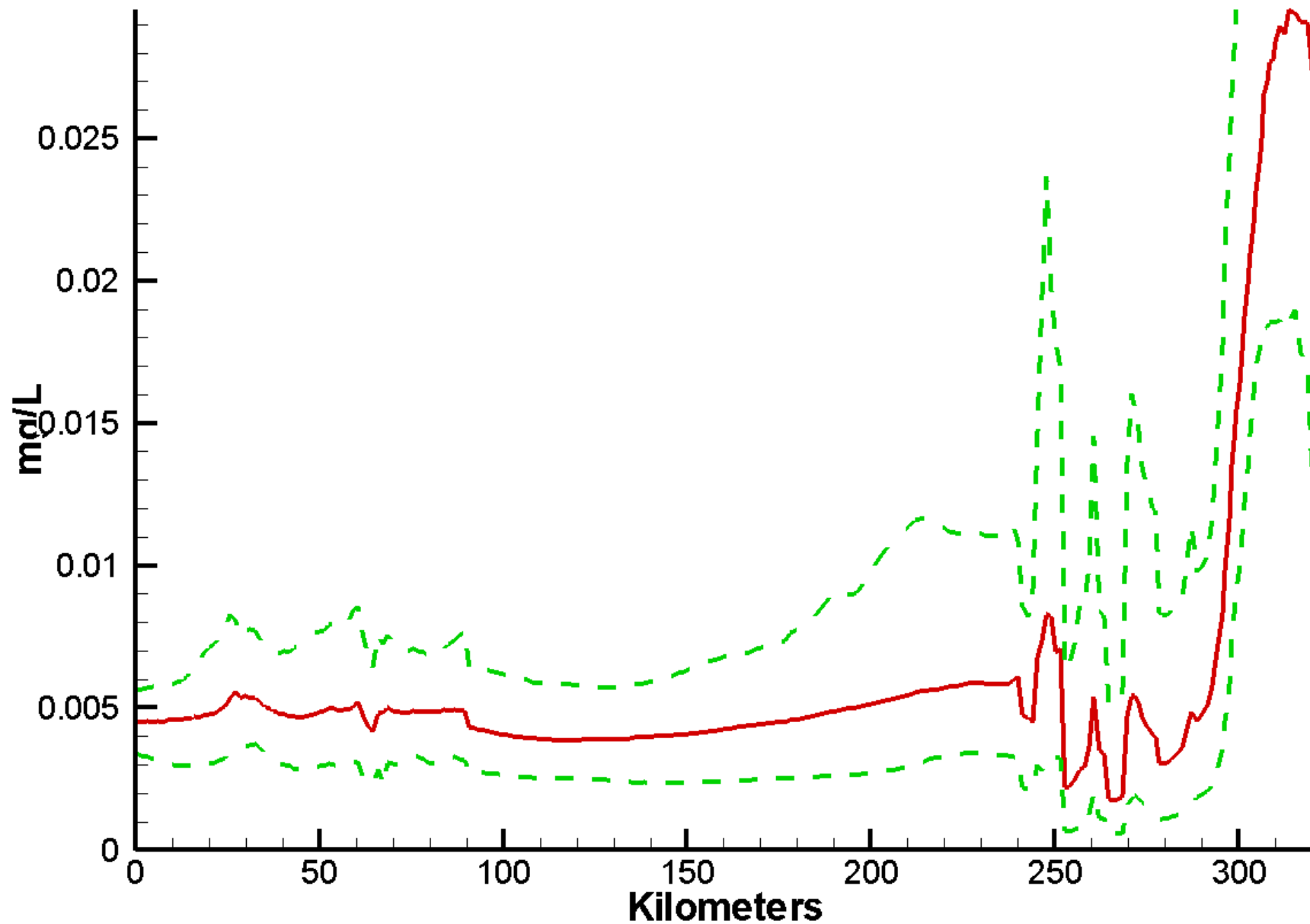
# Mainstem Bay 2002-2011 Run59

## Surface Nitrate Summer 2007



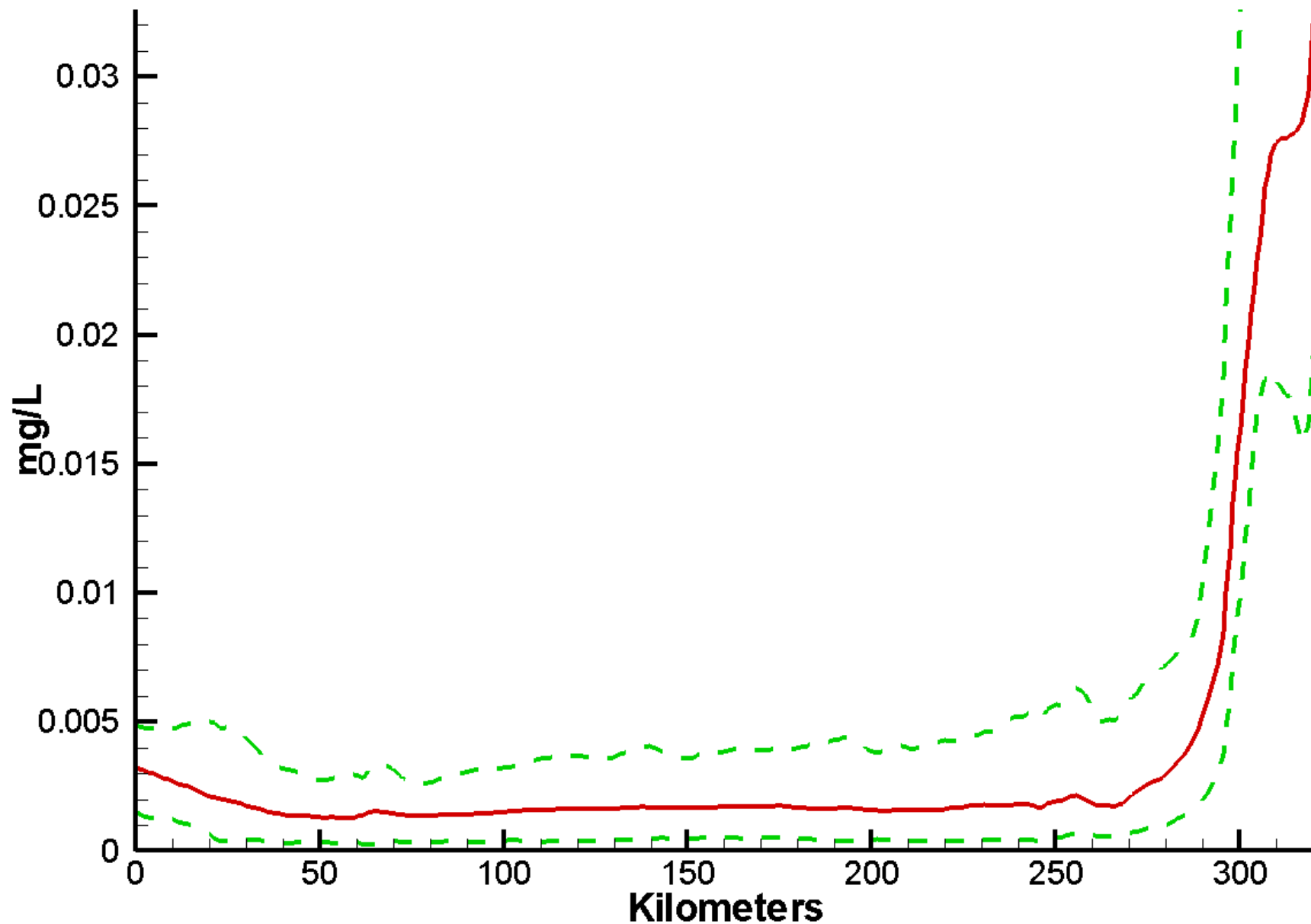
# Mainstem Bay 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 2000



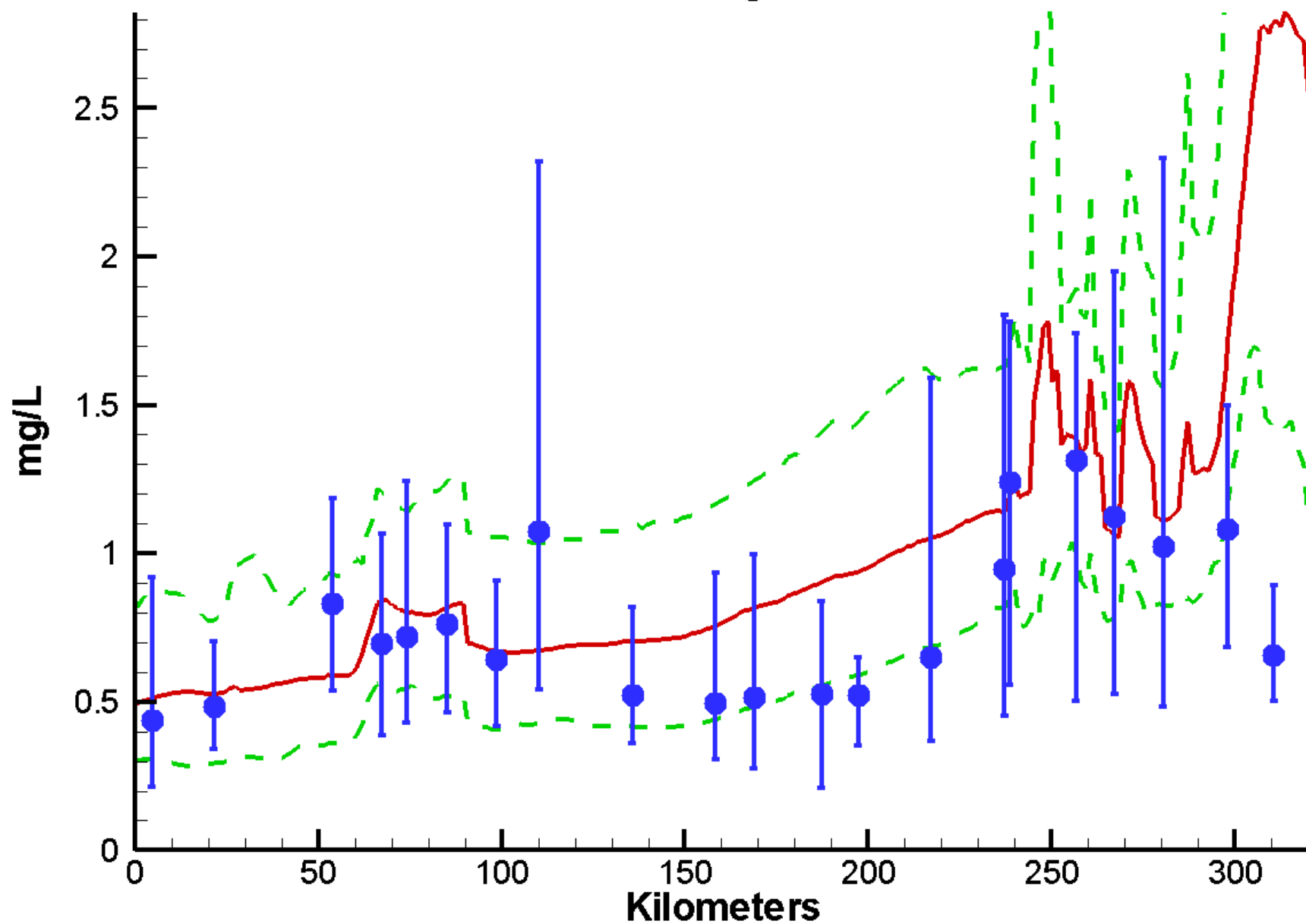
# Mainstem Bay 2002-2011 Run59

## Surface Particulate Inorganic Phosphorus Summer 2000



# Mainstem Bay 2002-2011 Run59

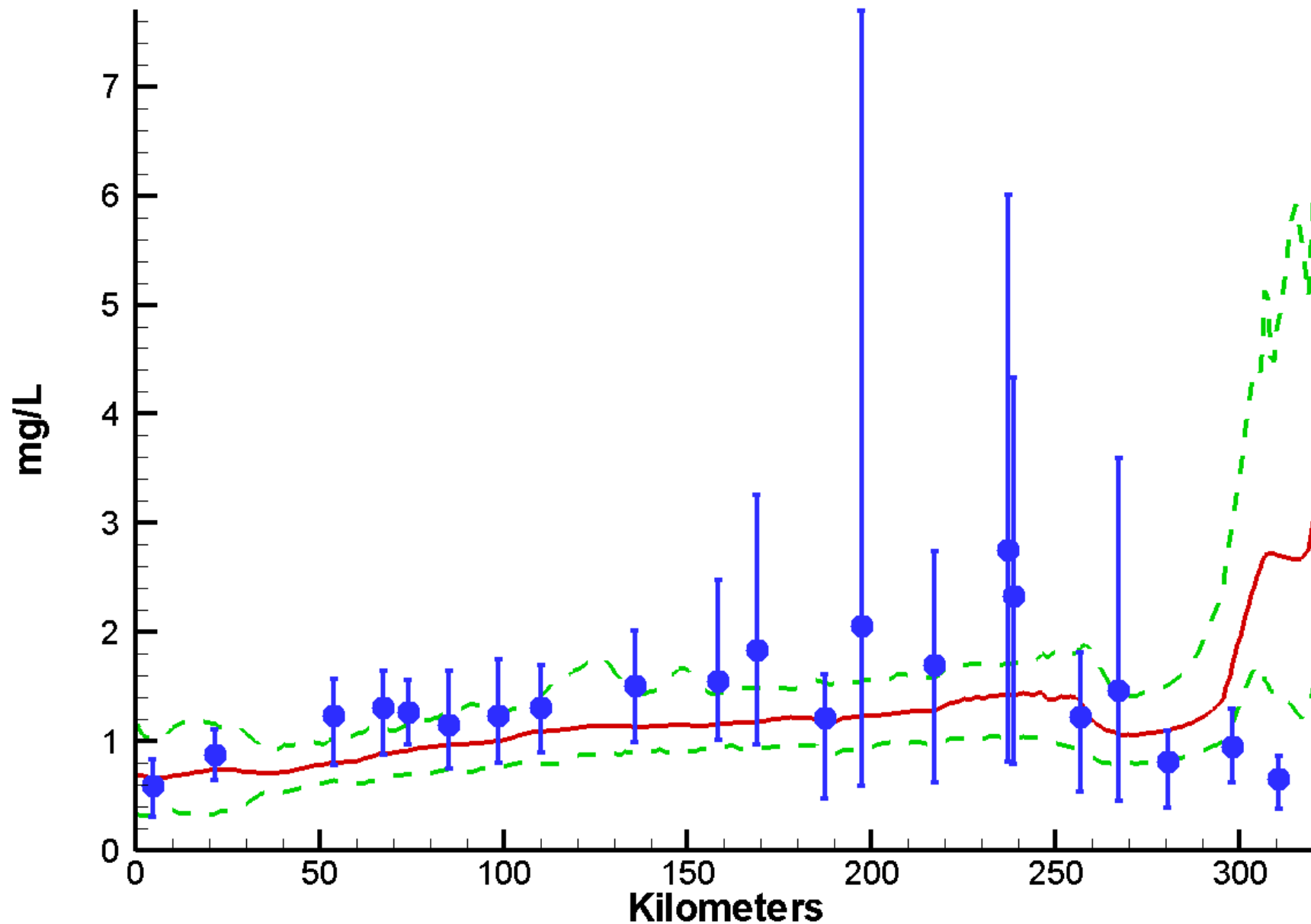
## Bottom Particulate Organic Carbon Summer 2007





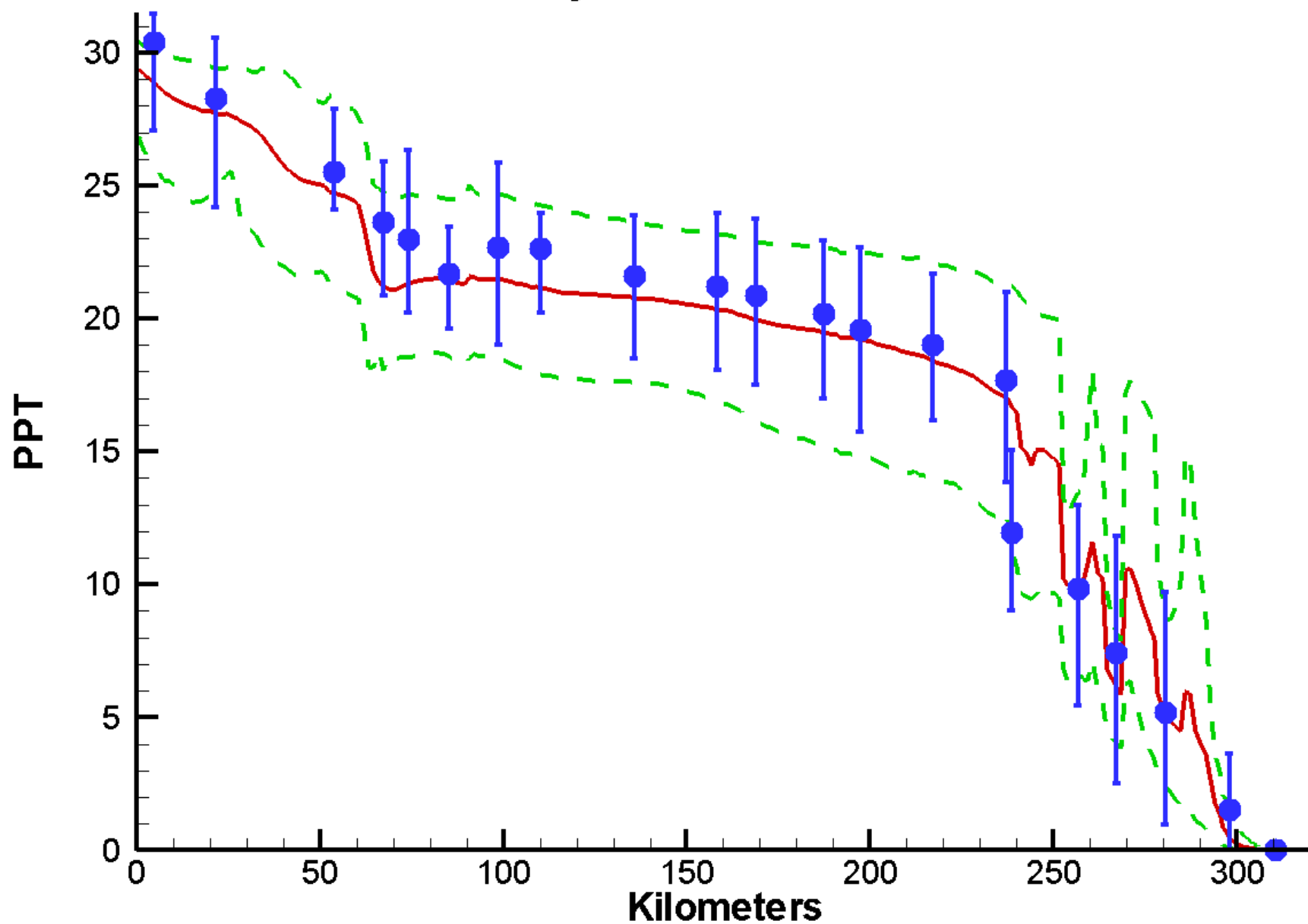
# Mainstem Bay 2002-2011 Run59

## Surface Particulate Organic Carbon Summer 2007



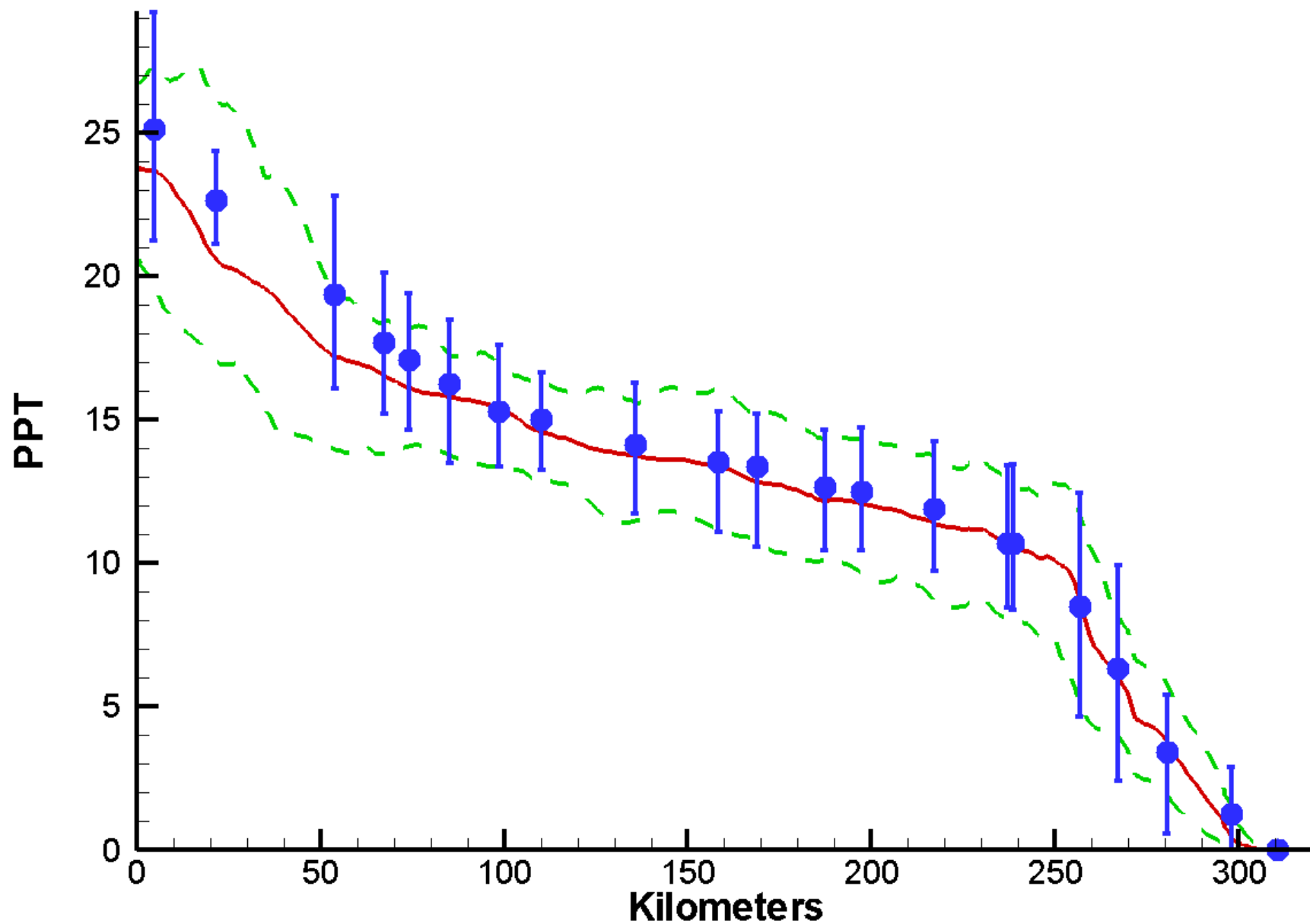
# Mainstem Bay 2002-2011 Run59

## Bottom Salinity Summer 2007



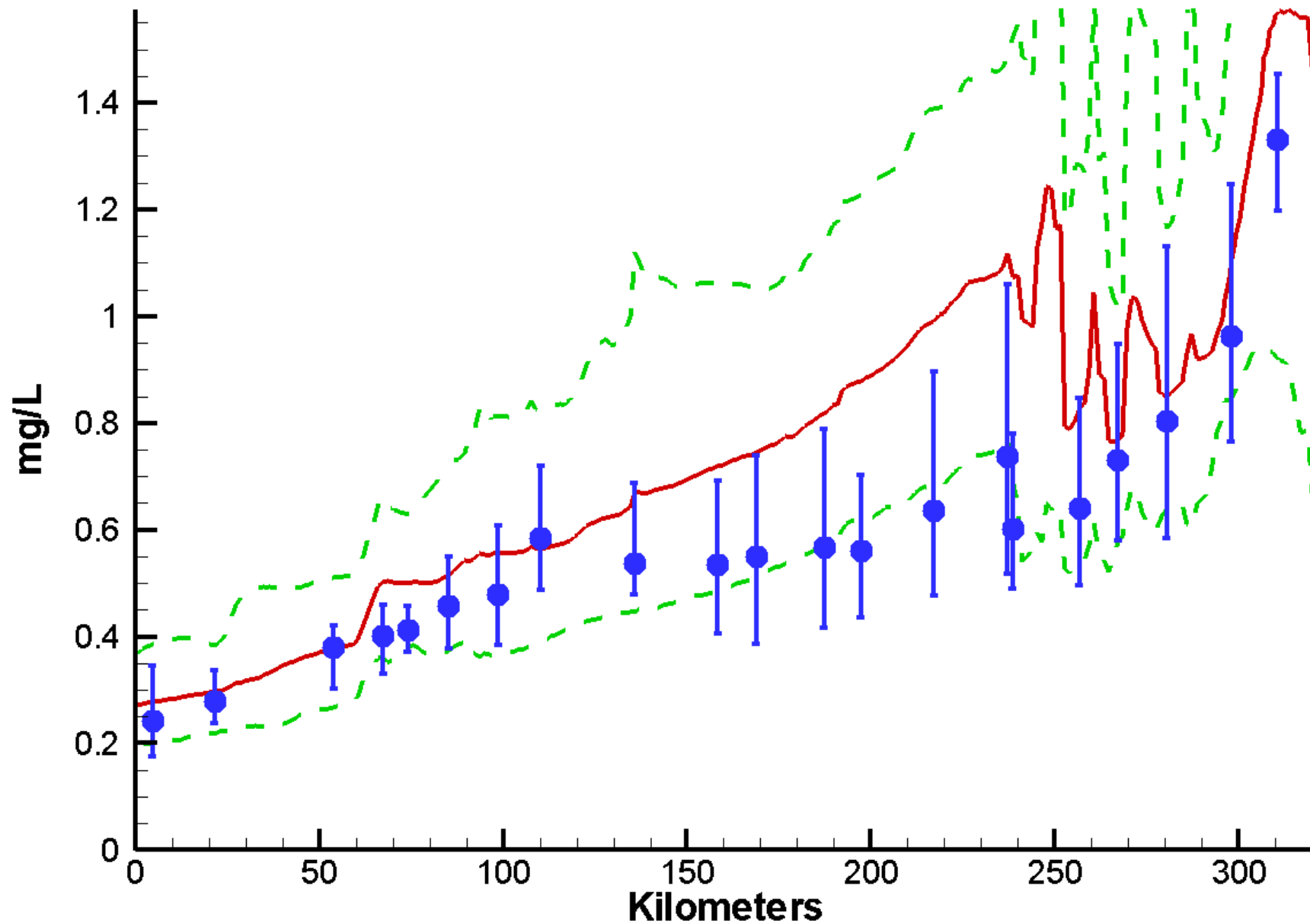
# Mainstem Bay 2002-2011 Run59

## Surface Salinity Summer 2007



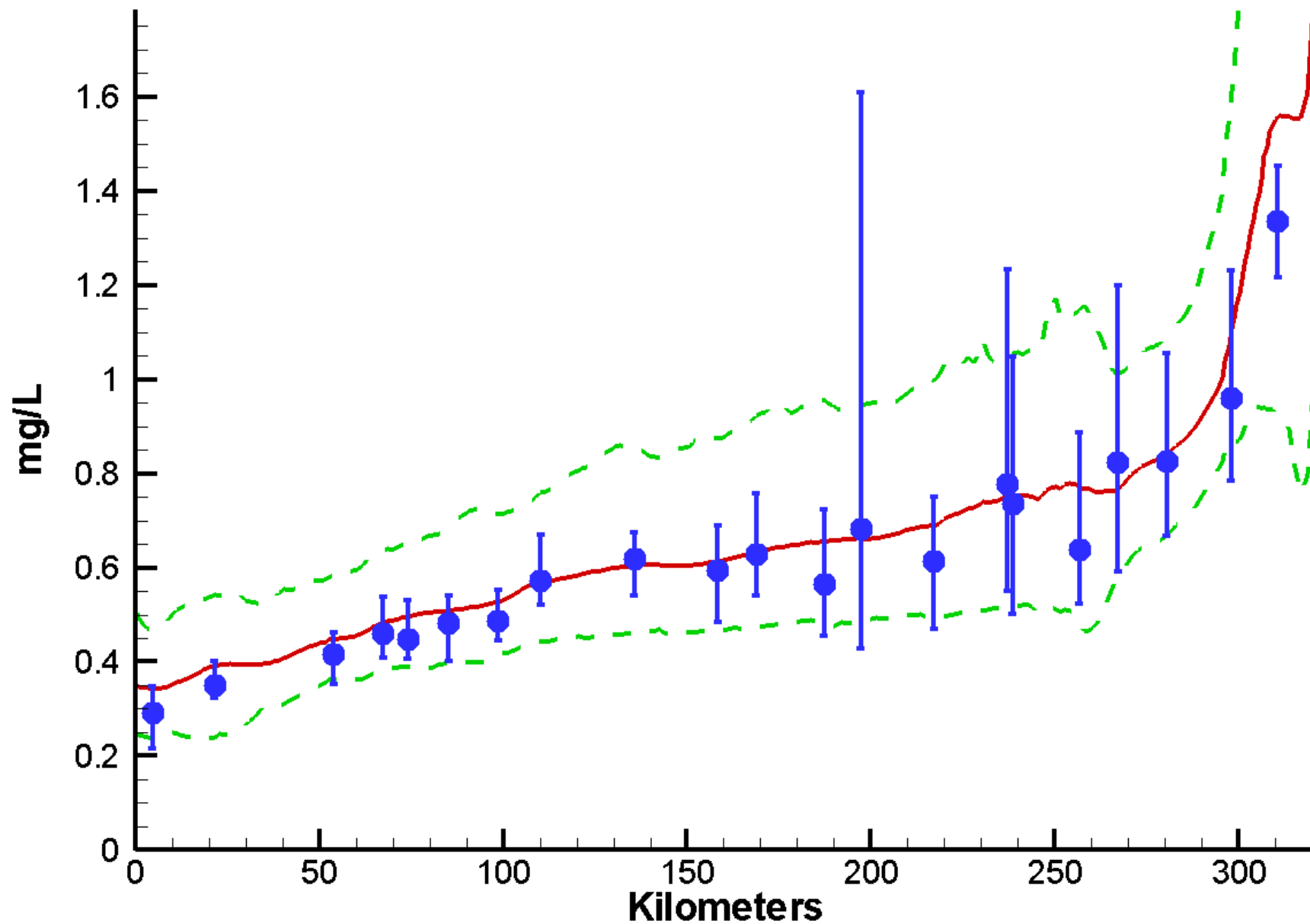
# Mainstem Bay 2002-2011 Run59

## Bottom Total Nitrogen Summer 2007



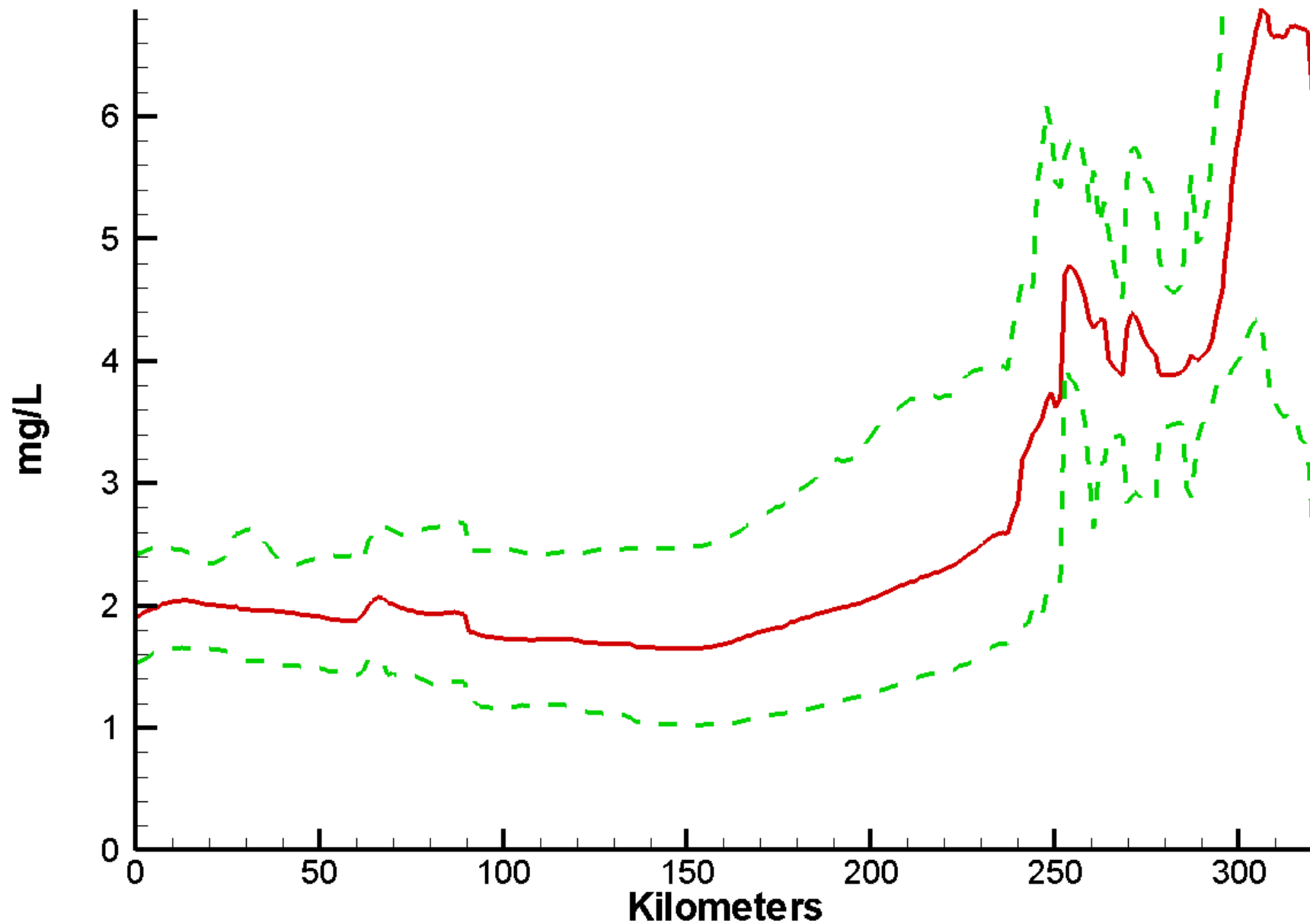
# Mainstem Bay 2002-2011 Run59

## Surface Total Nitrogen Summer 2007



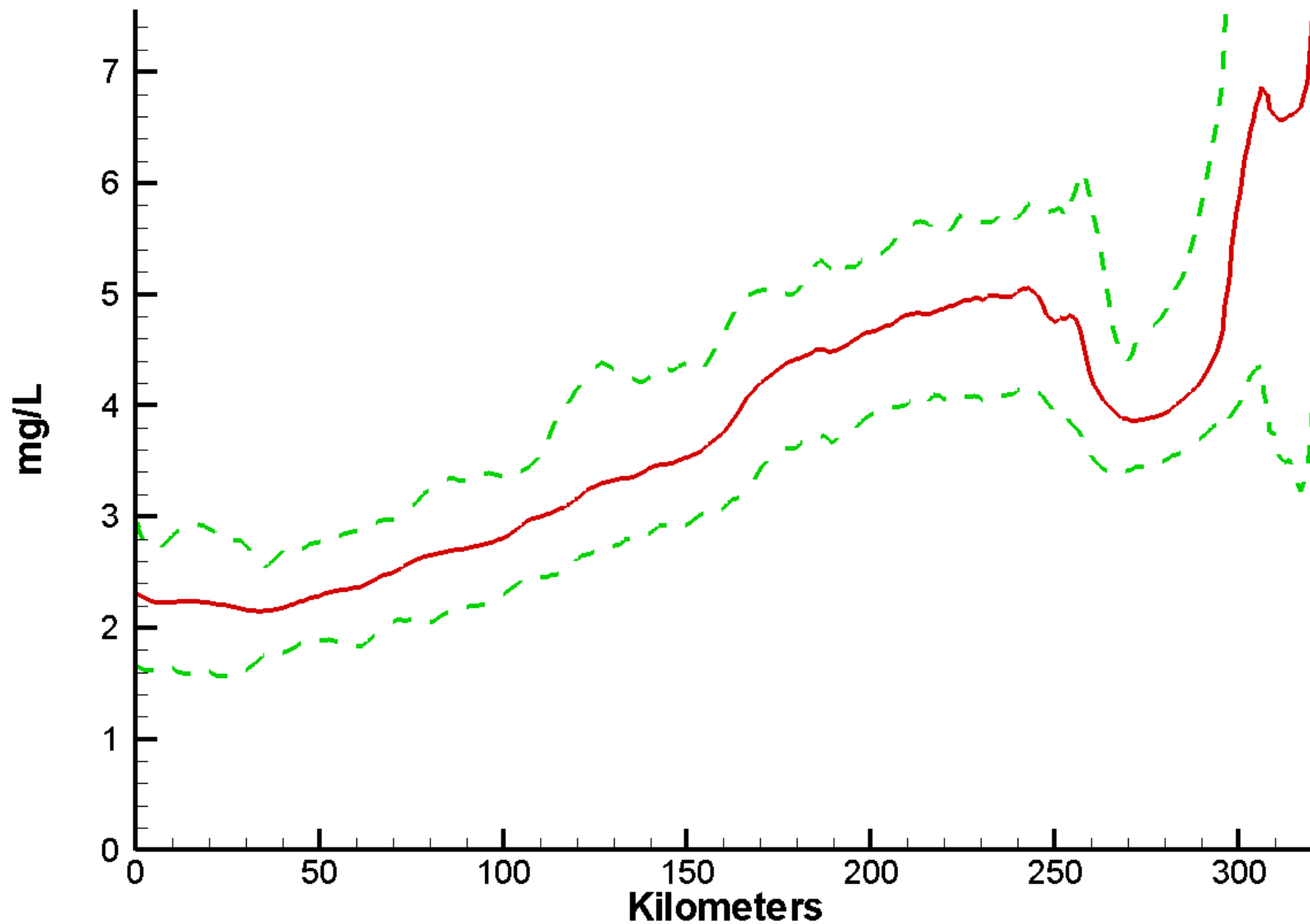
# Mainstem Bay 2002-2011 Run59

## Bottom Total Organic Carbon Summer 2007



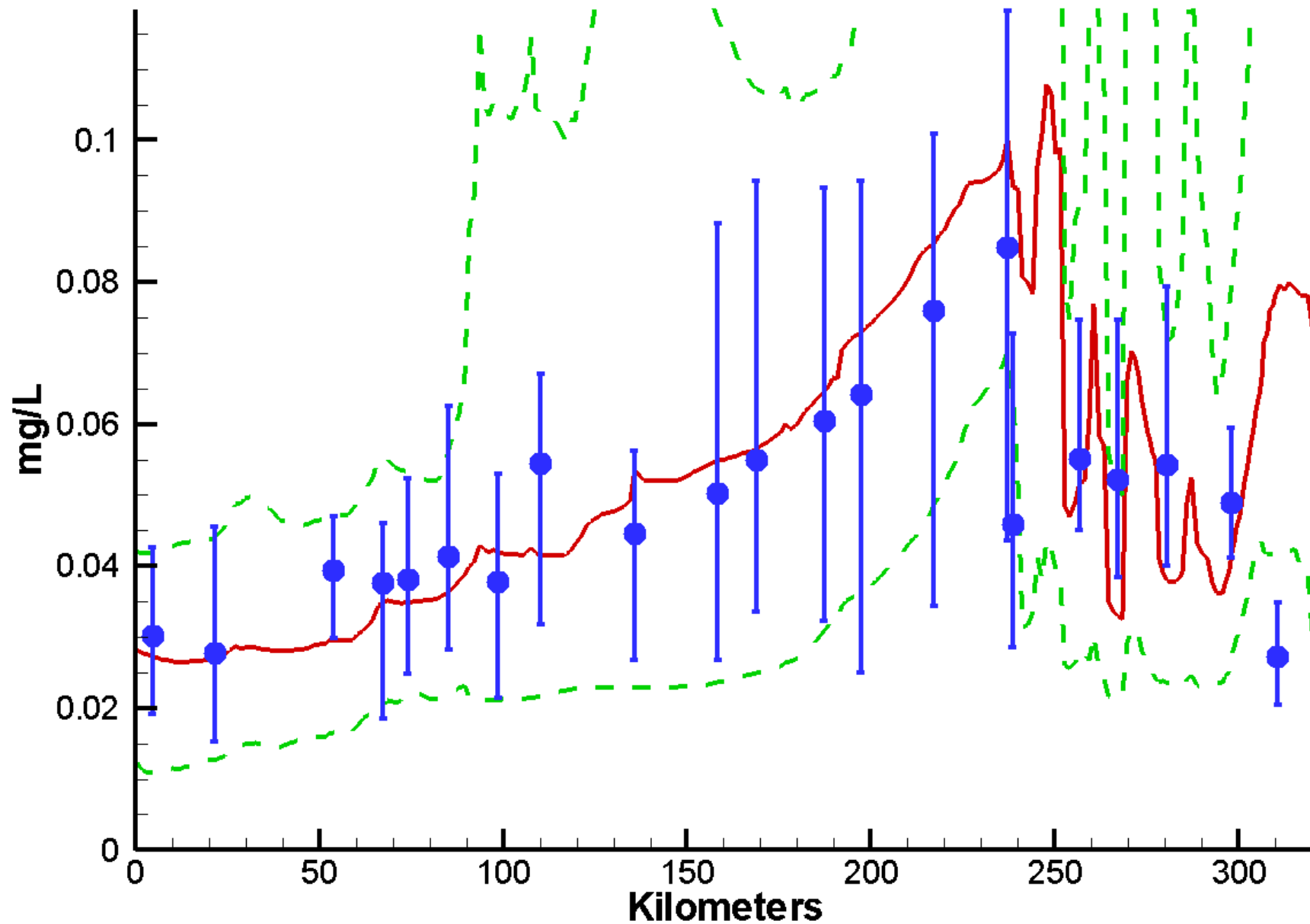
# Mainstem Bay 2002-2011 Run59

## Surface Total Organic Carbon Summer 2007



# Mainstem Bay 2002-2011 Run59

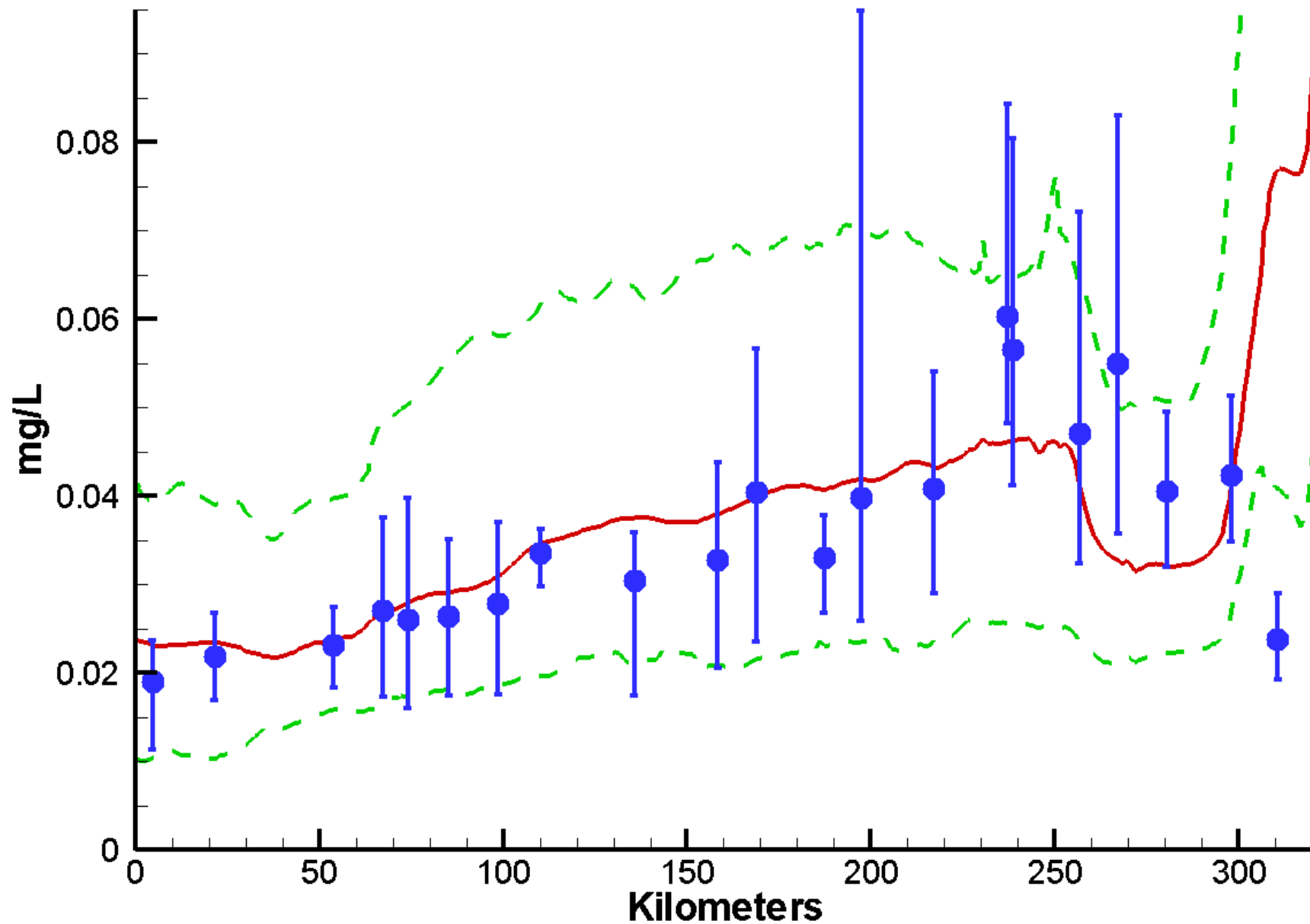
## Bottom Total Phosphorus Summer 2007





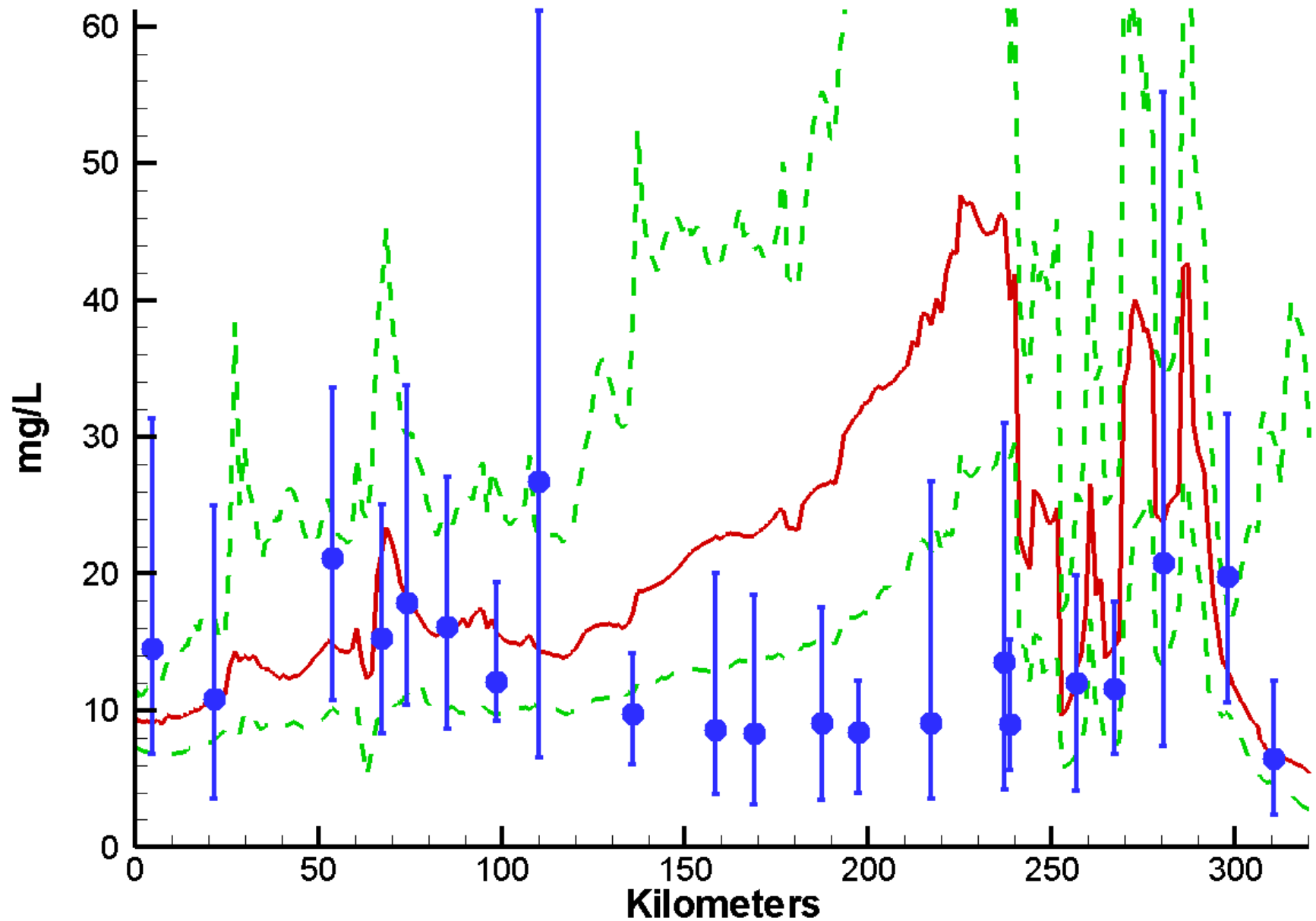
# Mainstem Bay 2002-2011 Run59

## Surface Total Phosphorus Summer 2007



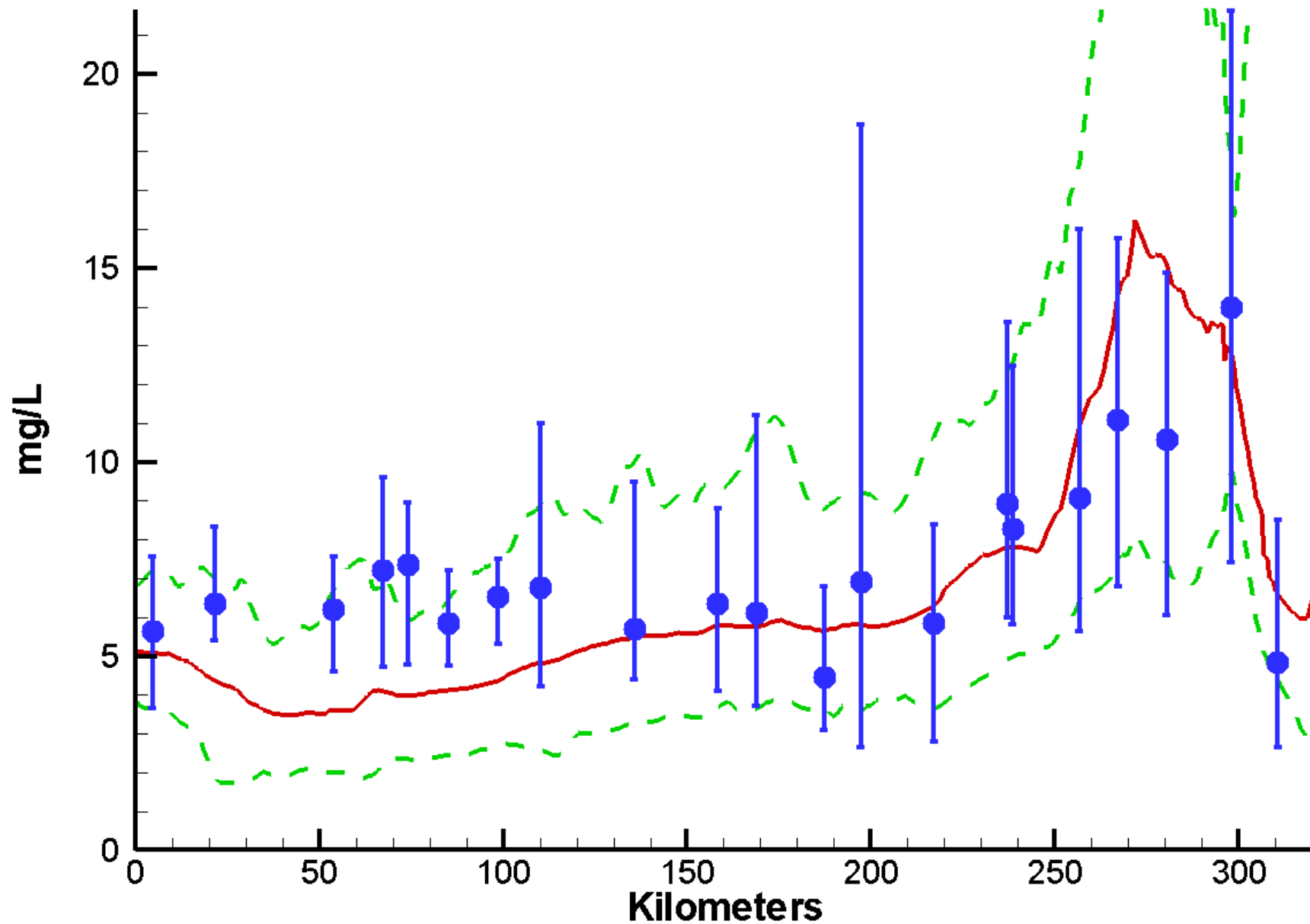
# Mainstem Bay 2002-2011 Run59

## Bottom Total Suspended Solids Summer 2007



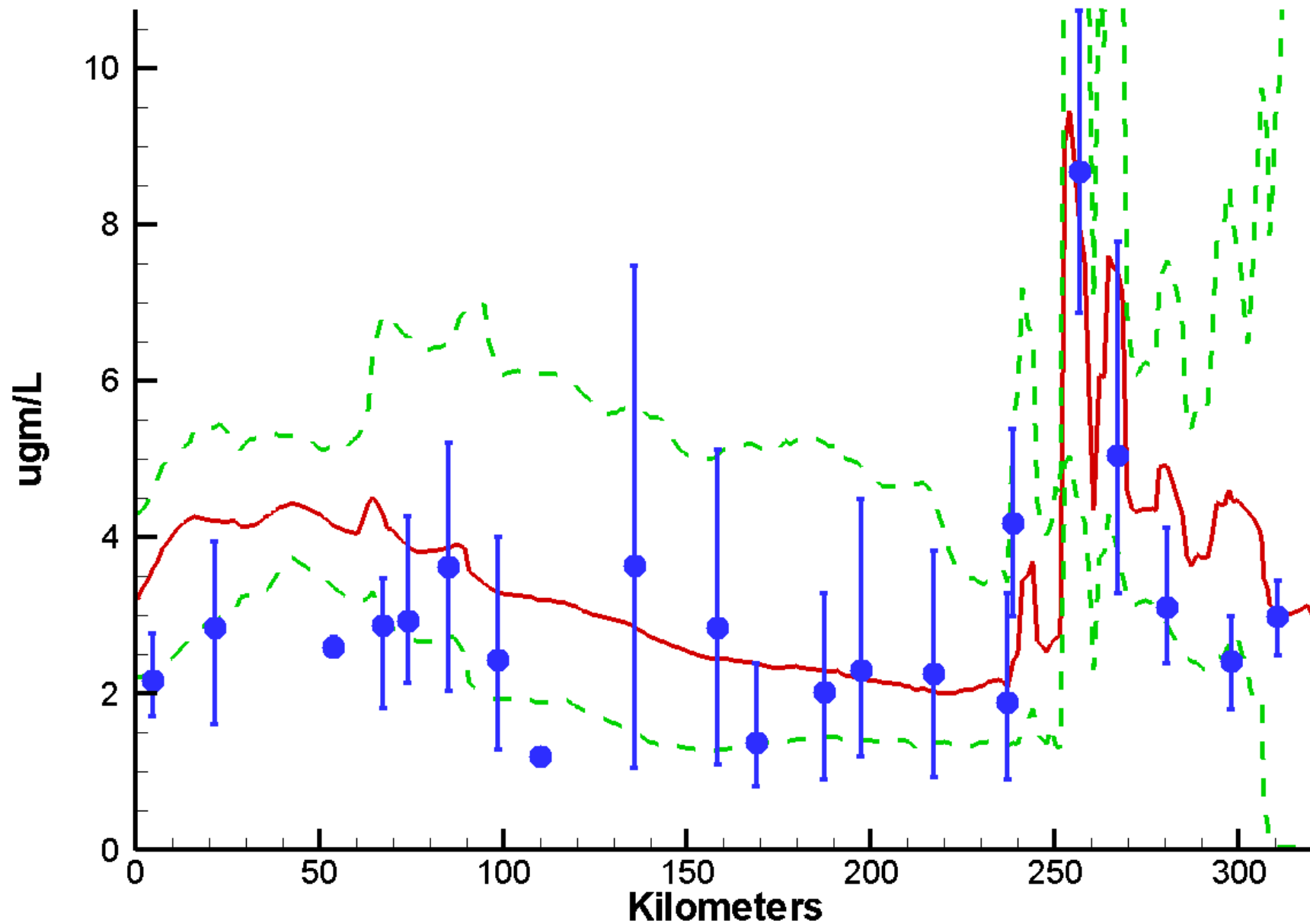
# Mainstem Bay 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007

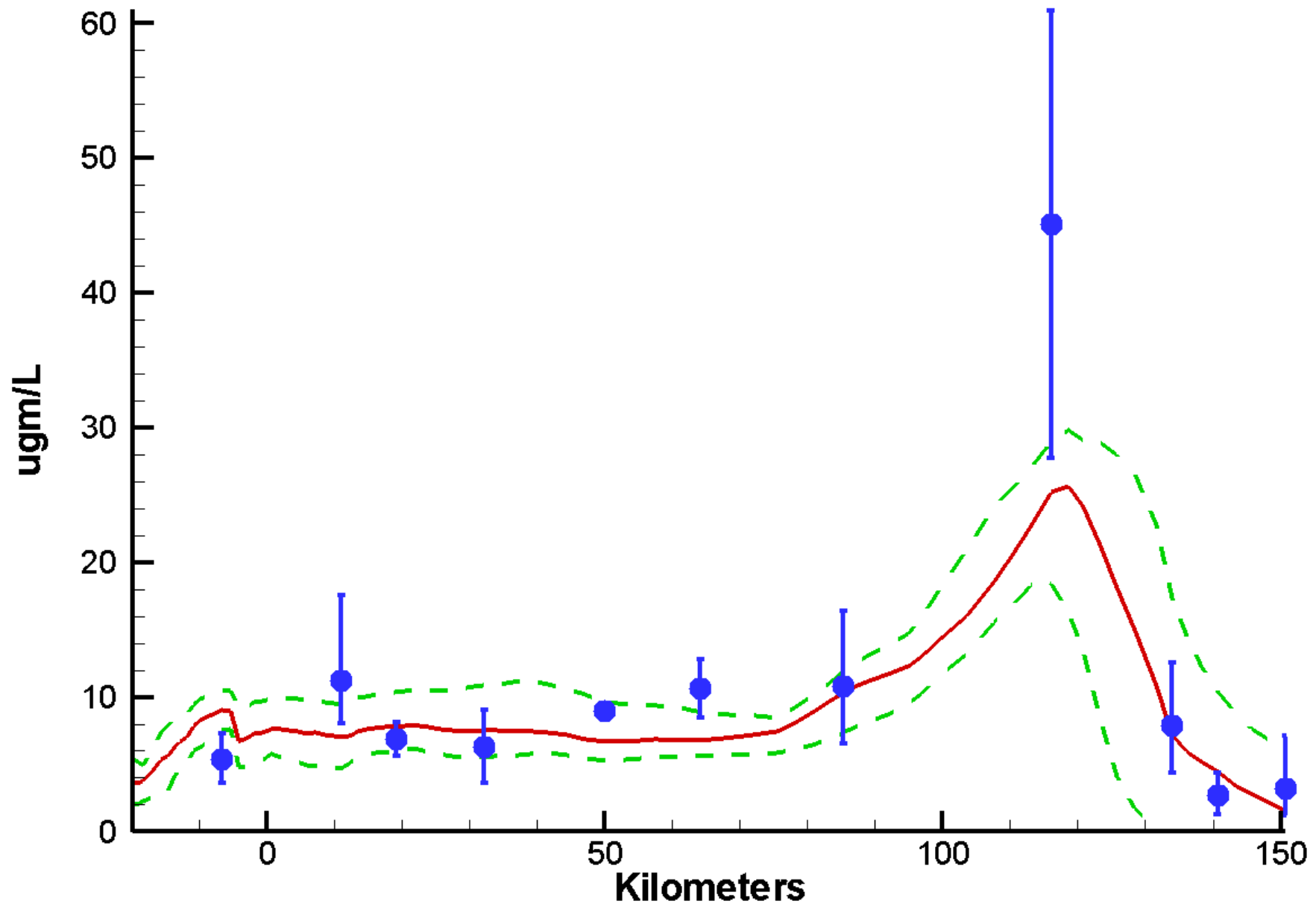


# Mainstem Bay 2002-2011 Run59

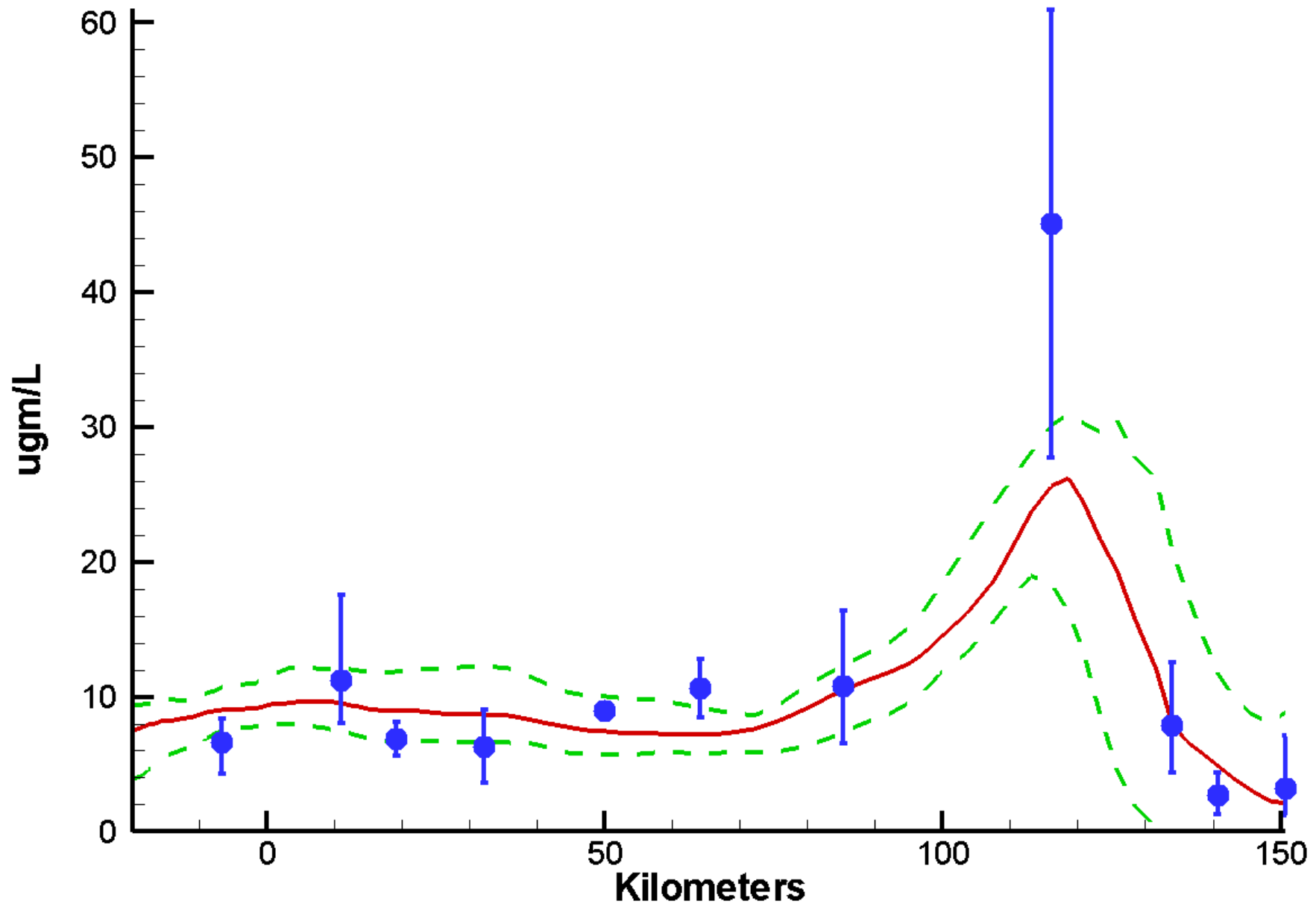
## Bottom Chlorophyll Fall 2007



# James River 2002-2011 Run59 Bottom Chlorophyll Summer 2007

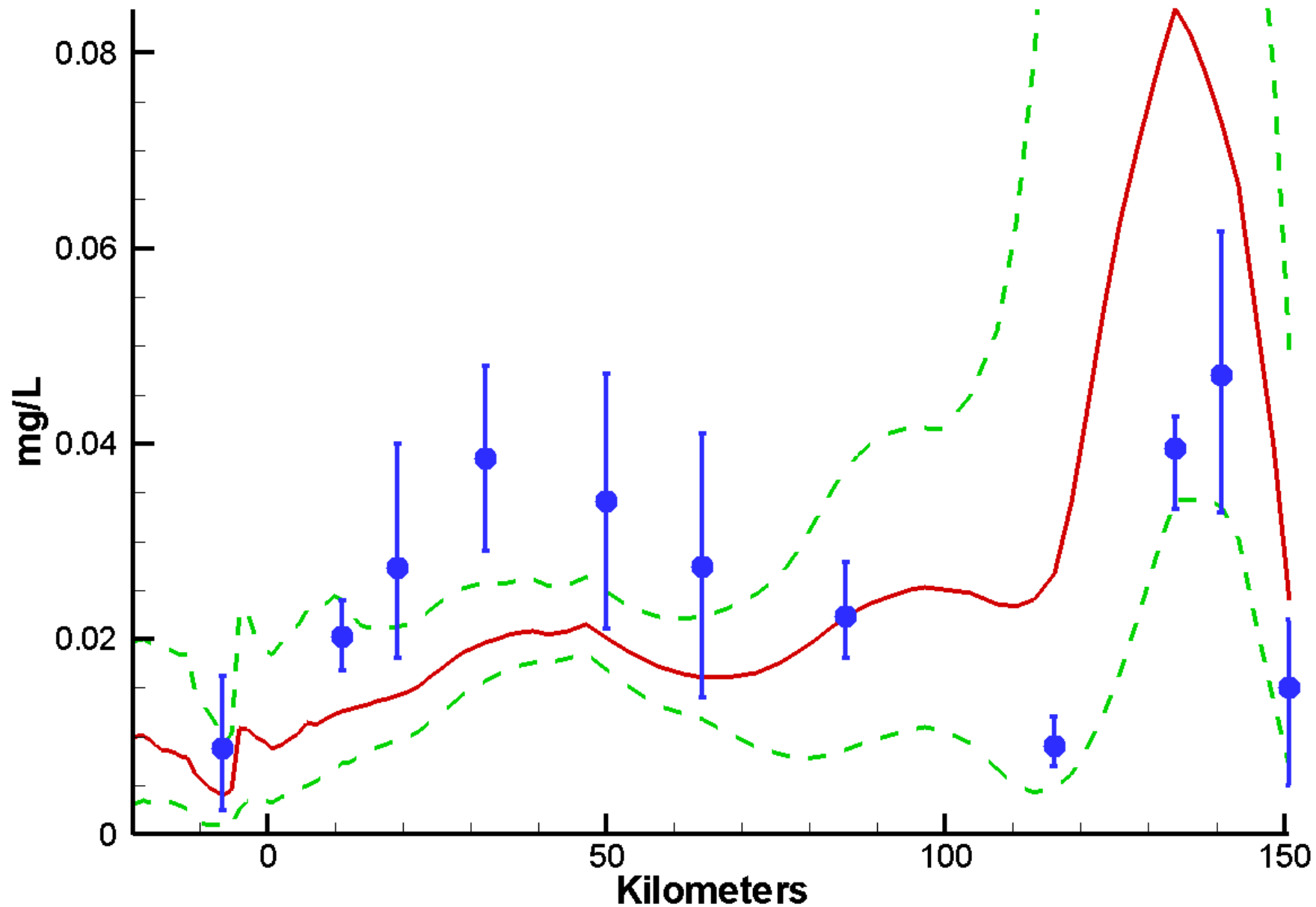


# James River 2002-2011 Run59 Surface Chlorophyll Summer 2007



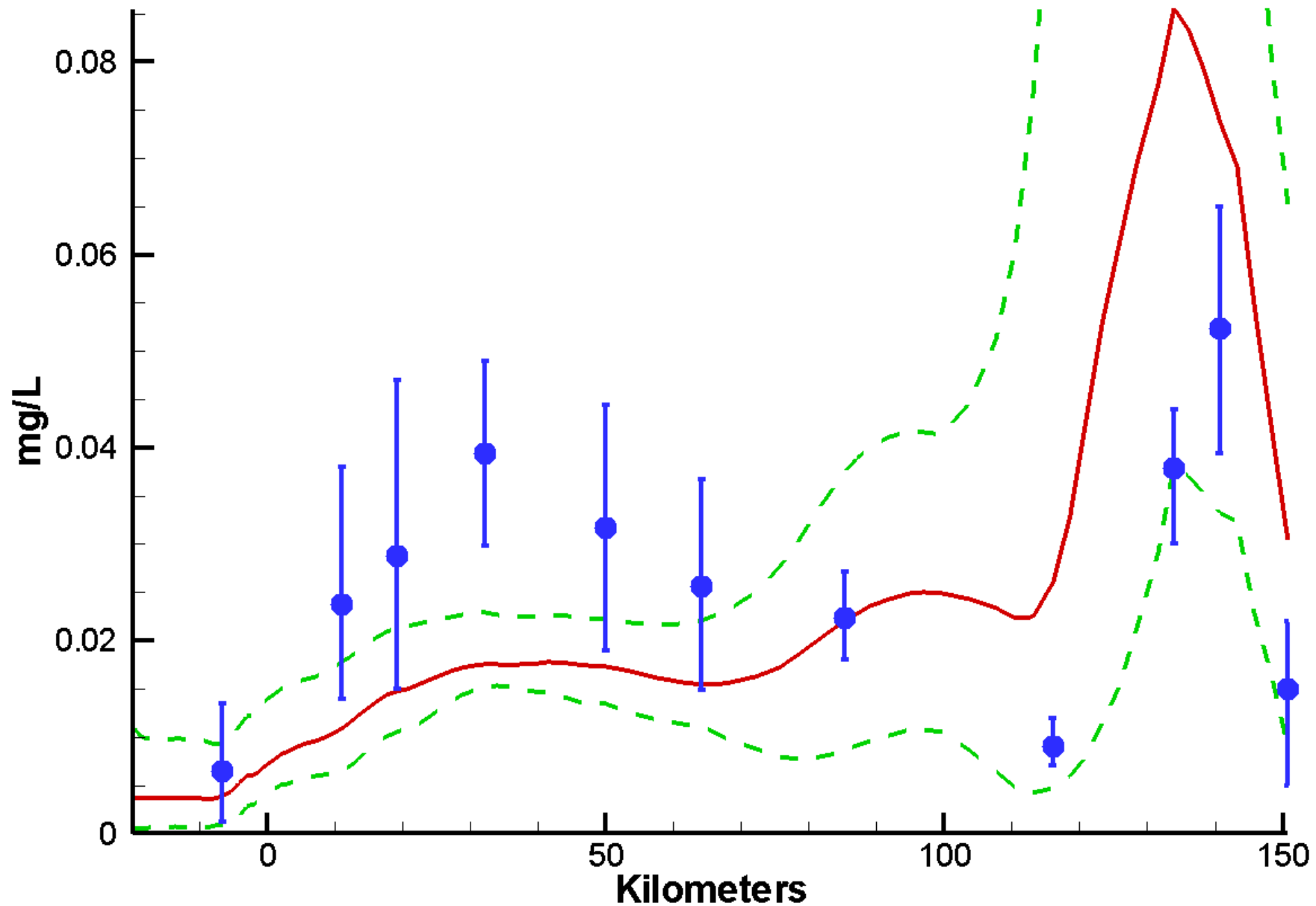
# James River 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007



# James River 2002-2011 Run59

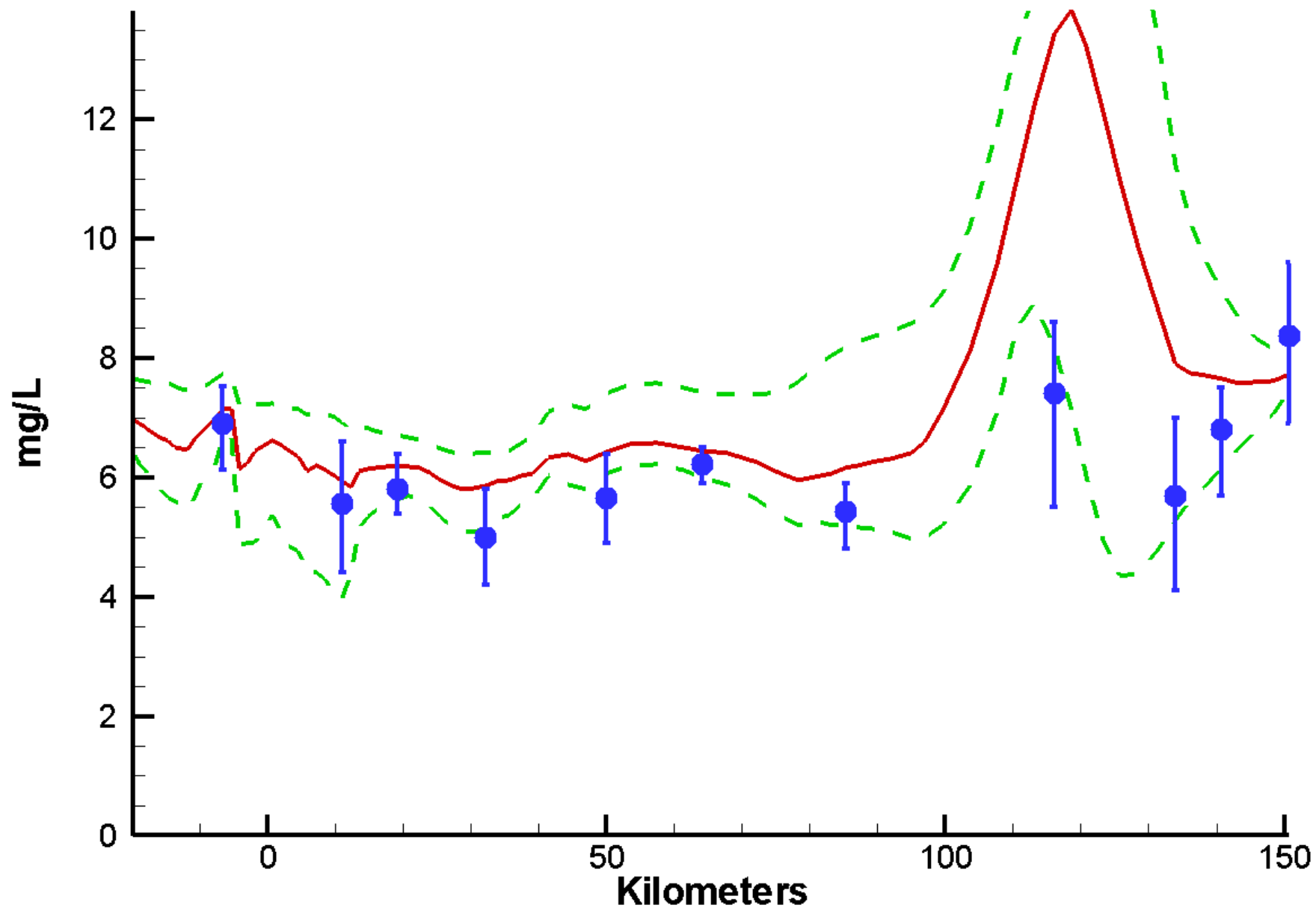
## Surface Dissolved Phosphate Summer 2007





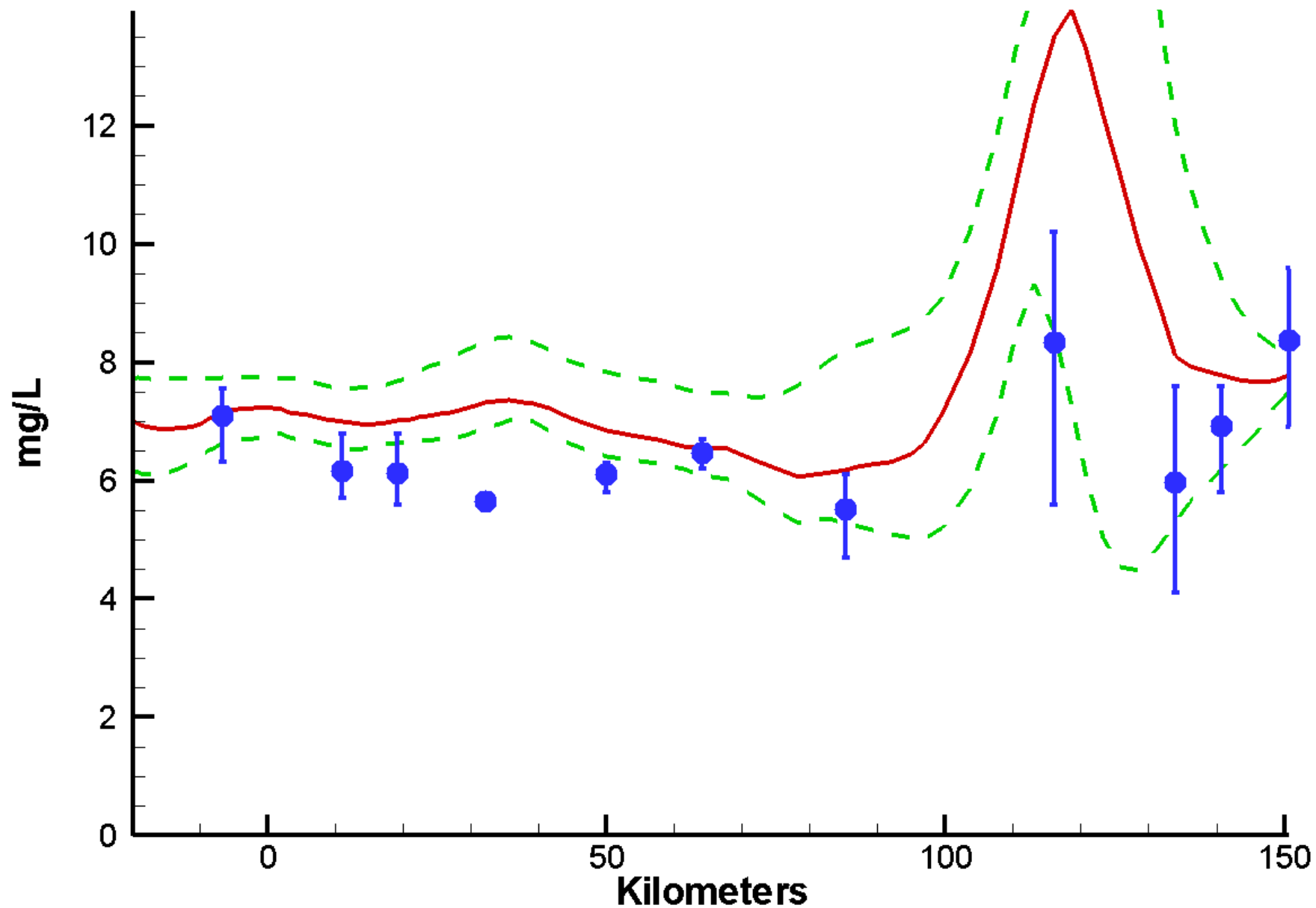
# James River 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007



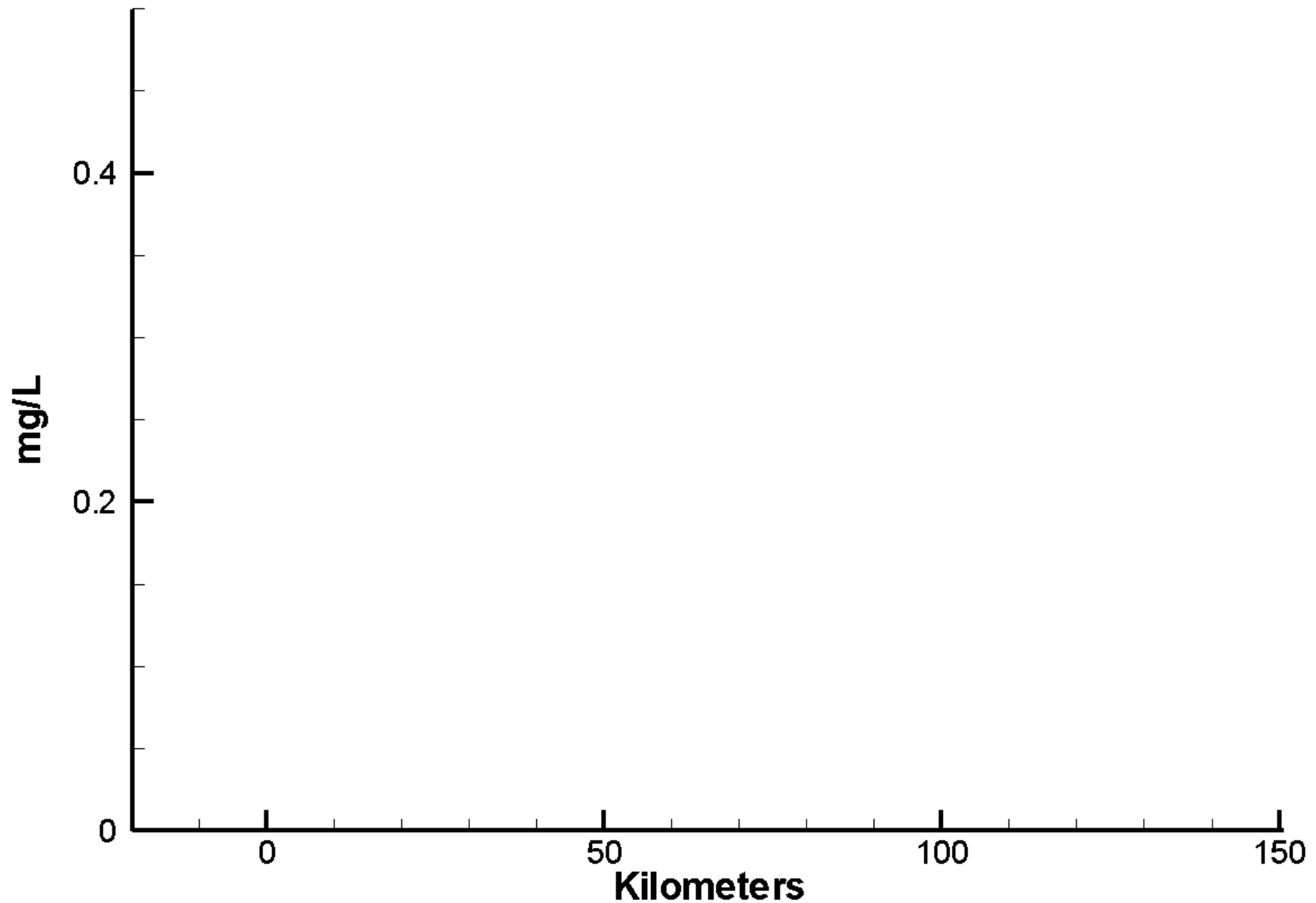
# James River 2002-2011 Run59

## Surface Dissolved Oxygen Summer 2007

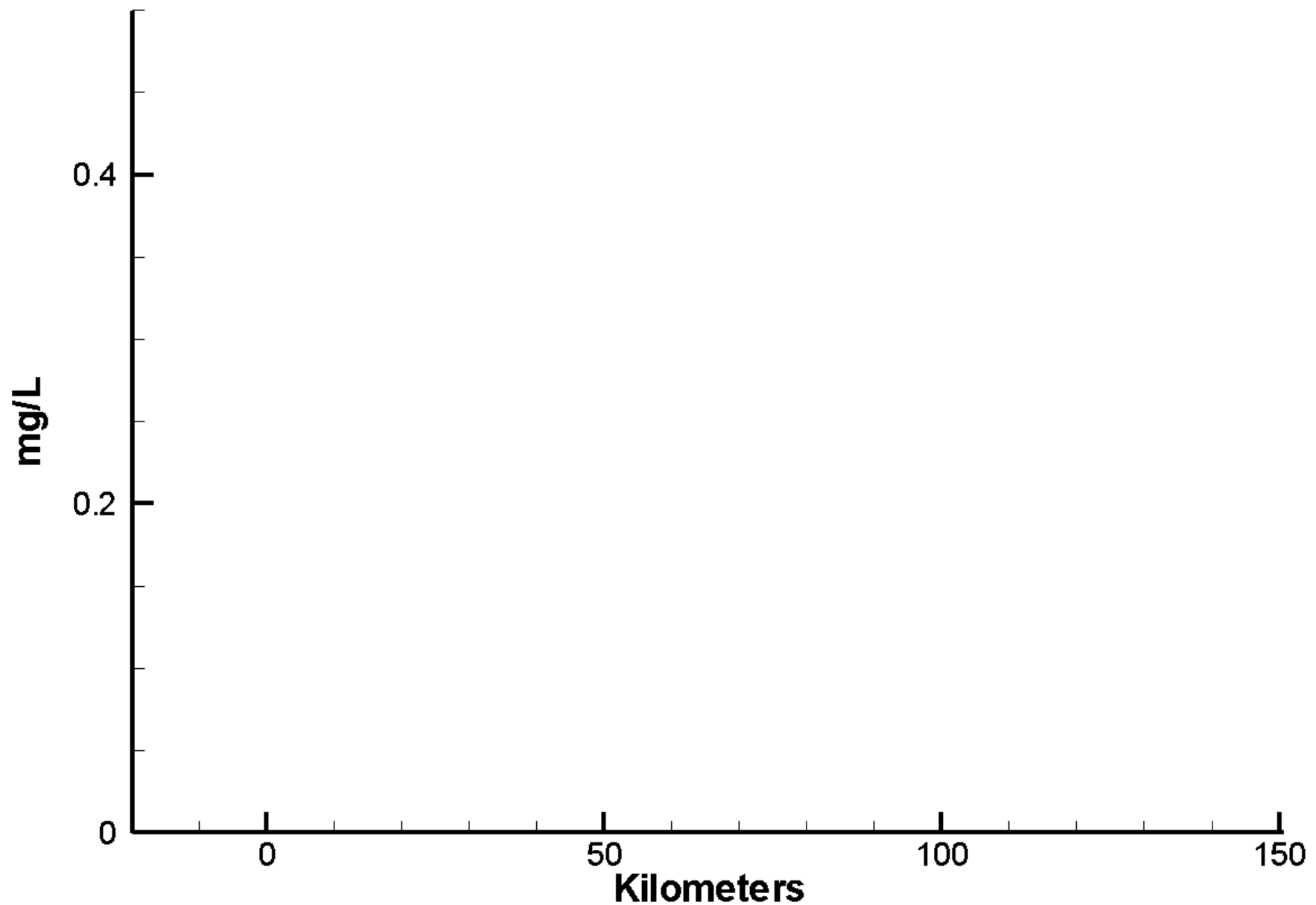


# James River 2002-2011 Run59

## Bottom Dissolved Silica Summer 2007

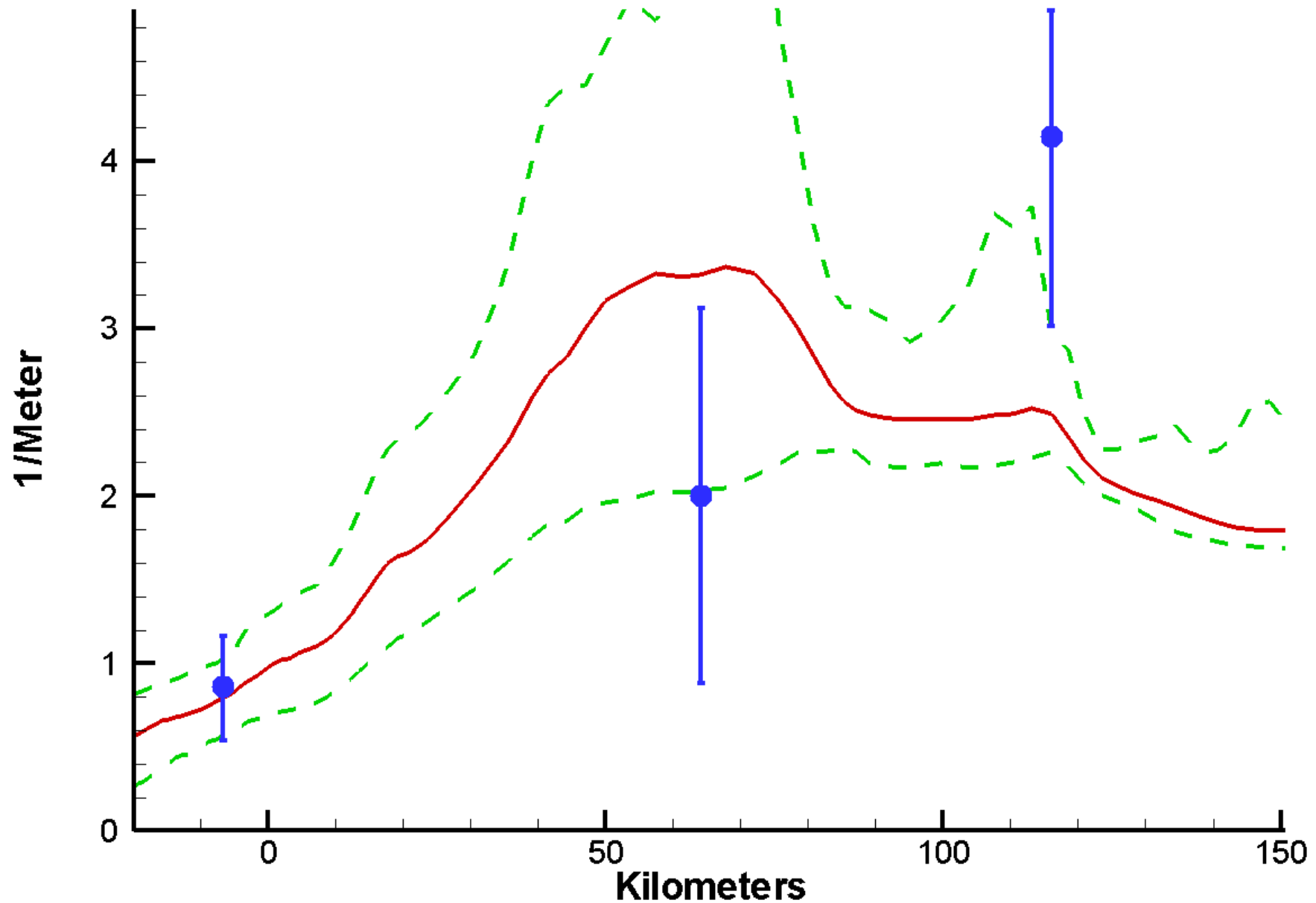


**James River 2002-2011 Run59**  
**Surface Dissolved Silica Summer 2007**

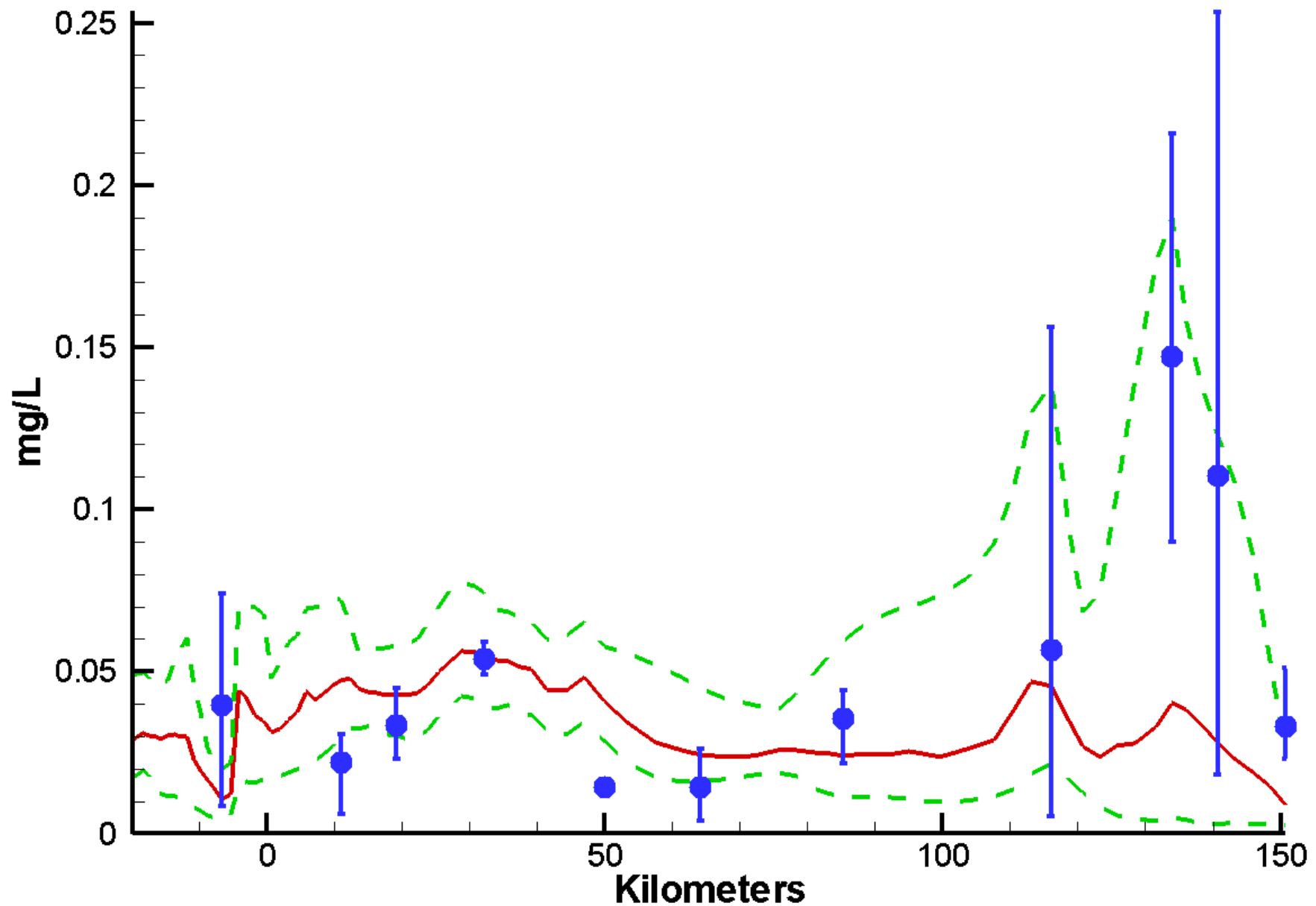


# James River 2002-2011 Run59

## Surface Light Extinction Summer 2007

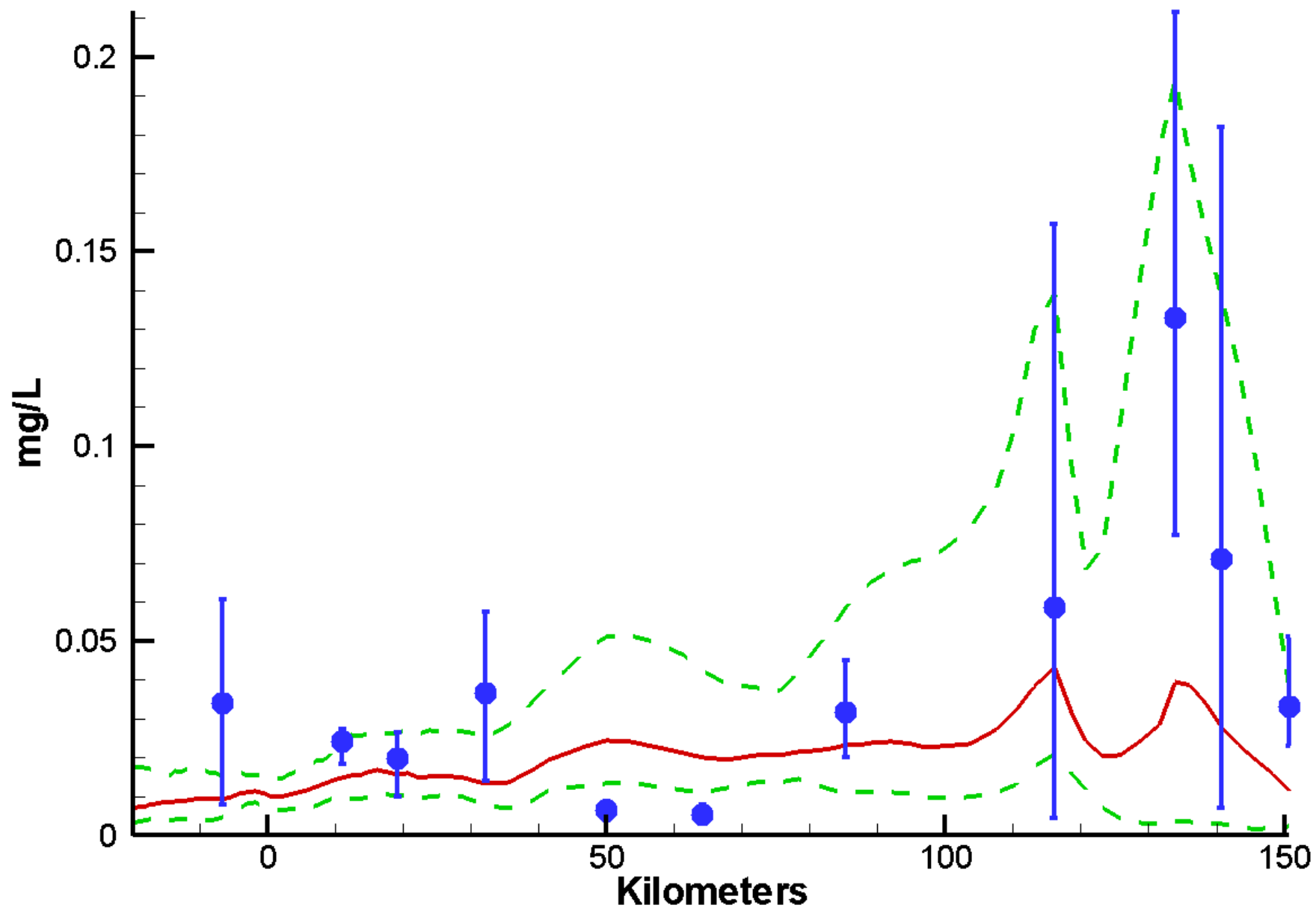


# James River 2002-2011 Run59 Bottom Ammonium Summer 2007



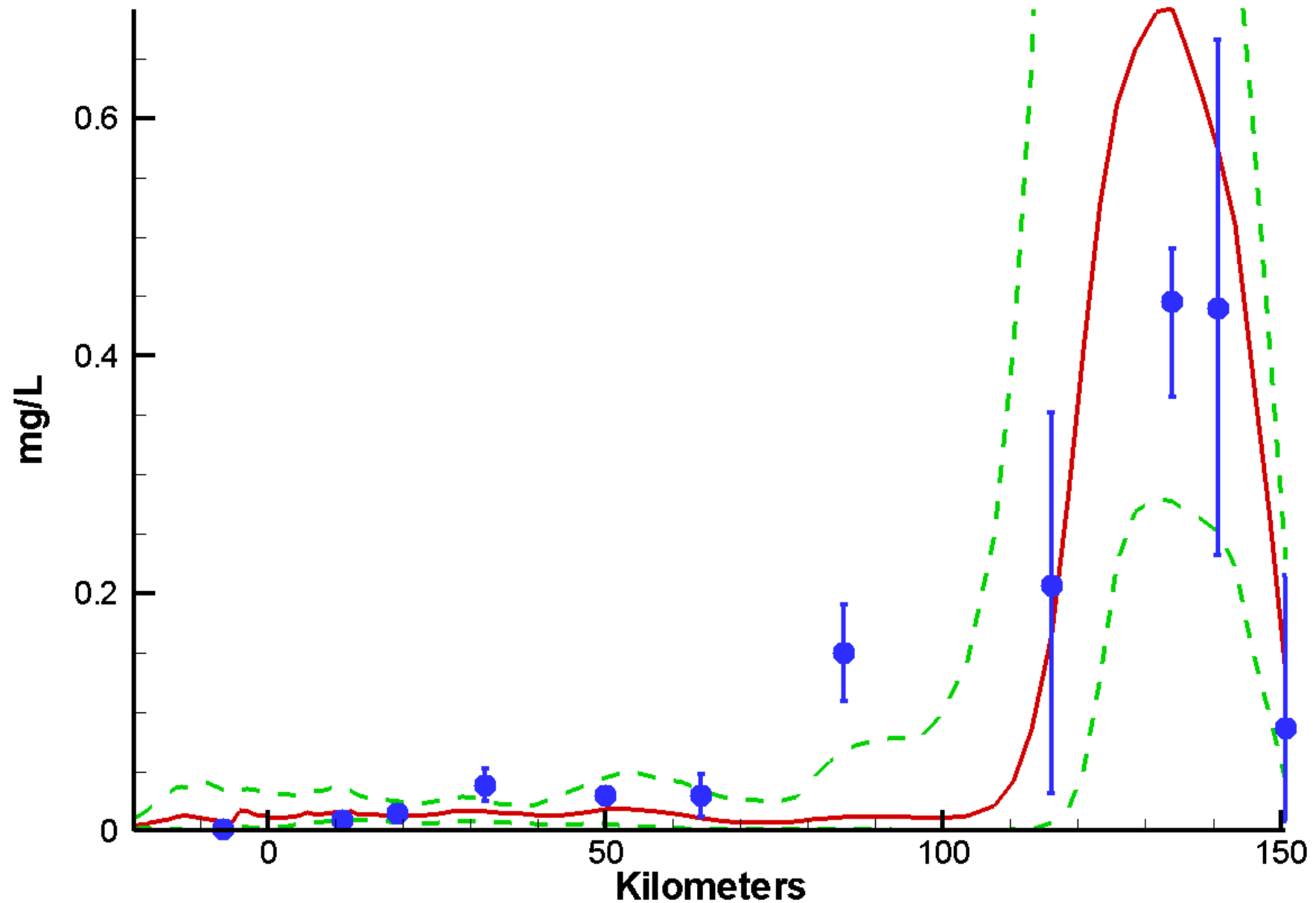
# James River 2002-2011 Run59

## Surface Ammonium Summer 2007



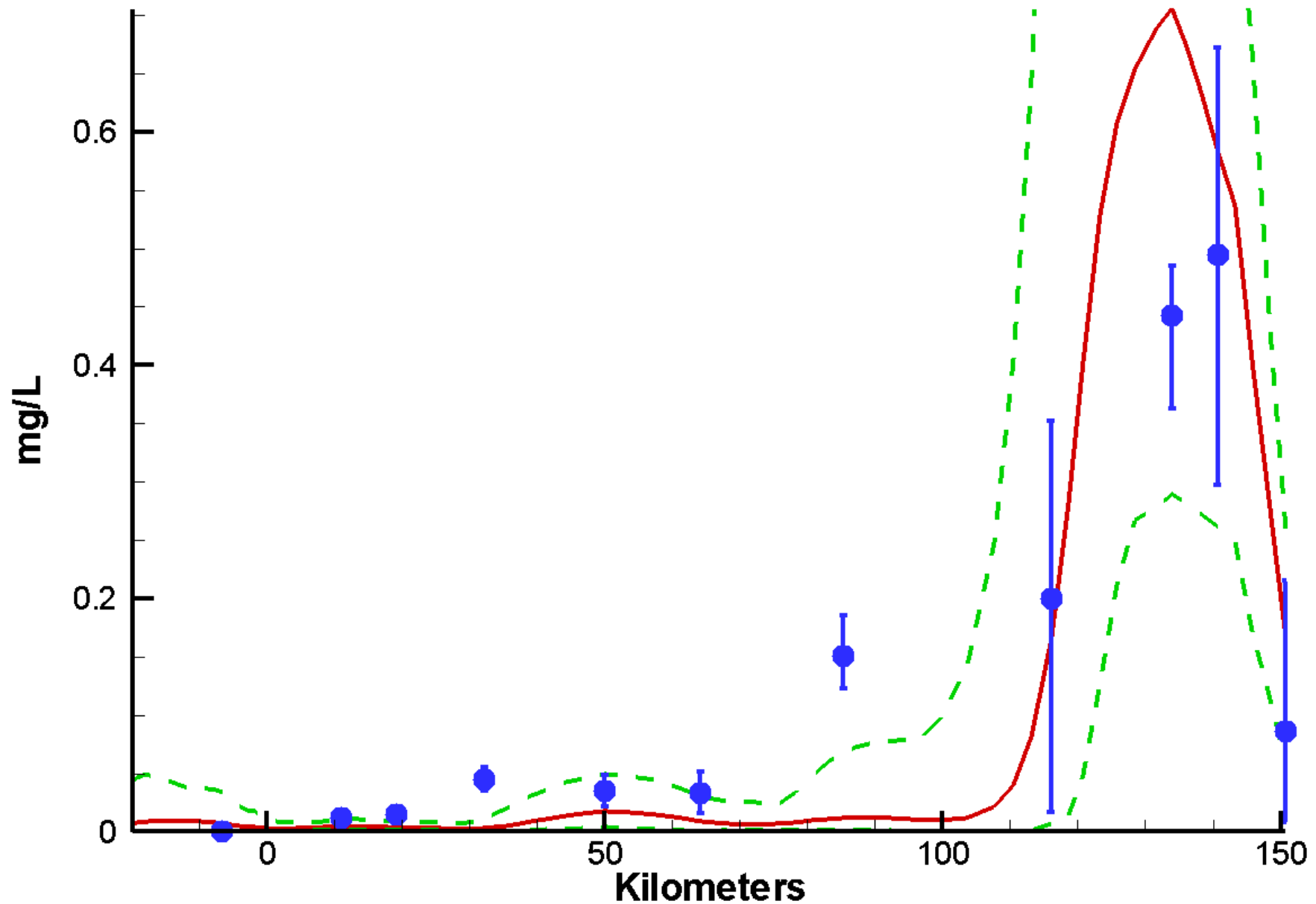
# James River 2002-2011 Run59

## Bottom Nitrate Summer 2007



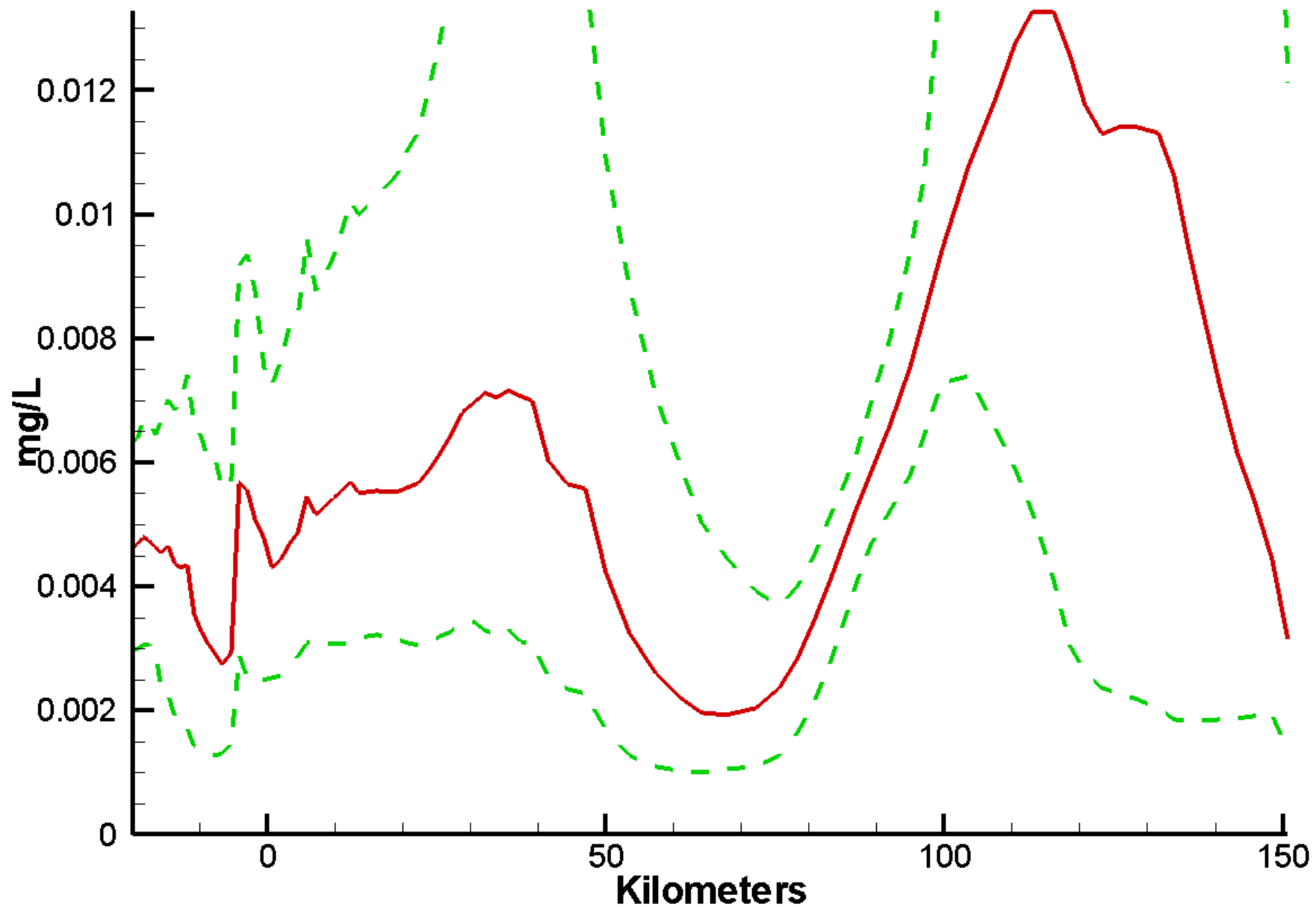


# James River 2002-2011 Run59 Surface Nitrate Summer 2007



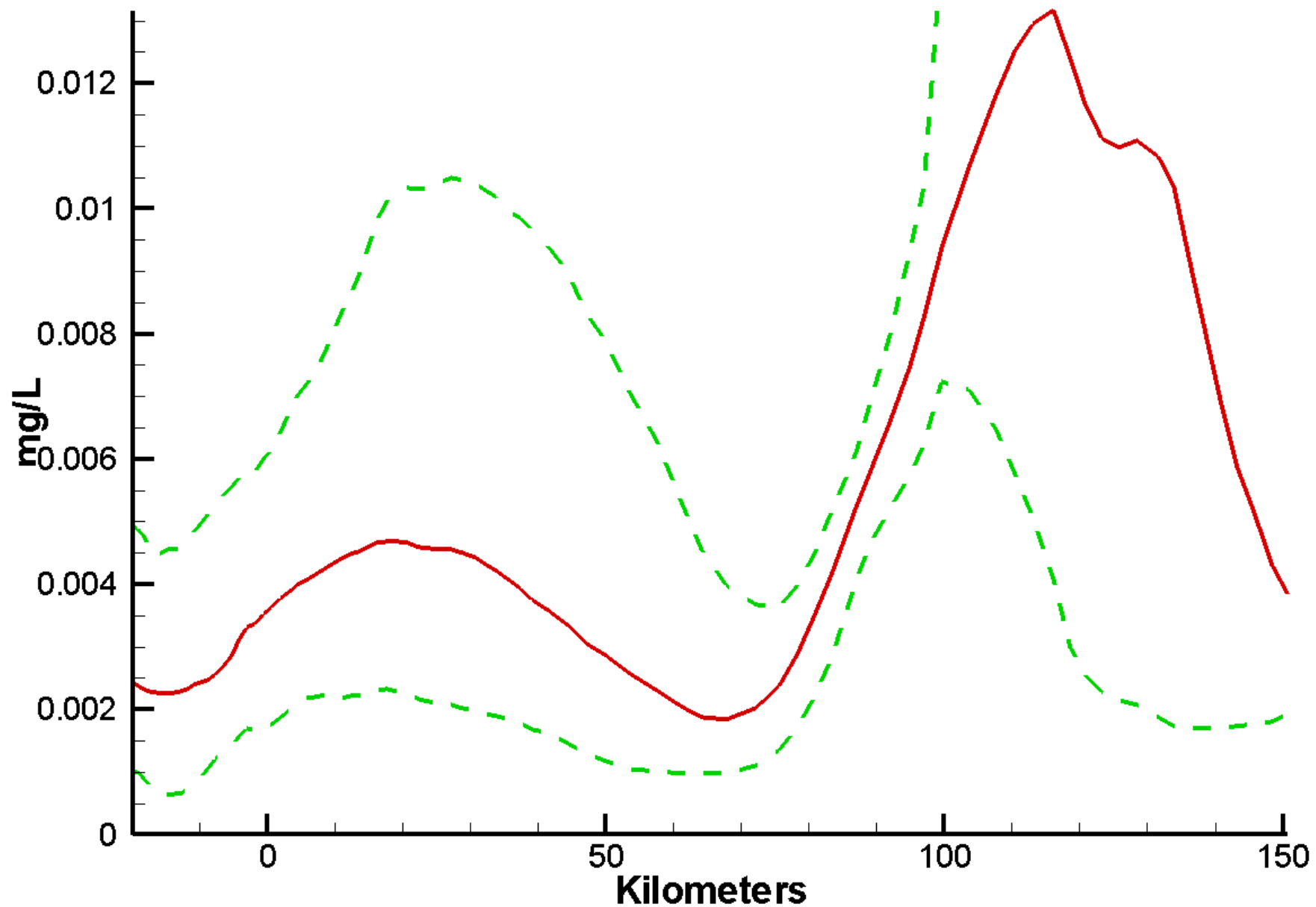
# James River 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 2000



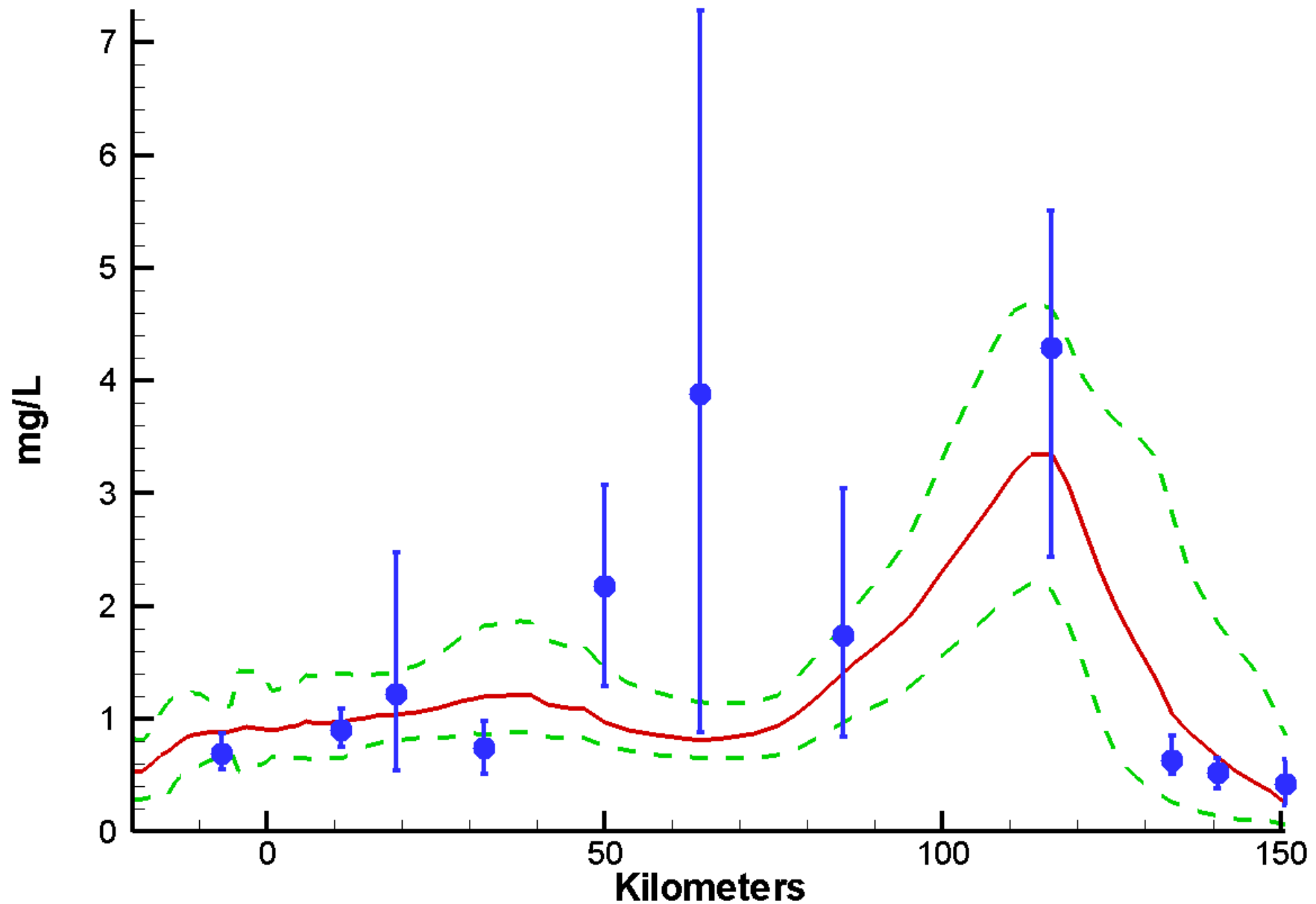
# James River 2002-2011 Run59

## Surface Particulate Inorganic Phosphorus Summer 2000



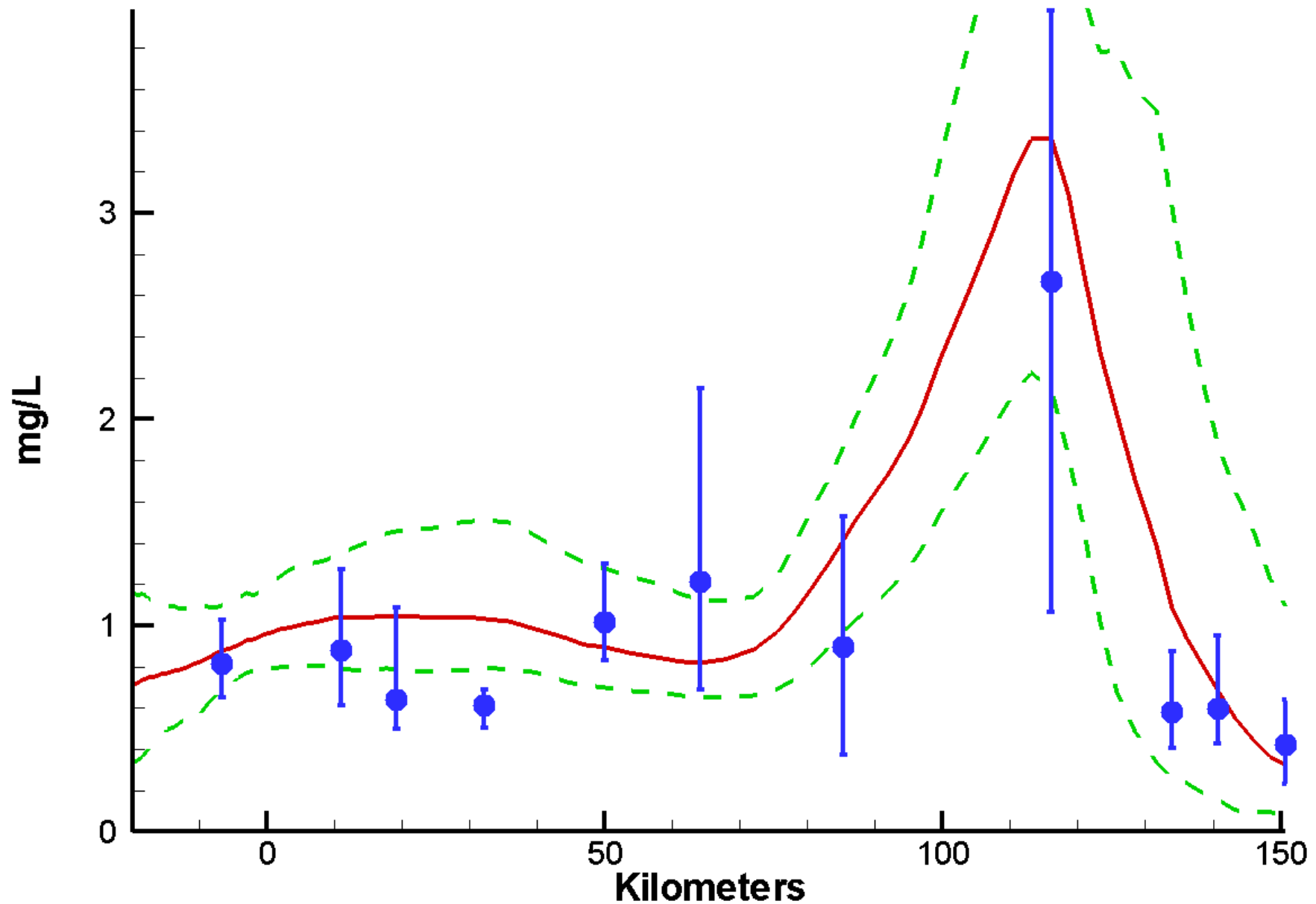
# James River 2002-2011 Run59

## Bottom Particulate Organic Carbon Summer 2007



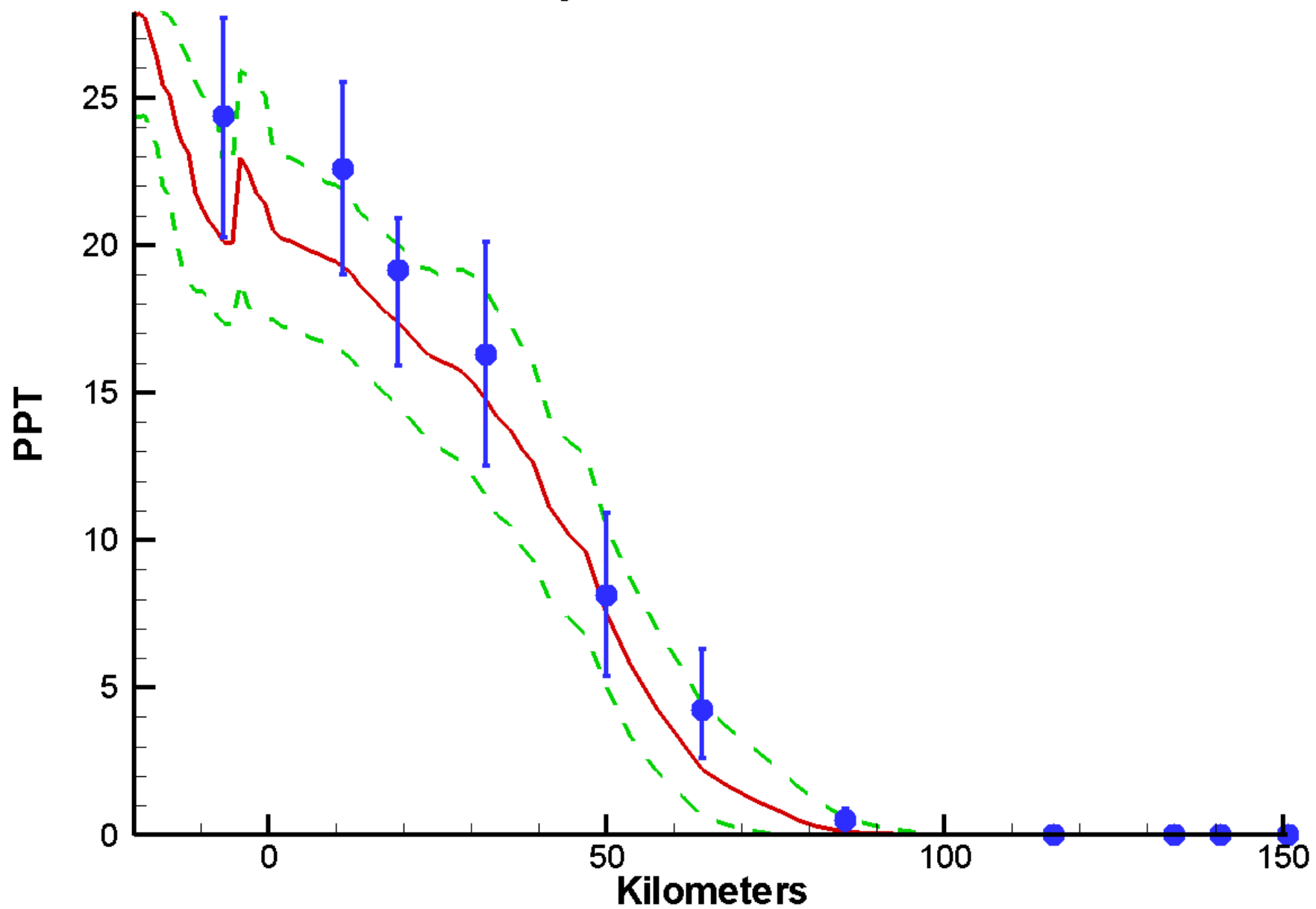
# James River 2002-2011 Run59

## Surface Particulate Organic Carbon Summer 2007

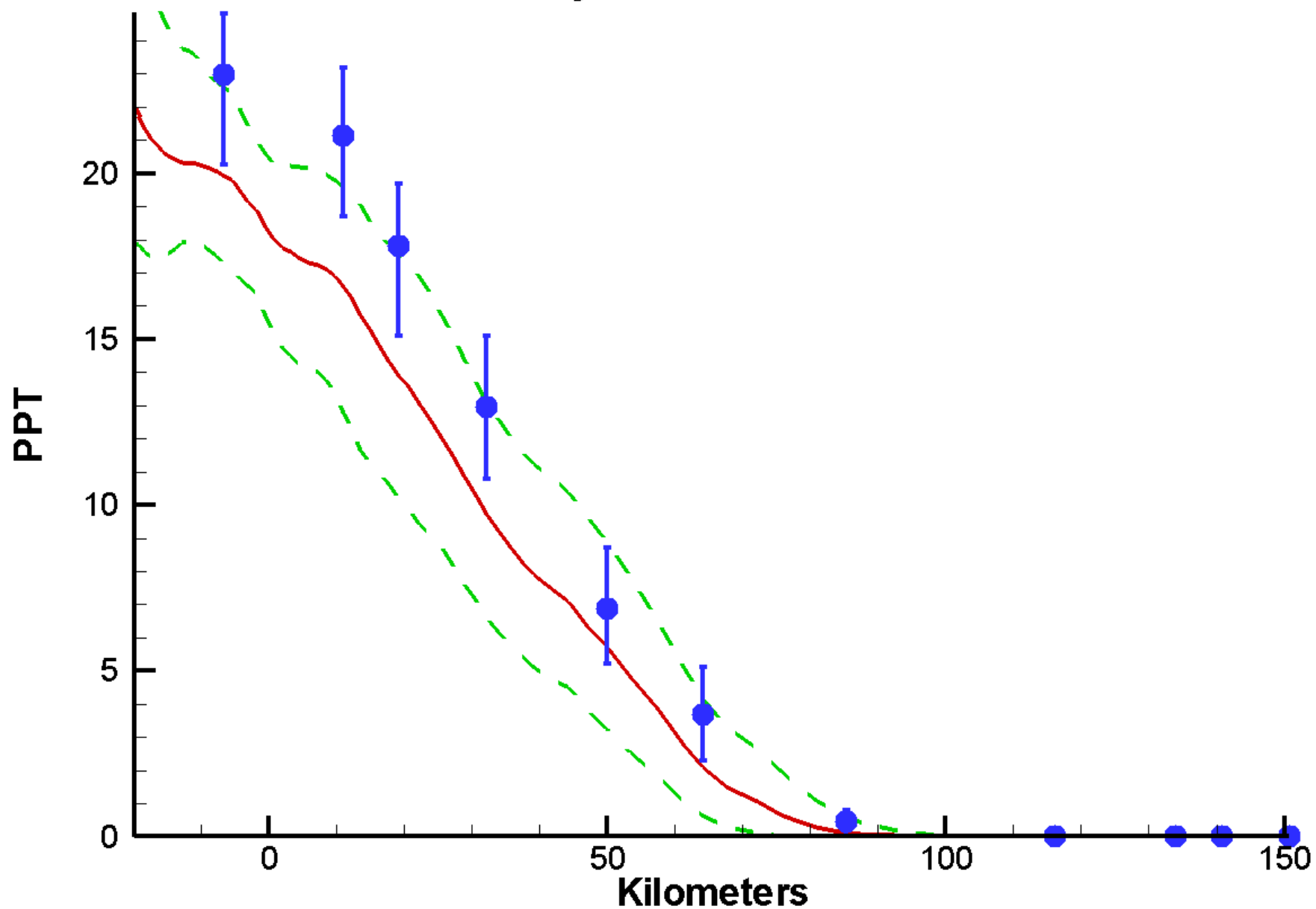


# James River 2002-2011 Run59

## Bottom Salinity Summer 2007

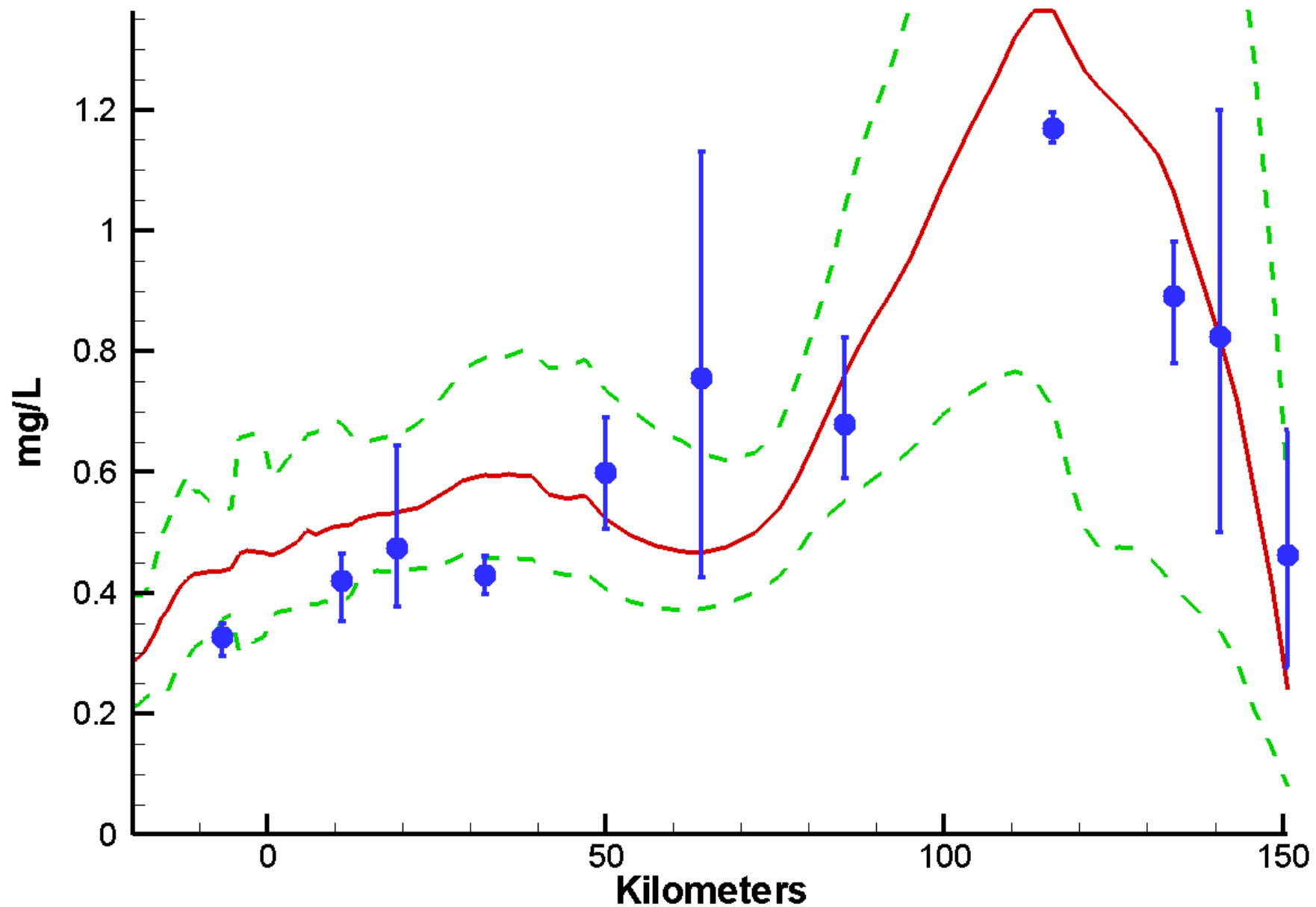


# James River 2002-2011 Run59 Surface Salinity Summer 2007



# James River 2002-2011 Run59

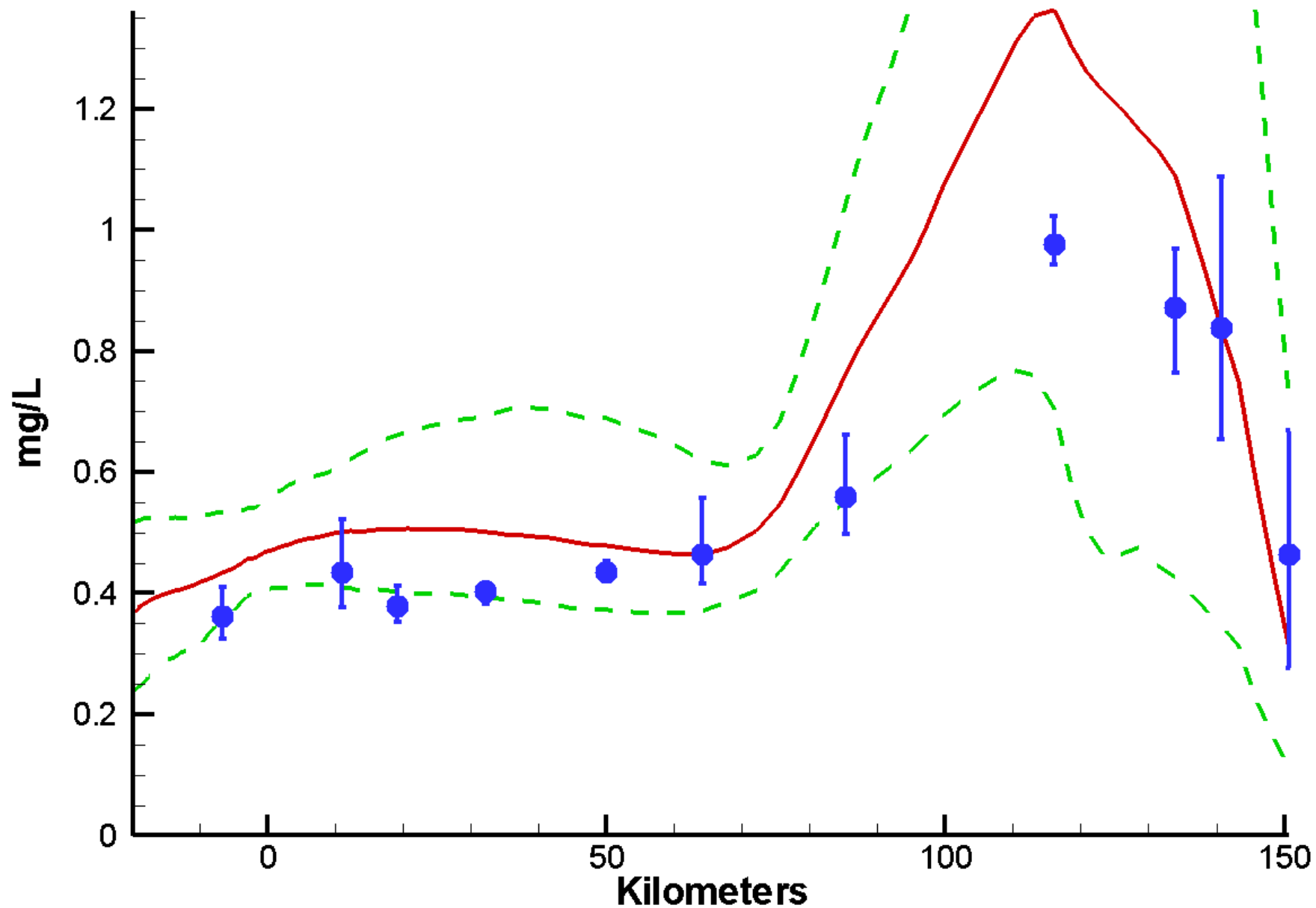
## Bottom Total Nitrogen Summer 2007



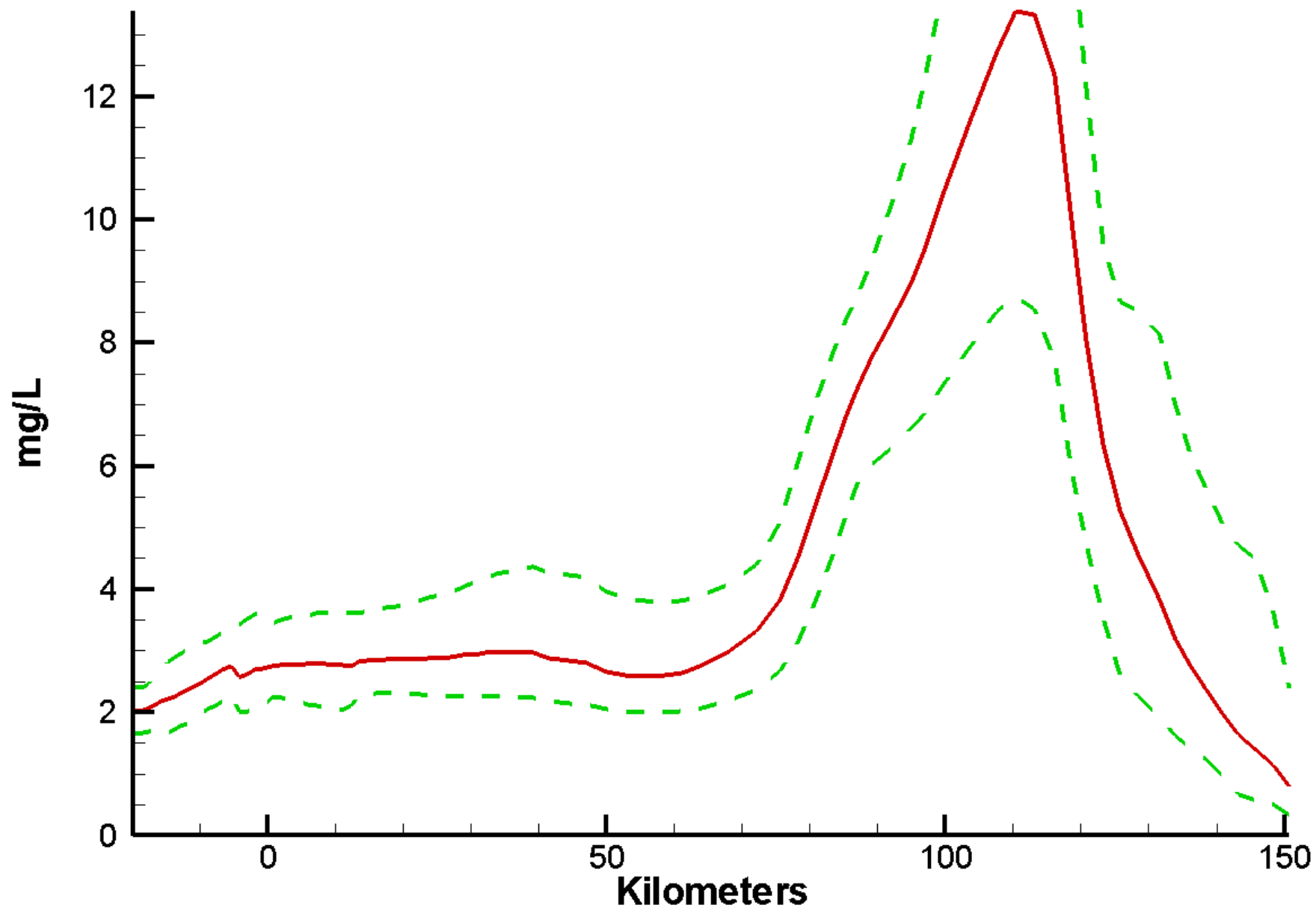


# James River 2002-2011 Run59

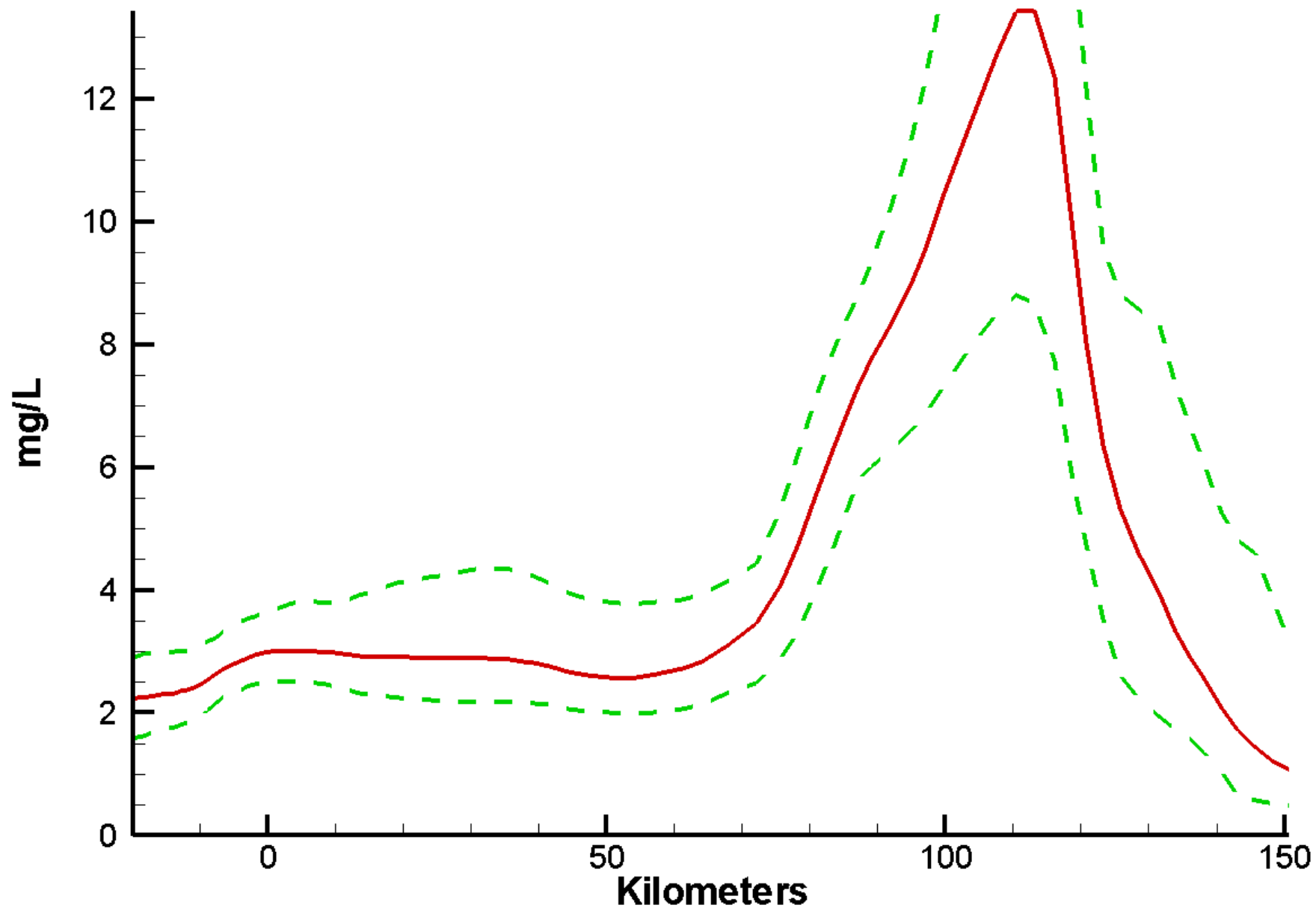
## Surface Total Nitrogen Summer 2007



**James River 2002-2011 Run59**  
**Bottom Total Organic Carbon Summer 2007**

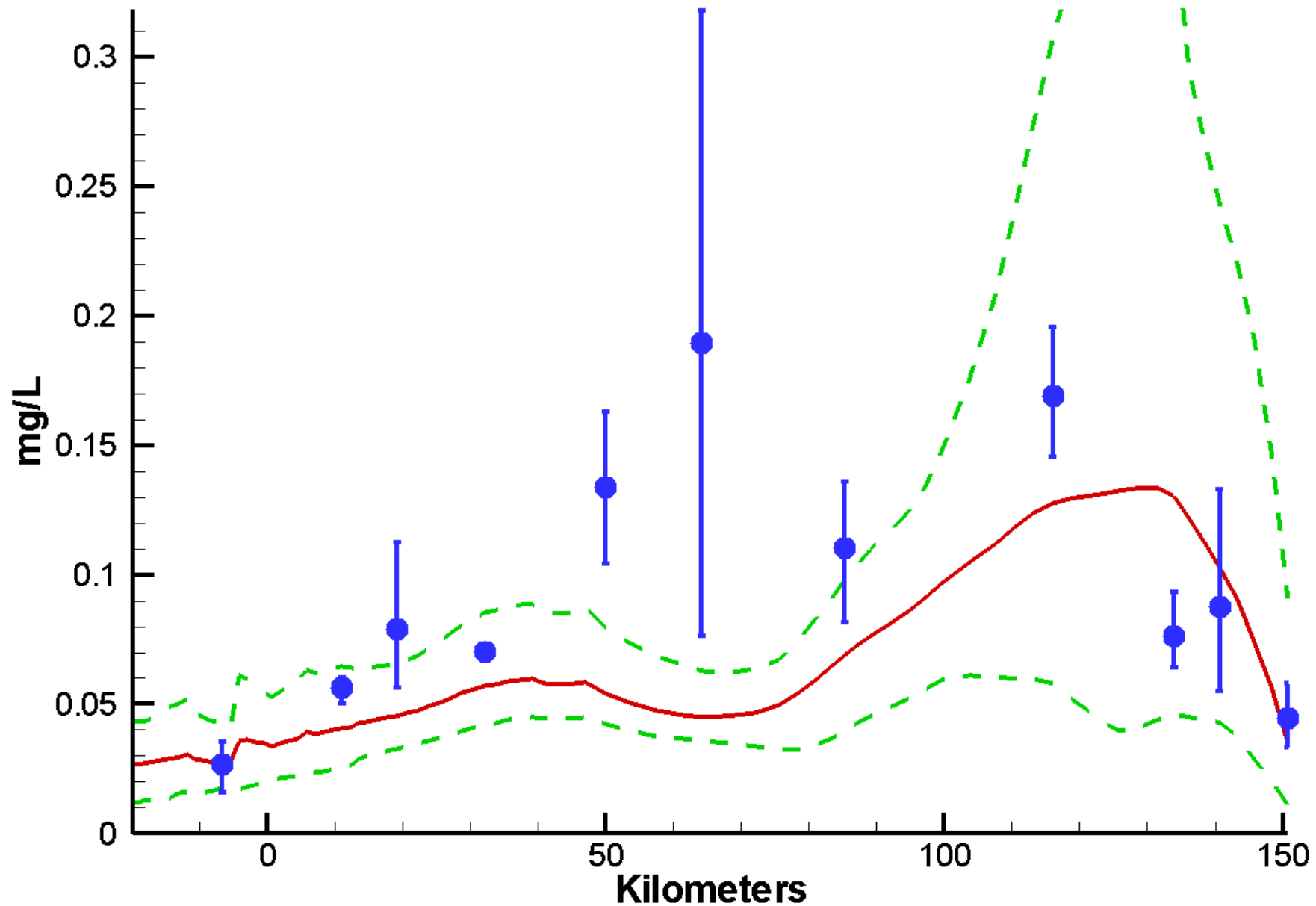


**James River 2002-2011 Run59**  
**Surface Total Organic Carbon Summer 2007**



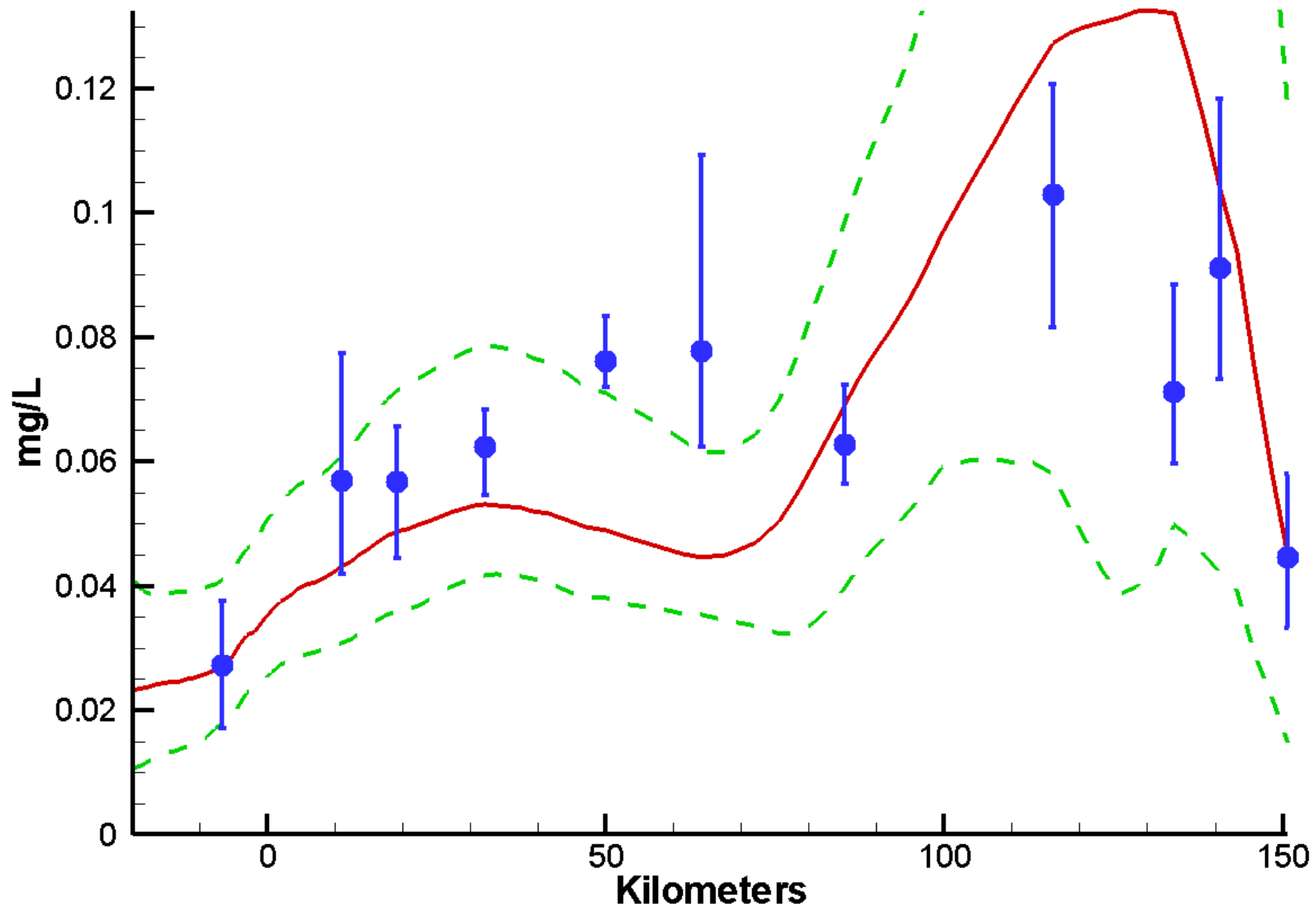
# James River 2002-2011 Run59

## Bottom Total Phosphorus Summer 2007



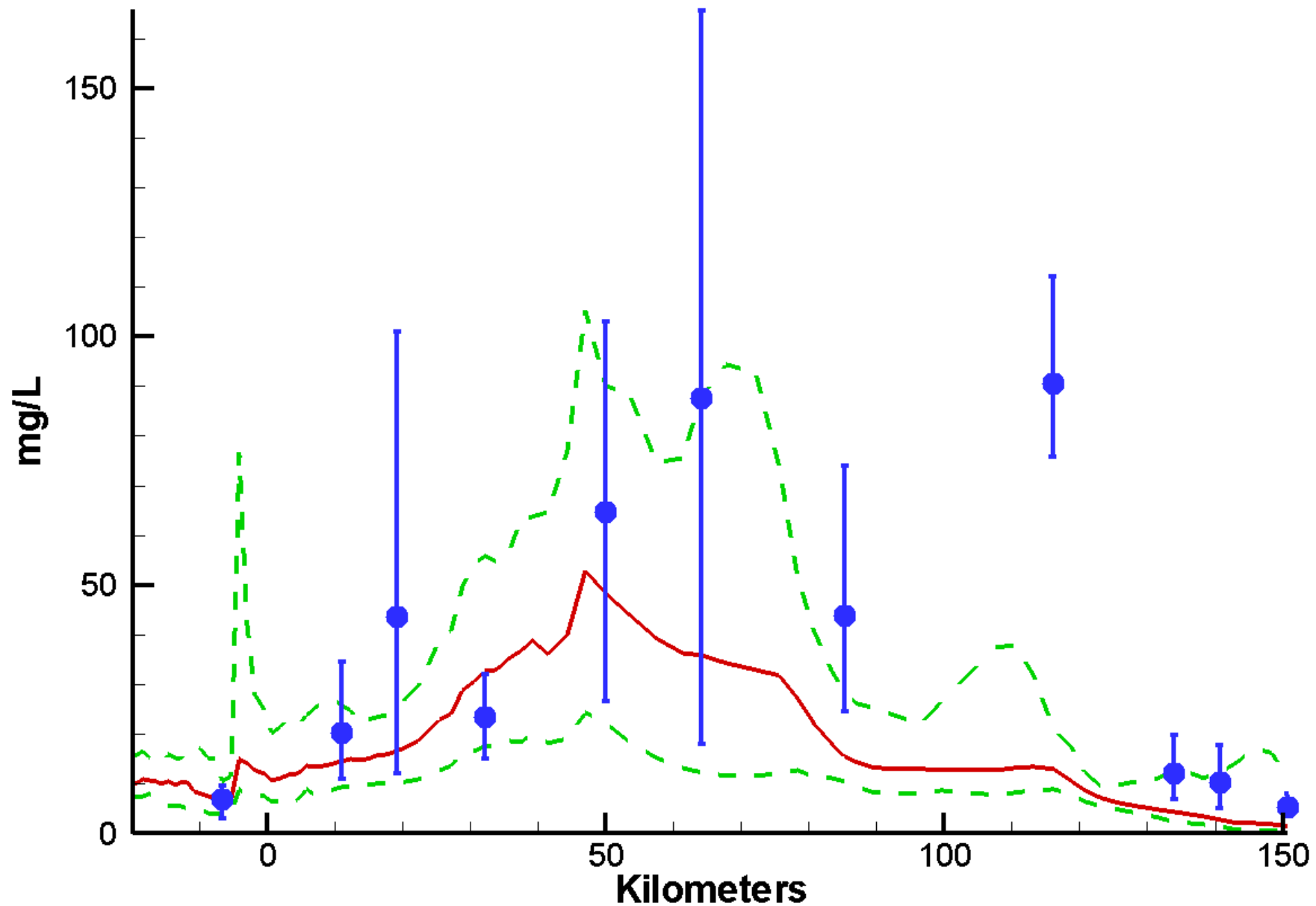
# James River 2002-2011 Run59

## Surface Total Phosphorus Summer 2007



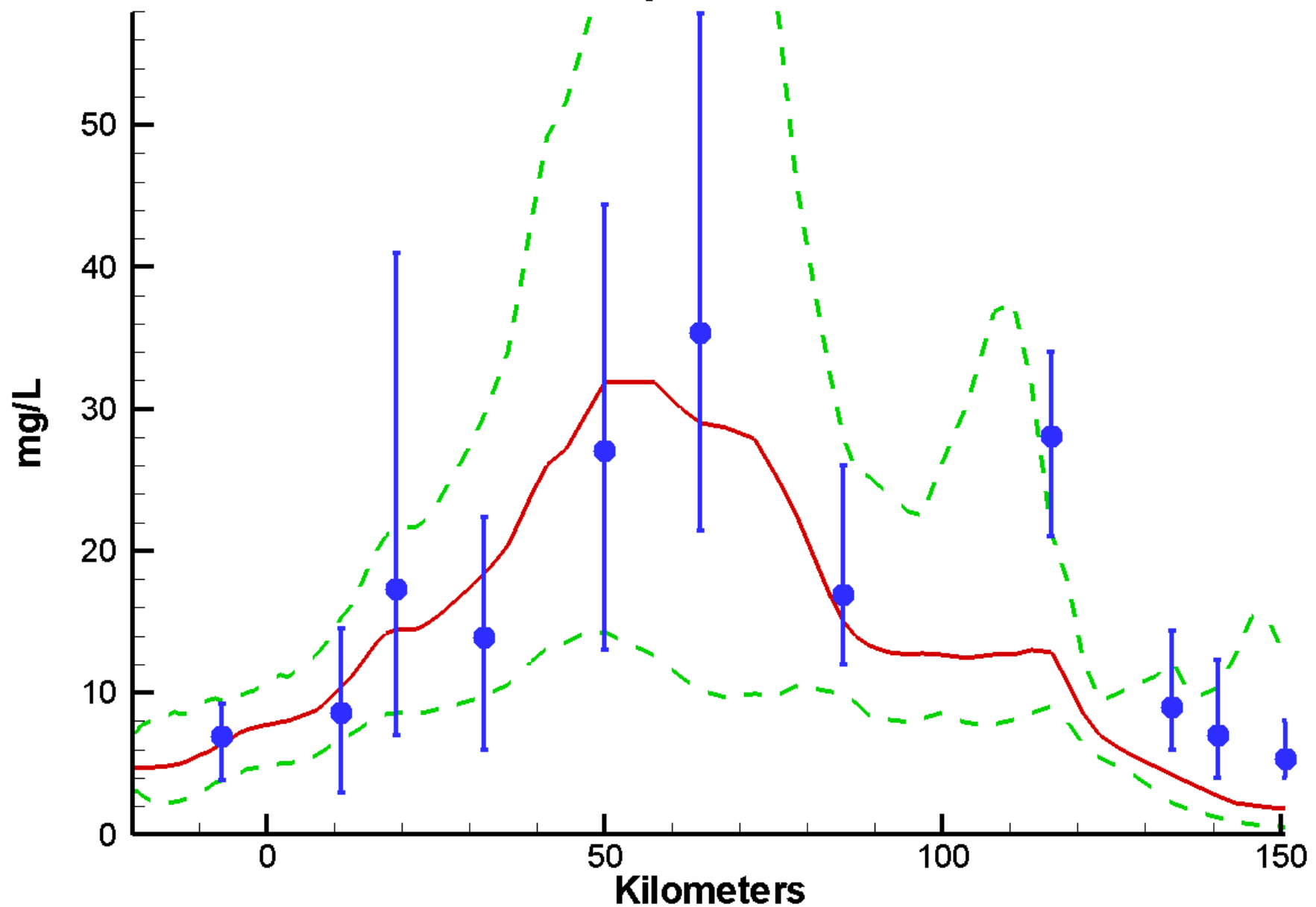
# James River 2002-2011 Run59

## Bottom Total Suspended Solids Summer 2007



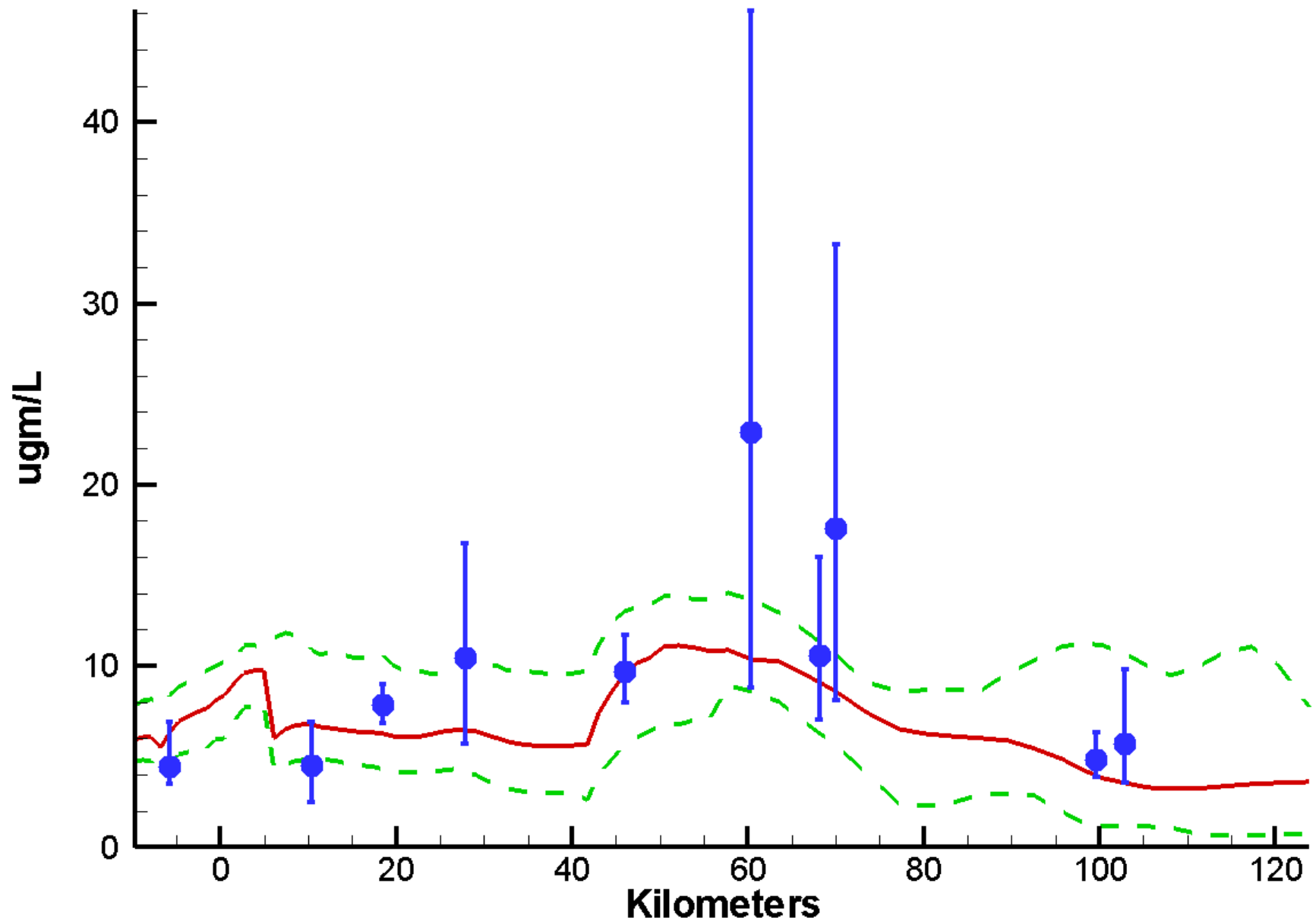
# James River 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007



# York River 2002-2011 Run59

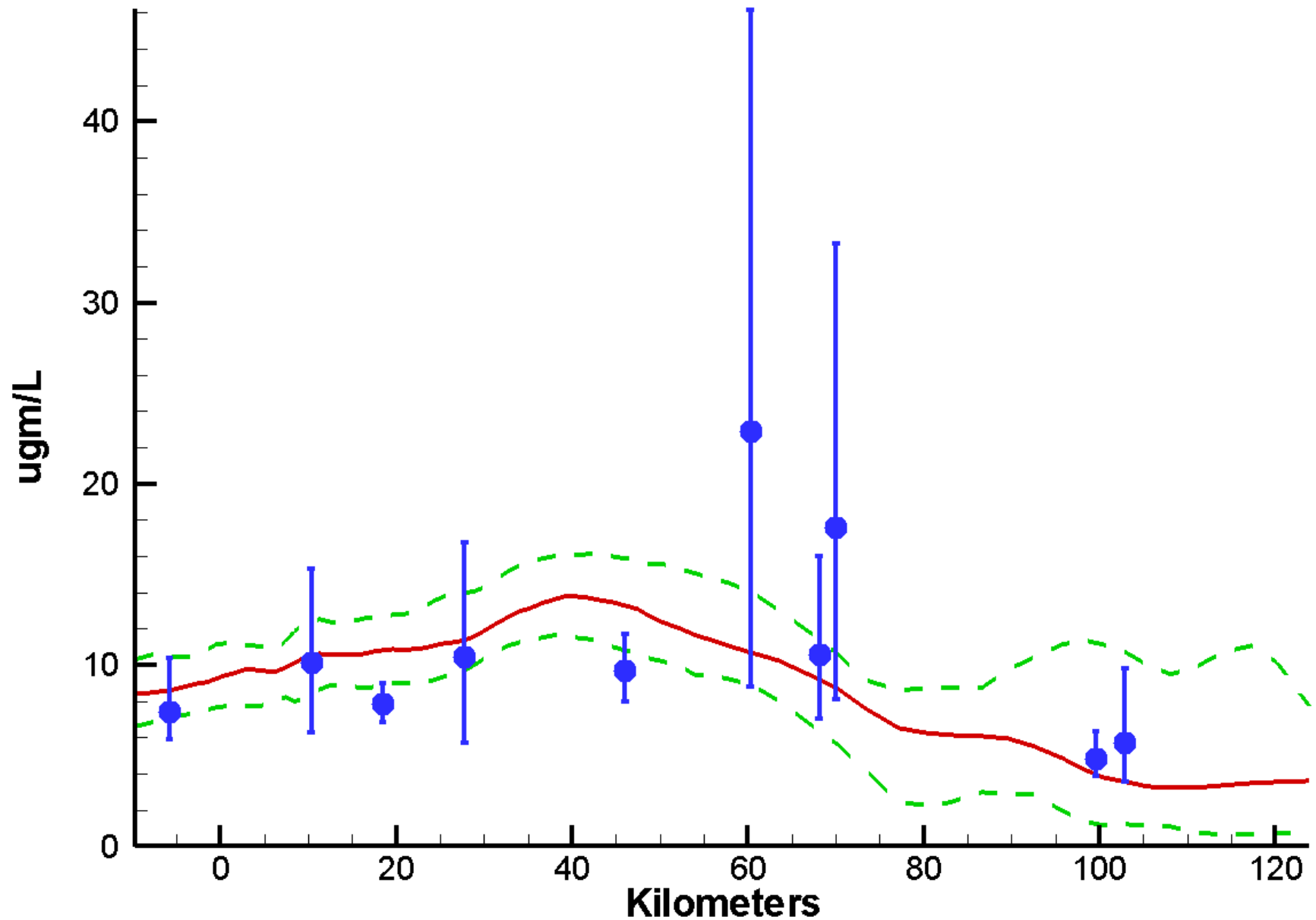
## Bottom Chlorophyll Summer 2007





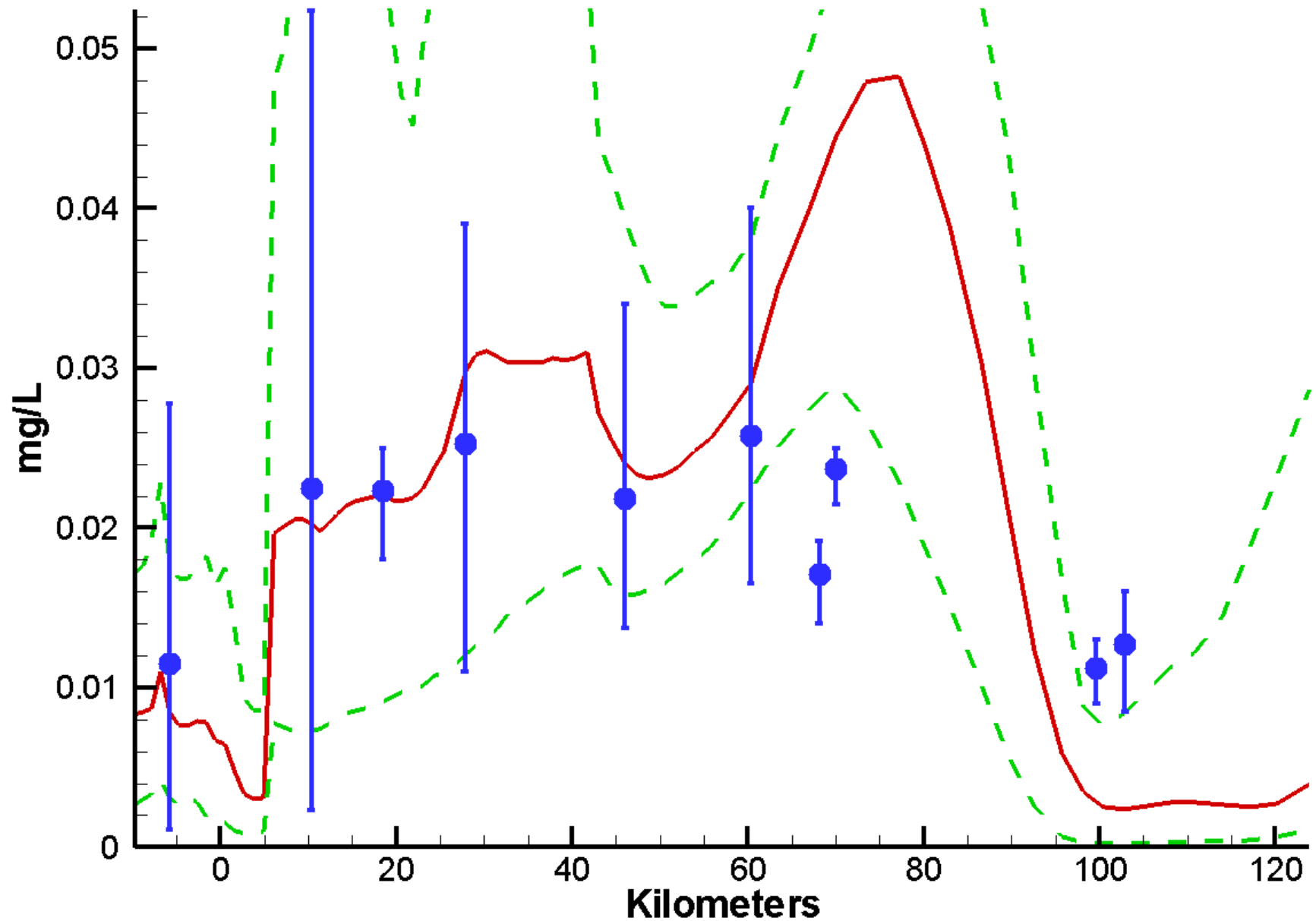
# York River 2002-2011 Run59

## Surface Chlorophyll Summer 2007



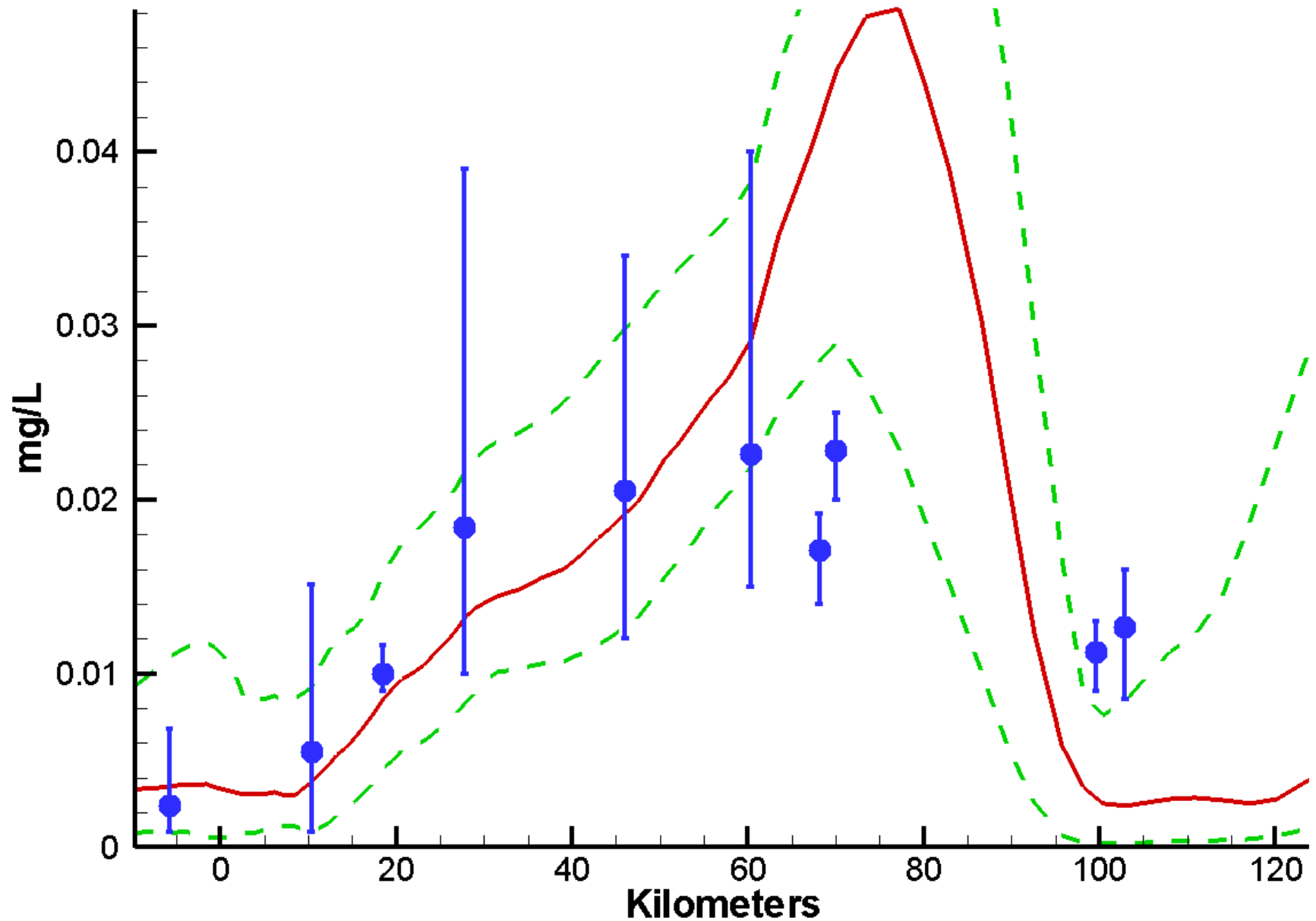
# York River 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007



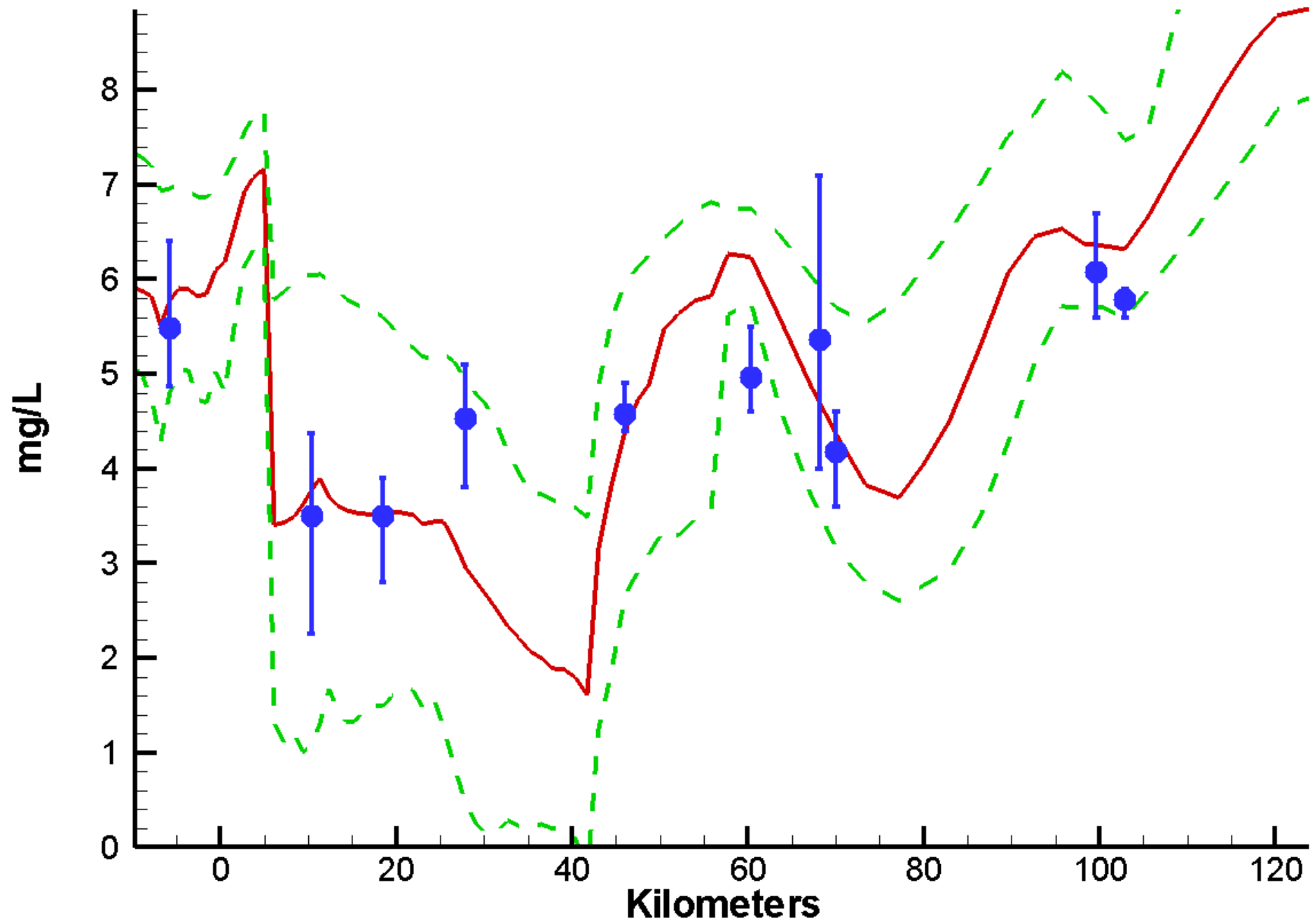
# York River 2002-2011 Run59

## Surface Dissolved Phosphate Summer 2007



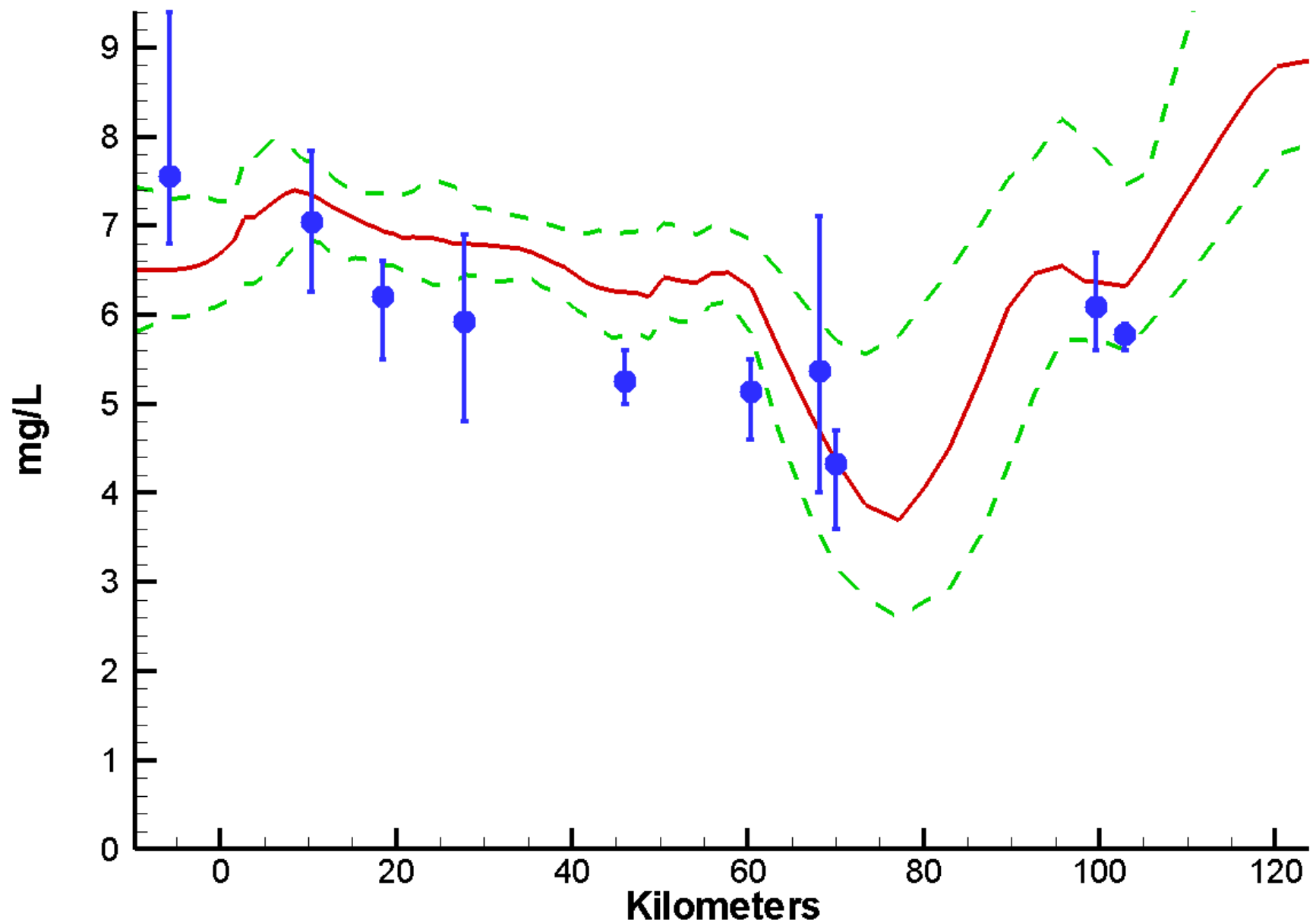
# York River 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007



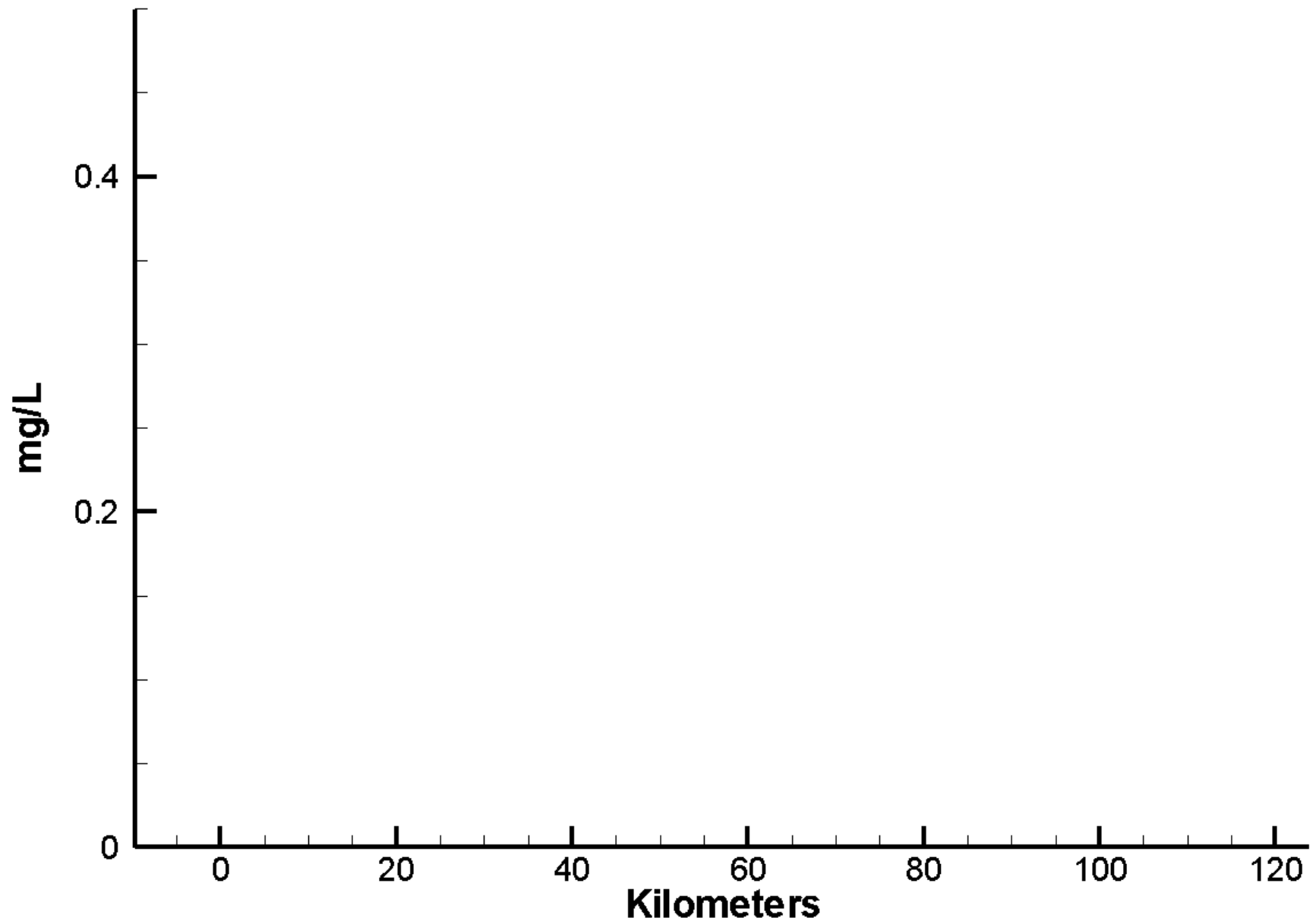
# York River 2002-2011 Run59

## Surface Dissolved Oxygen Summer 2007



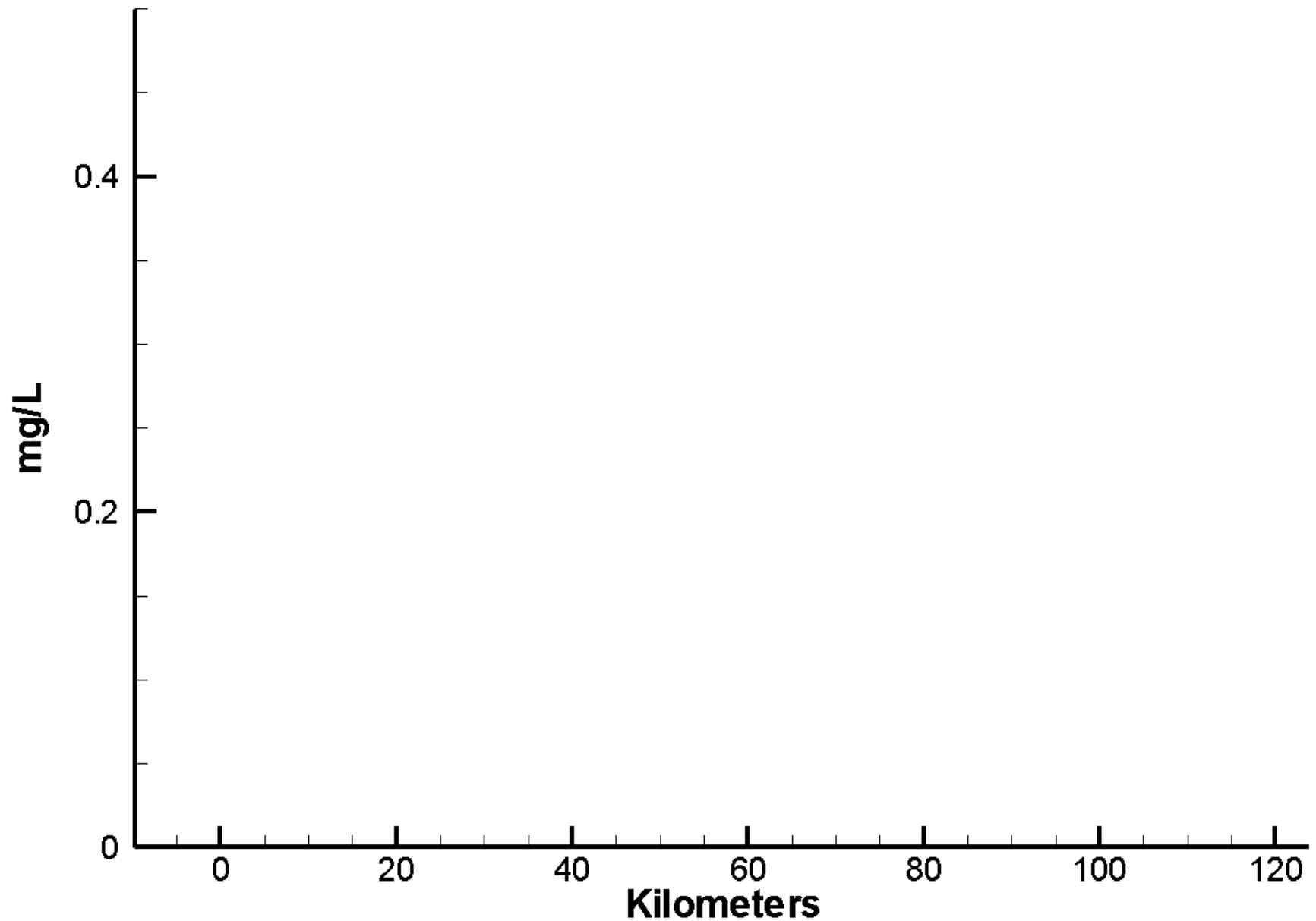
# York River 2002-2011 Run59

## Bottom Dissolved Silica Summer 2007



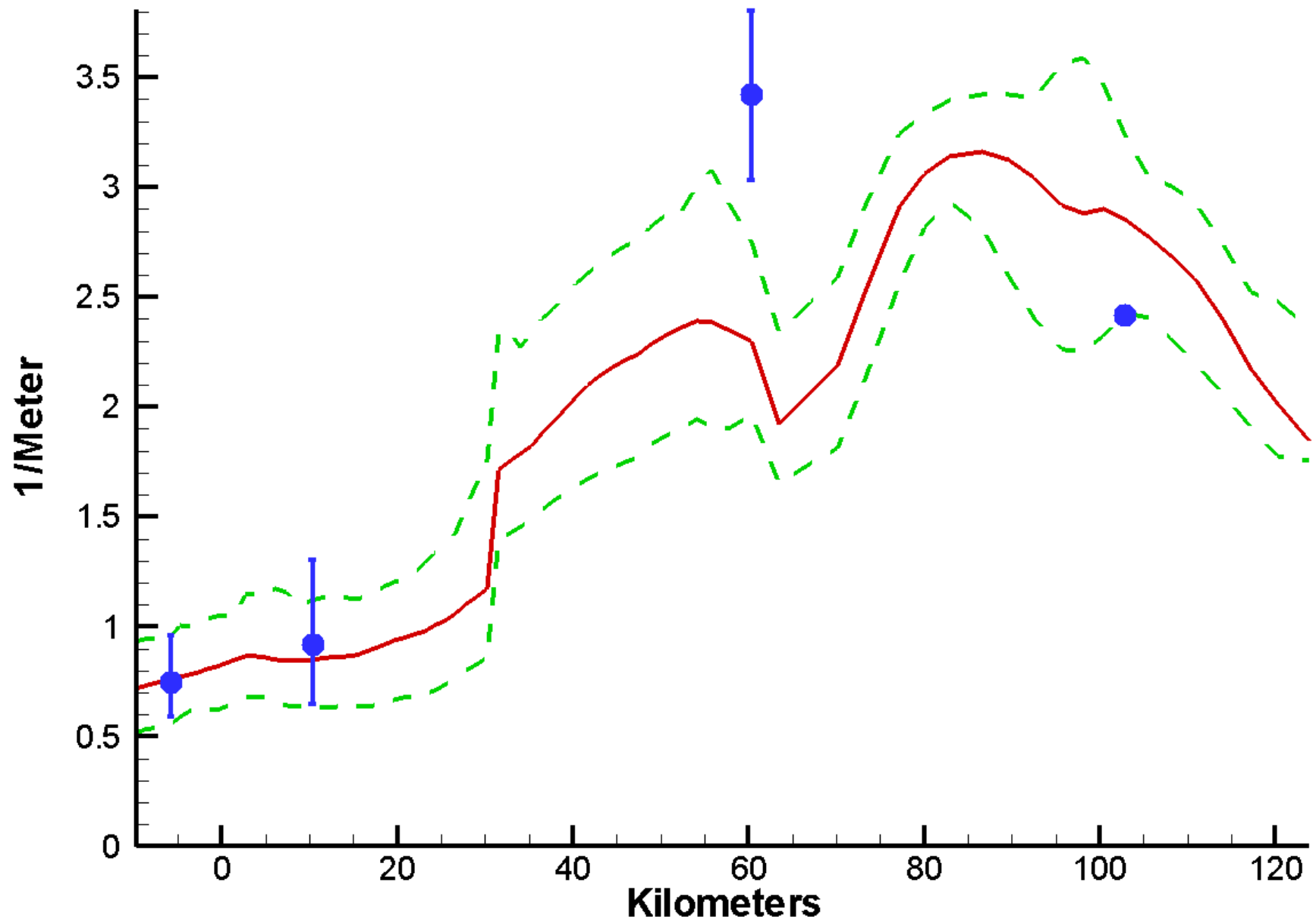
# York River 2002-2011 Run59

## Surface Dissolved Silica Summer 2007



# York River 2002-2011 Run59

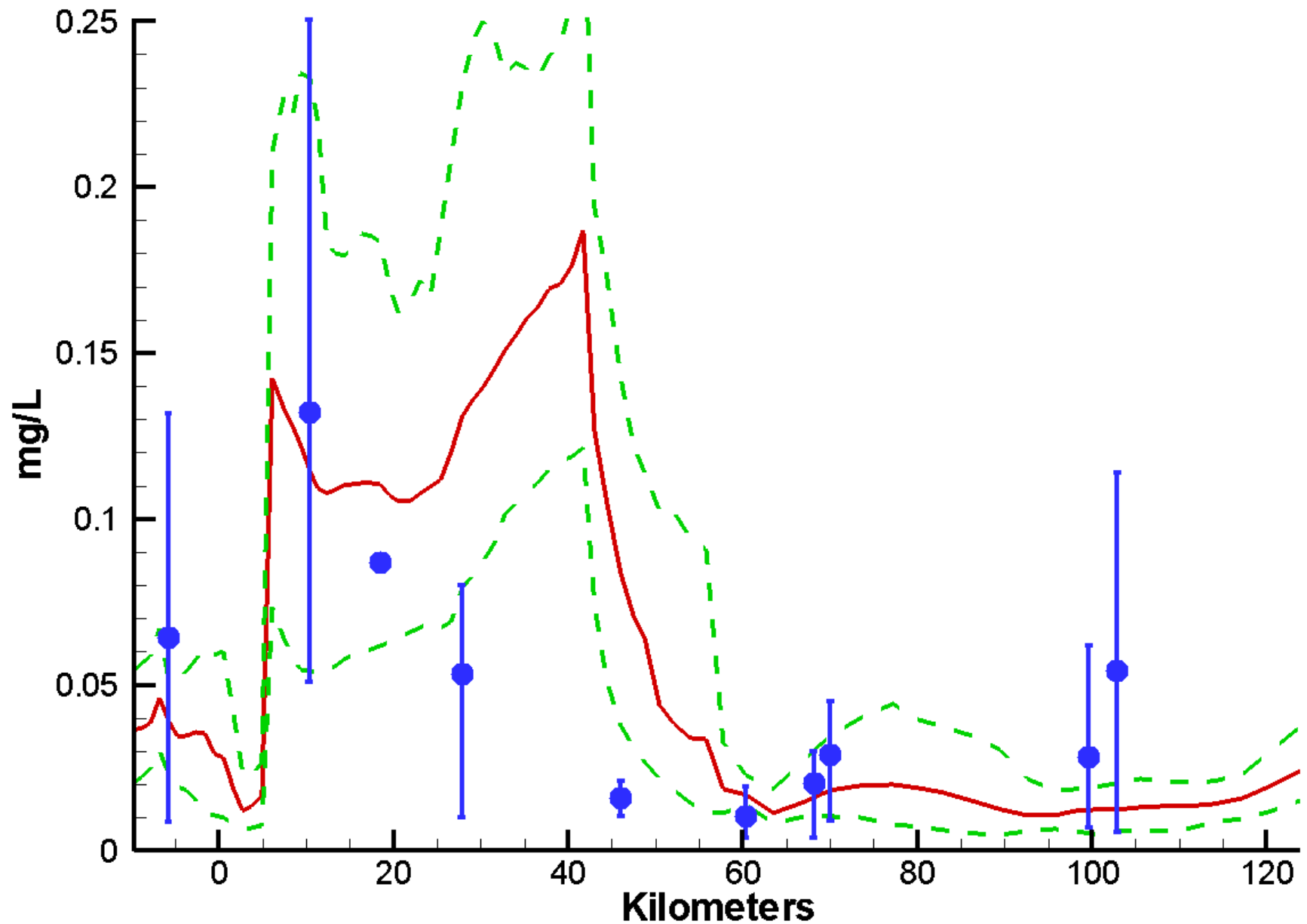
## Surface Light Extinction Summer 2007





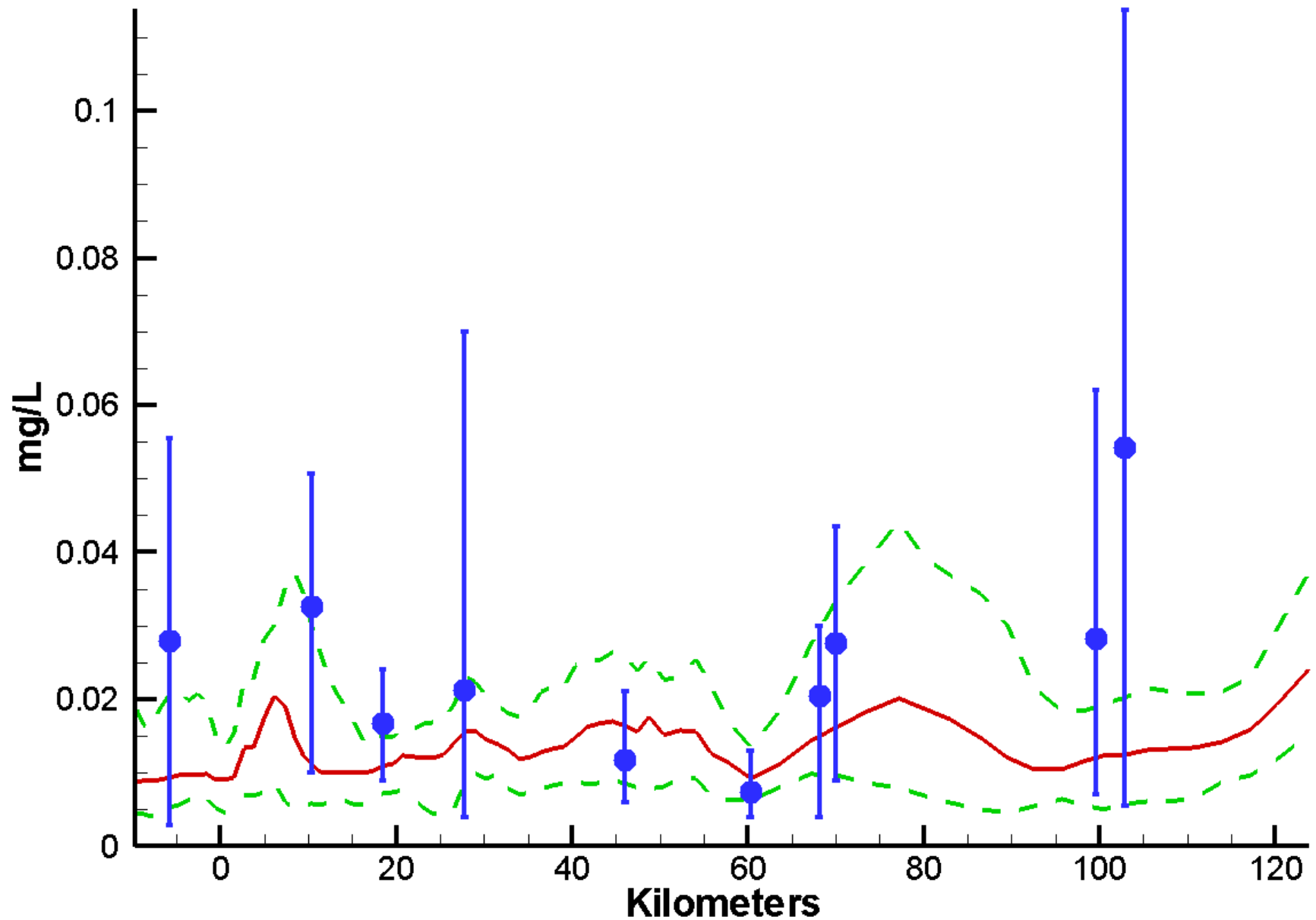
# York River 2002-2011 Run59

## Bottom Ammonium Summer 2007



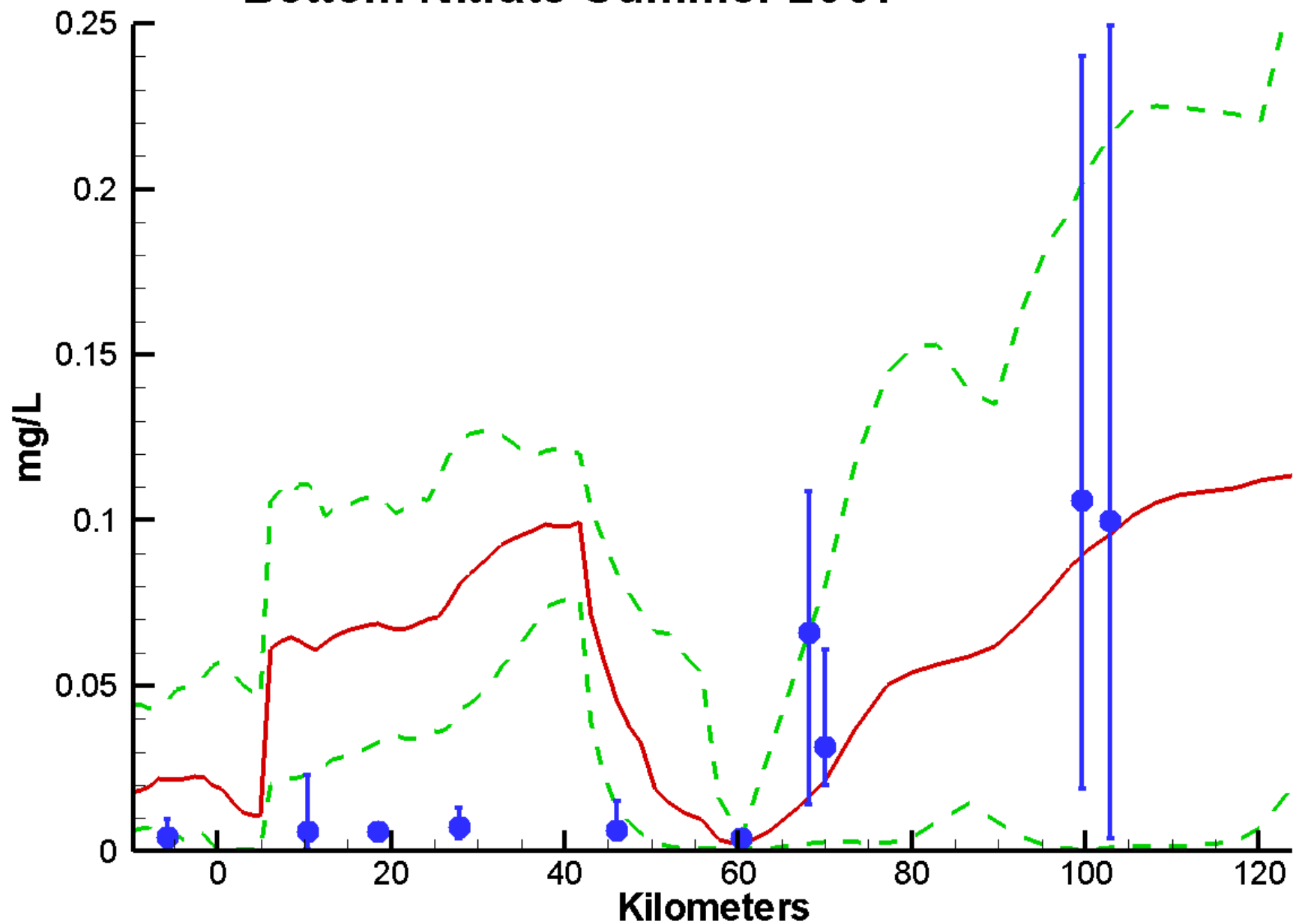
# York River 2002-2011 Run59

## Surface Ammonium Summer 2007

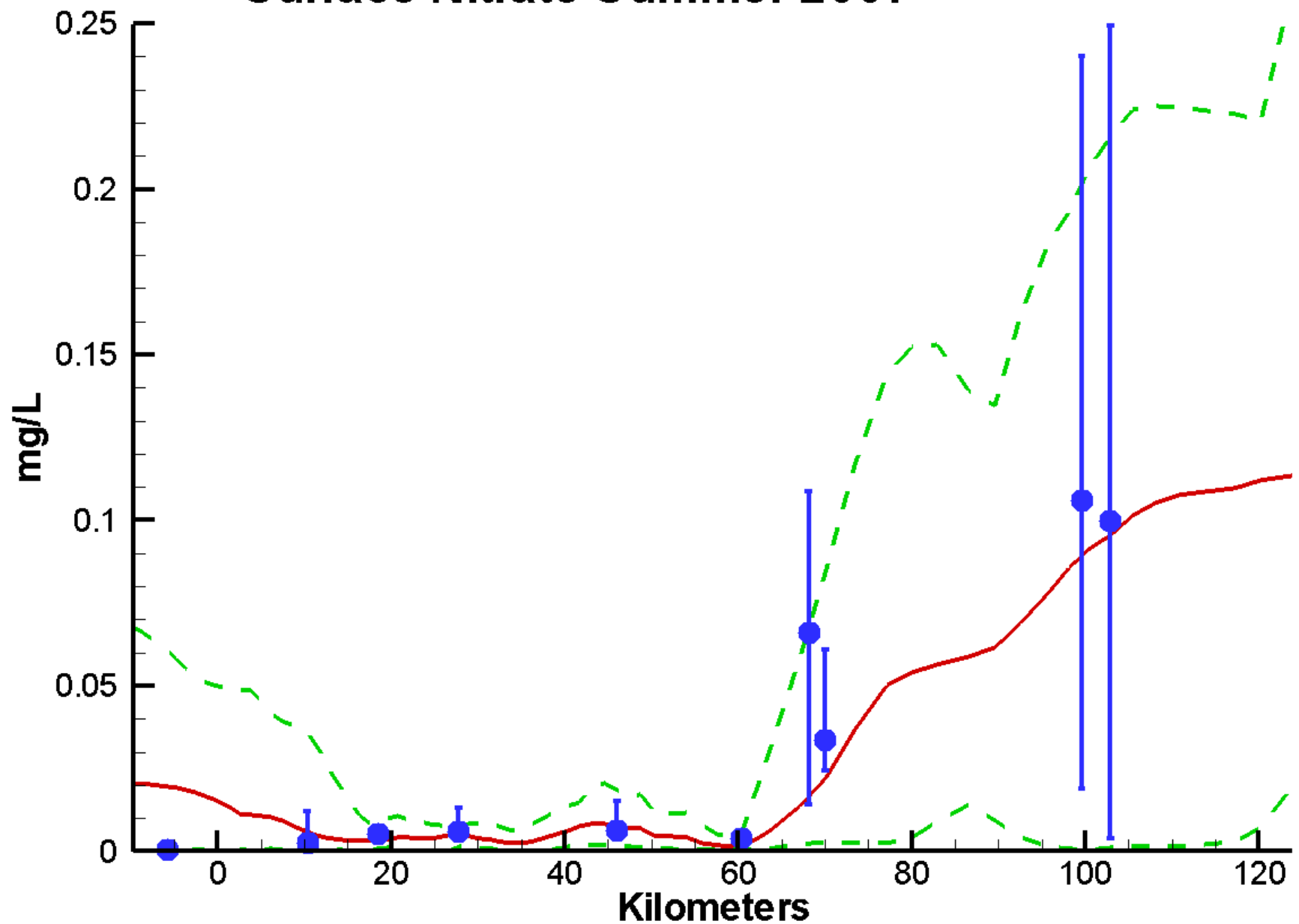


# York River 2002-2011 Run59

## Bottom Nitrate Summer 2007

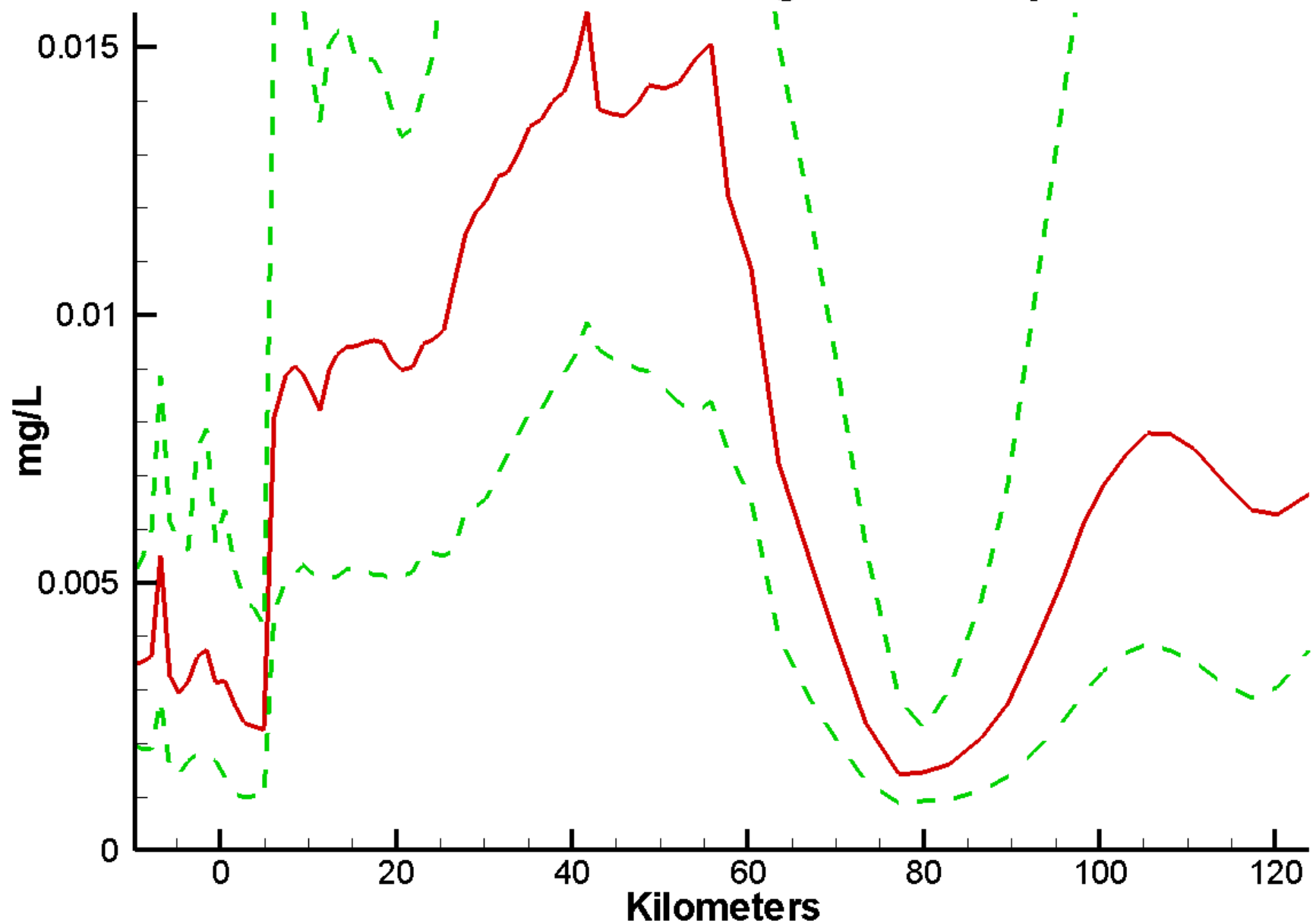


# York River 2002-2011 Run59 Surface Nitrate Summer 2007



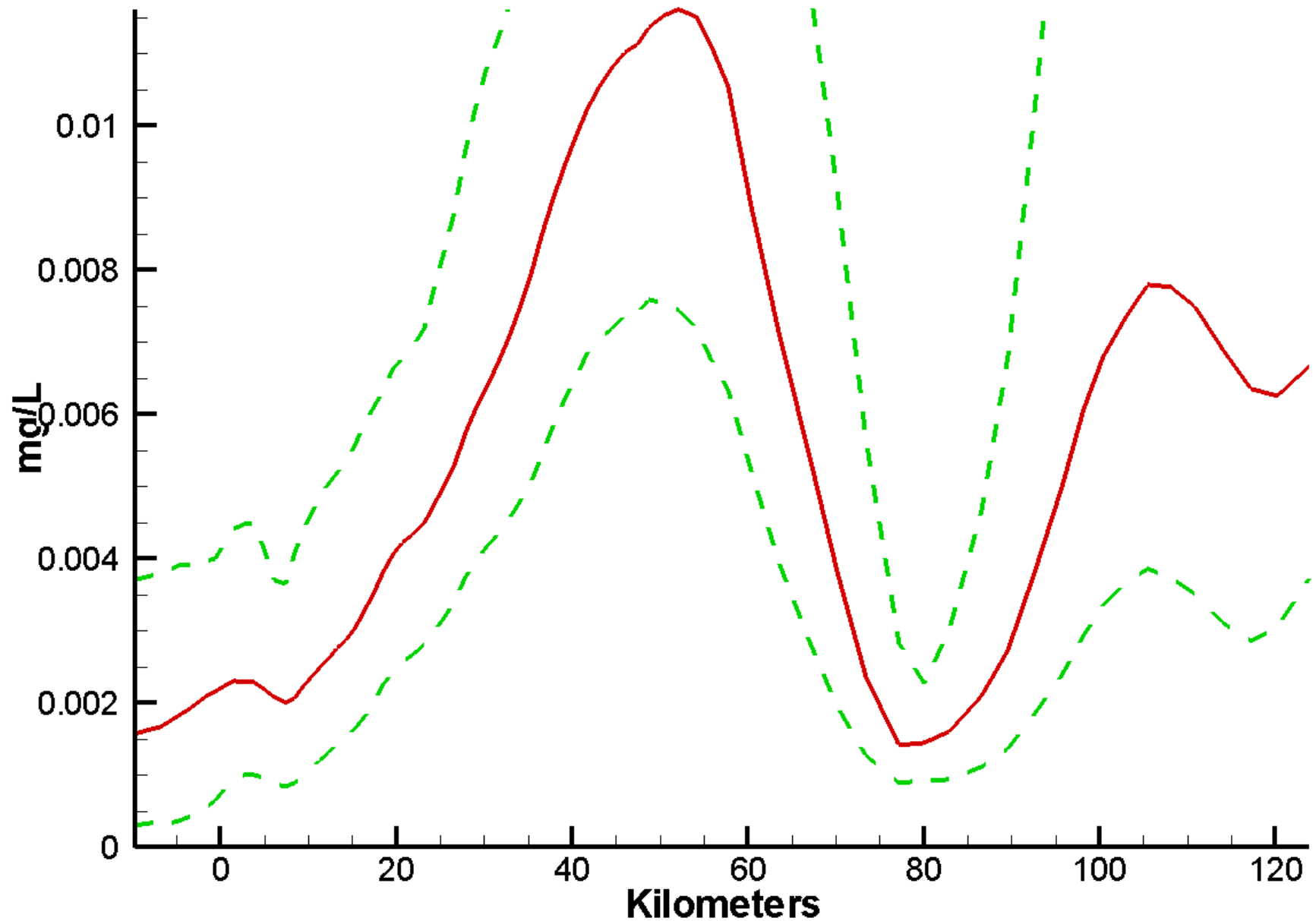
# York River 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 2000



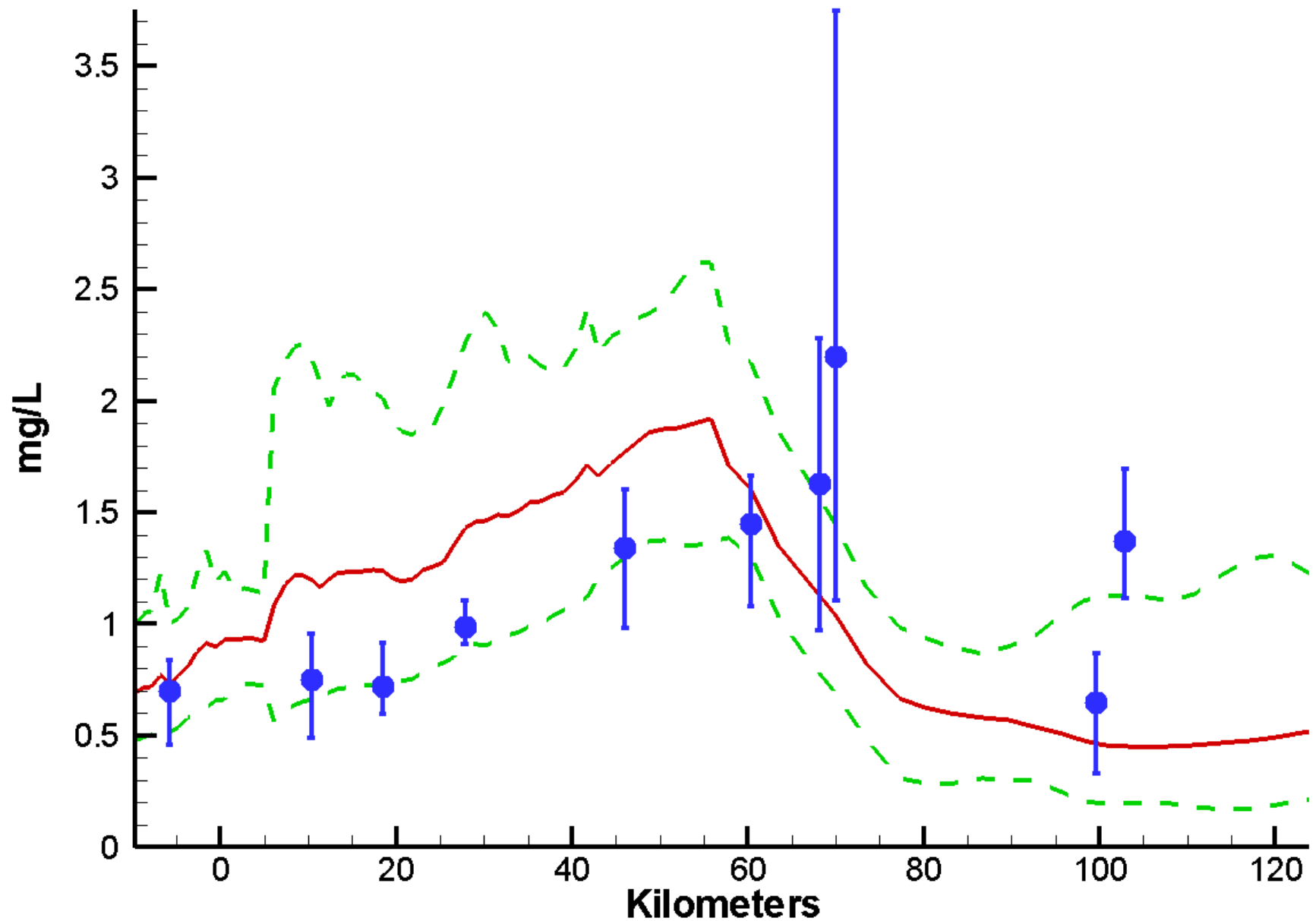
# York River 2002-2011 Run59

## Surface Particulate Inorganic Phosphorus Summer 2000



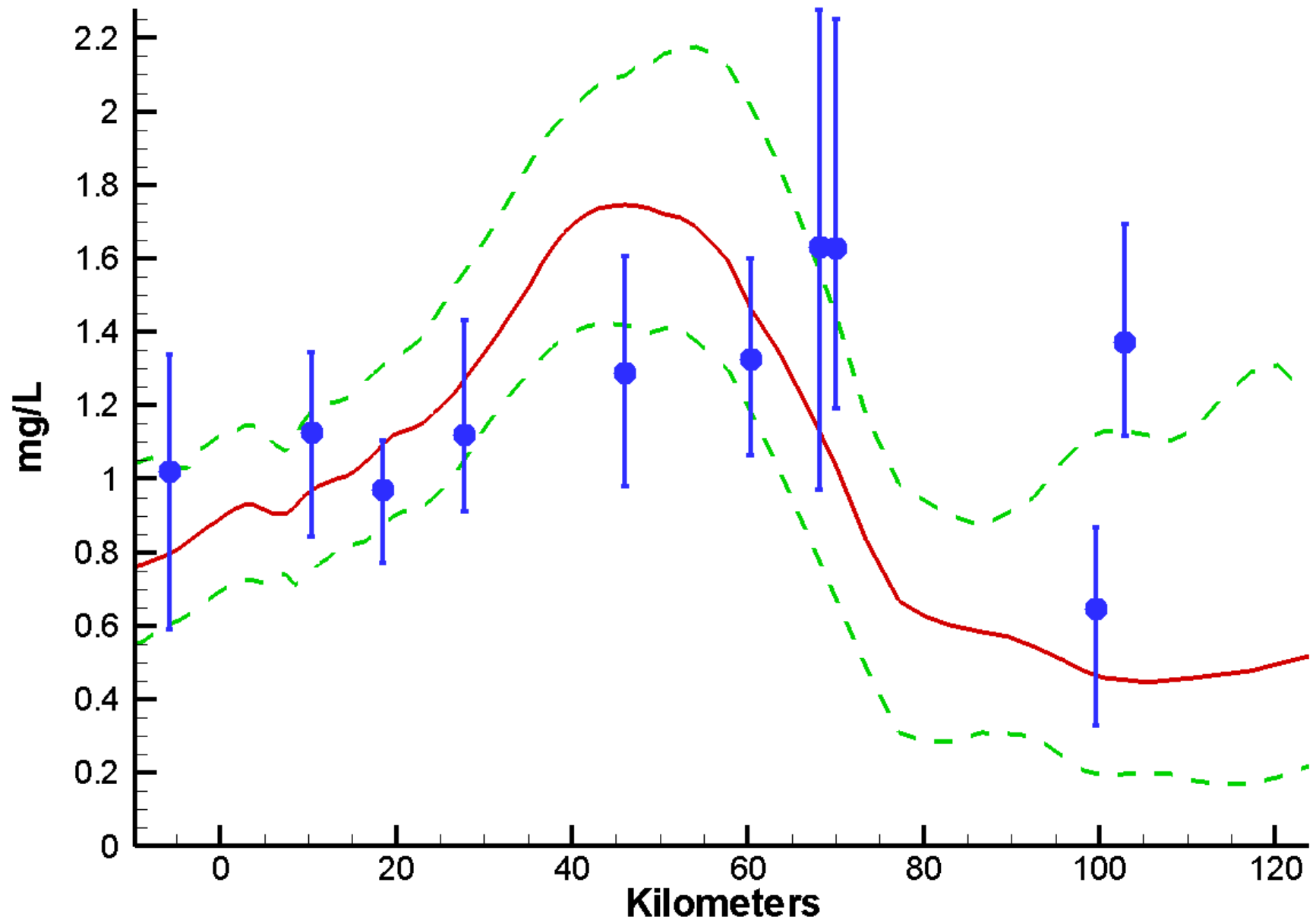
# York River 2002-2011 Run59

## Bottom Particulate Organic Carbon Summer 2007



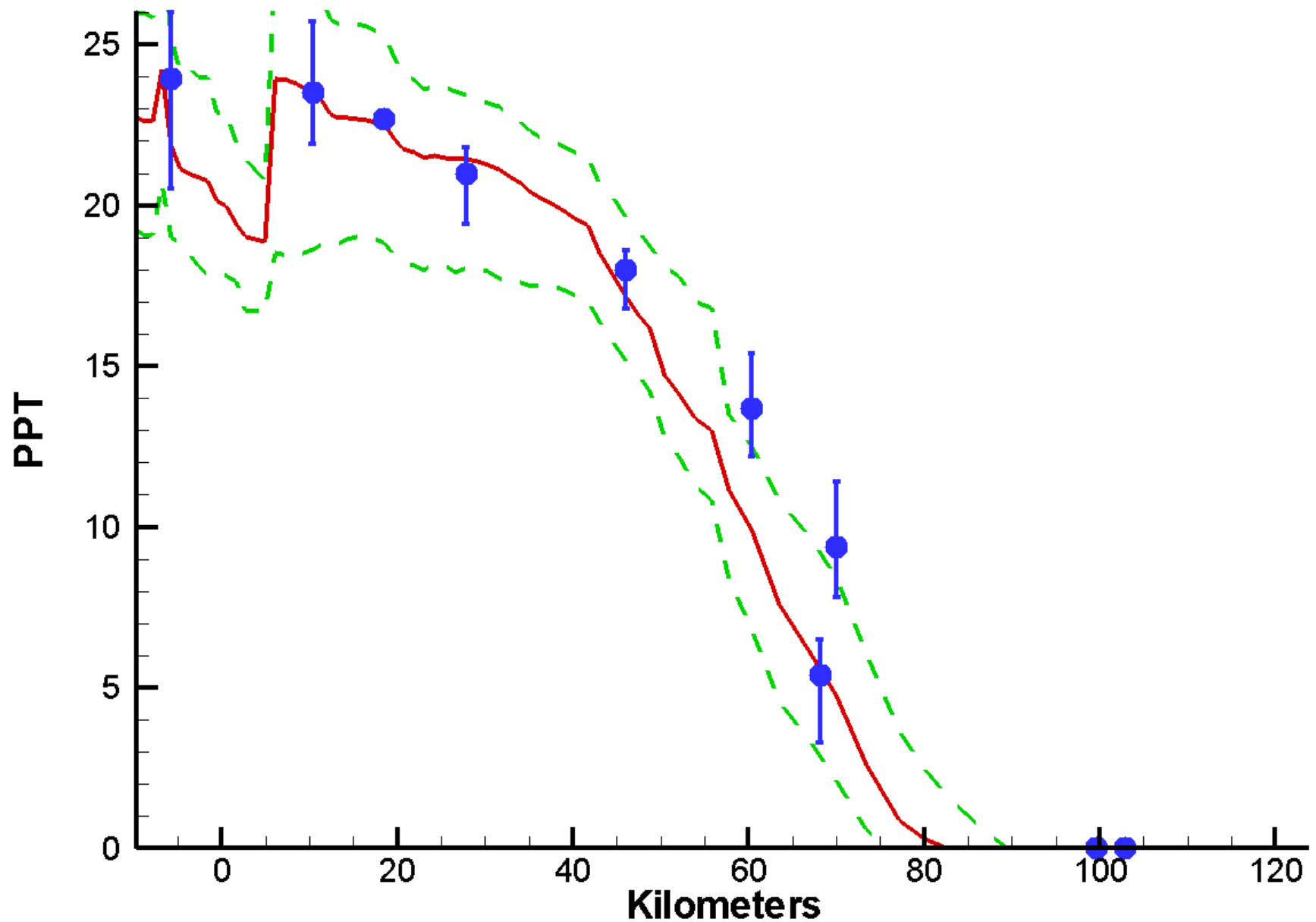
# York River 2002-2011 Run59

## Surface Particulate Organic Carbon Summer 2007

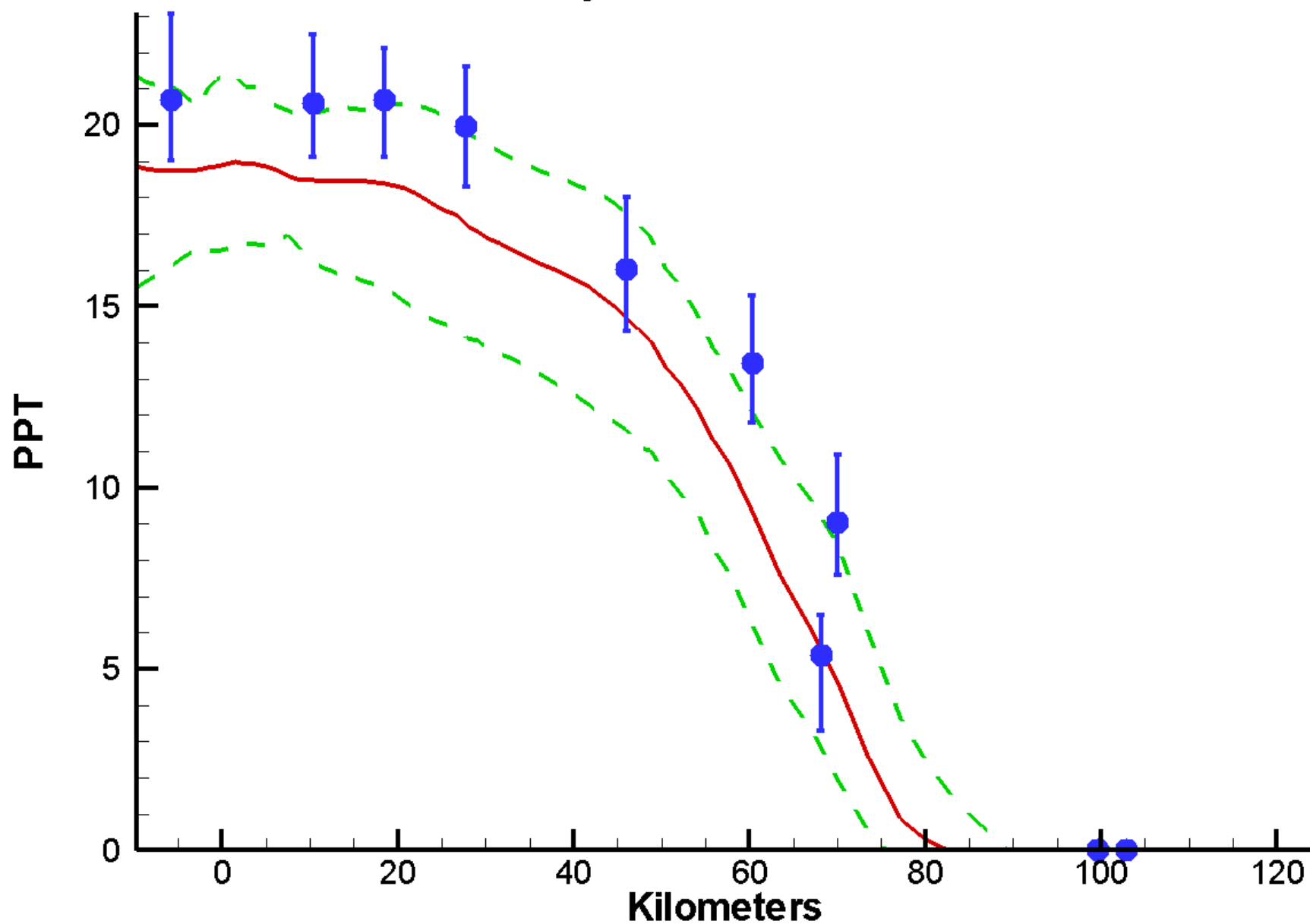




# York River 2002-2011 Run59 Bottom Salinity Summer 2007

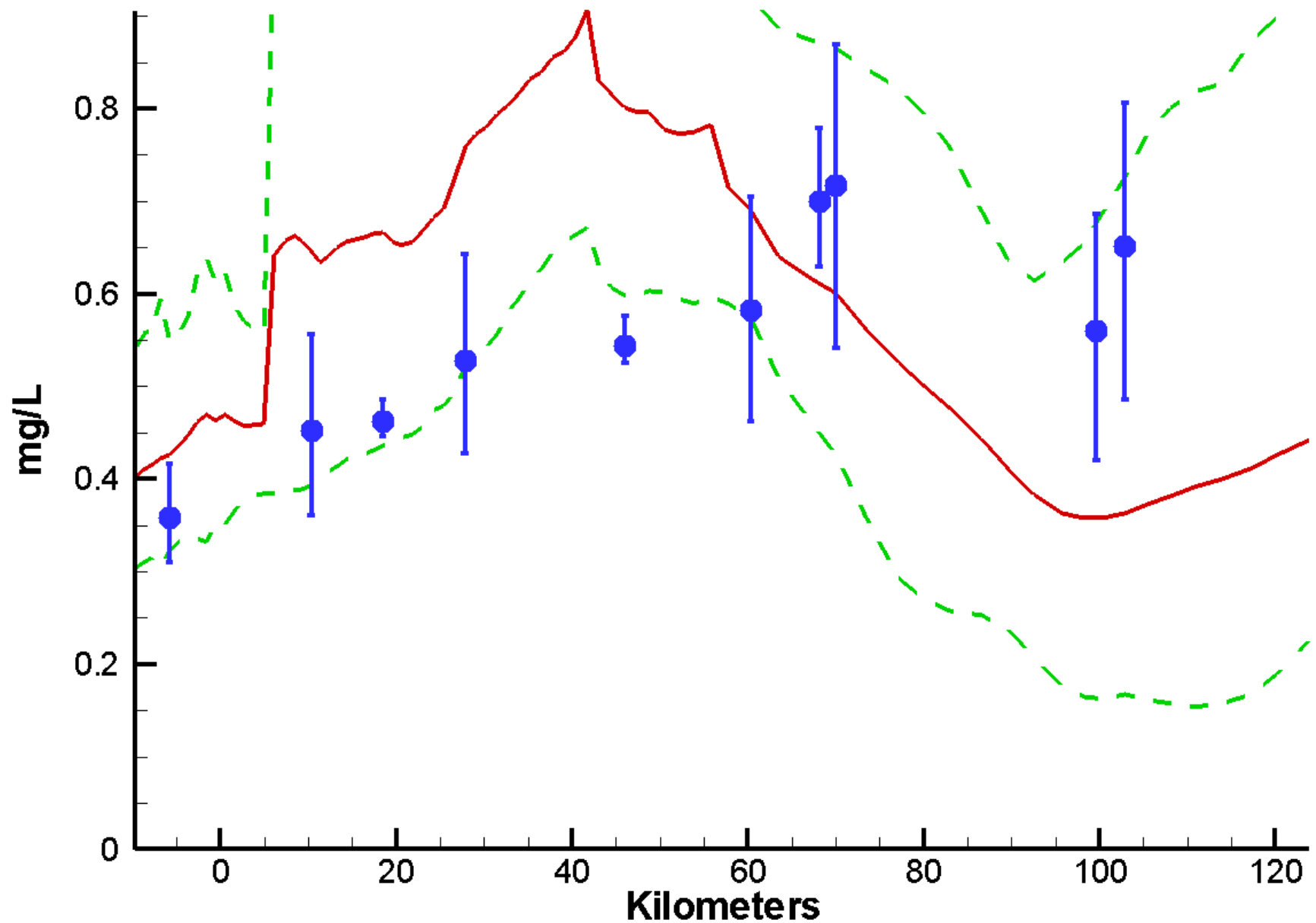


# York River 2002-2011 Run59 Surface Salinity Summer 2007



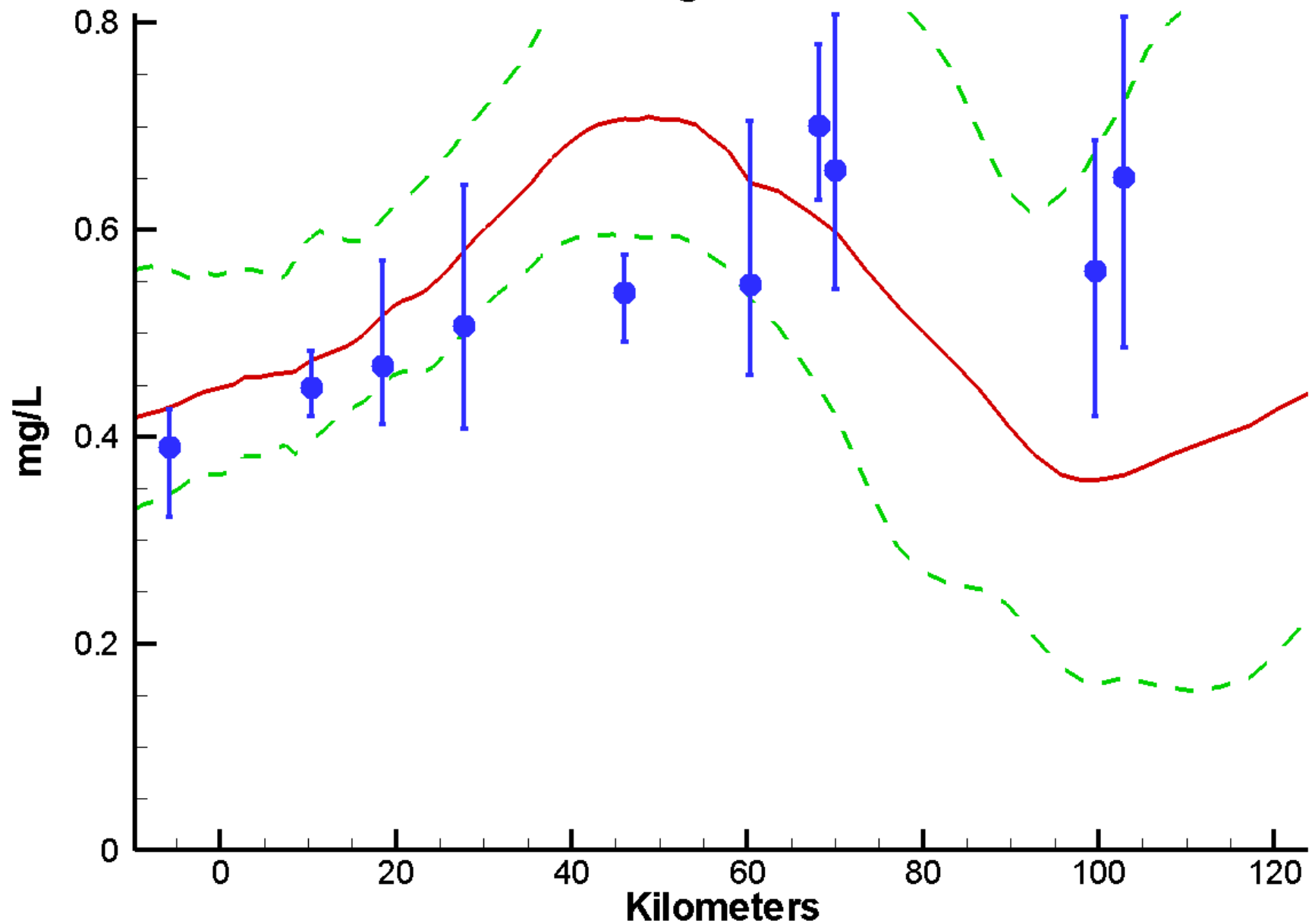
# York River 2002-2011 Run59

## Bottom Total Nitrogen Summer 2007



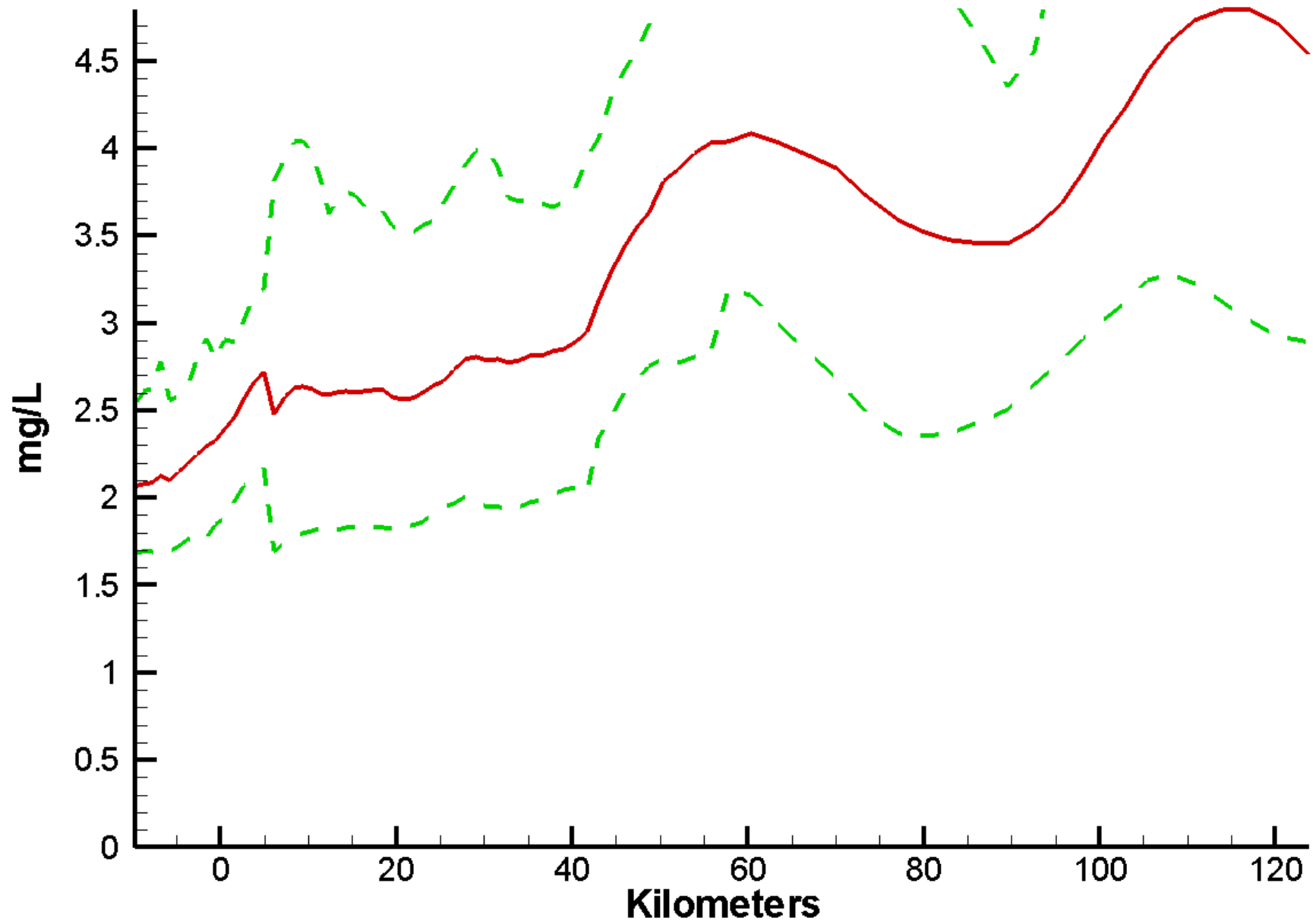
# York River 2002-2011 Run59

## Surface Total Nitrogen Summer 2007



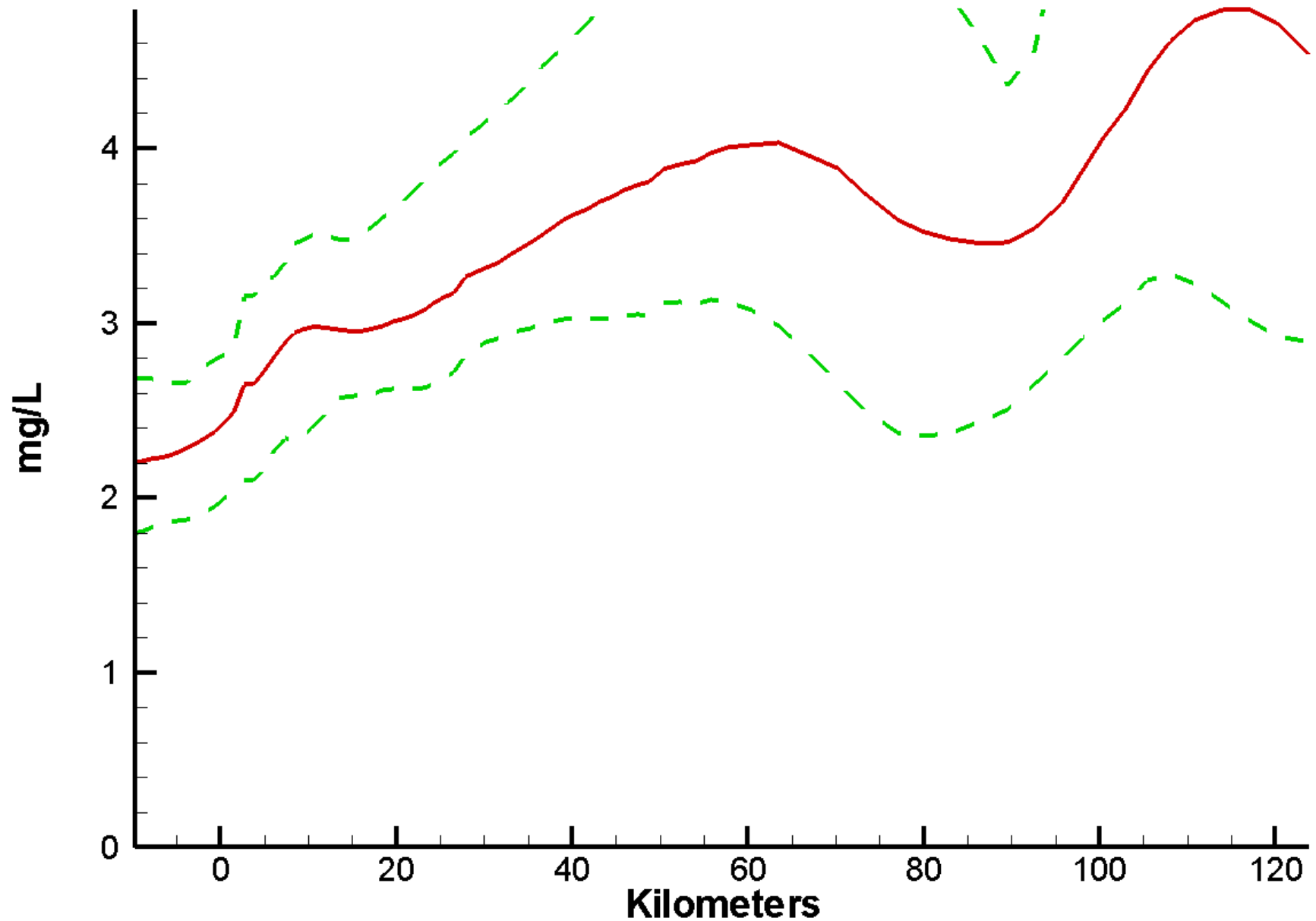
# York River 2002-2011 Run59

## Bottom Total Organic Carbon Summer 2007



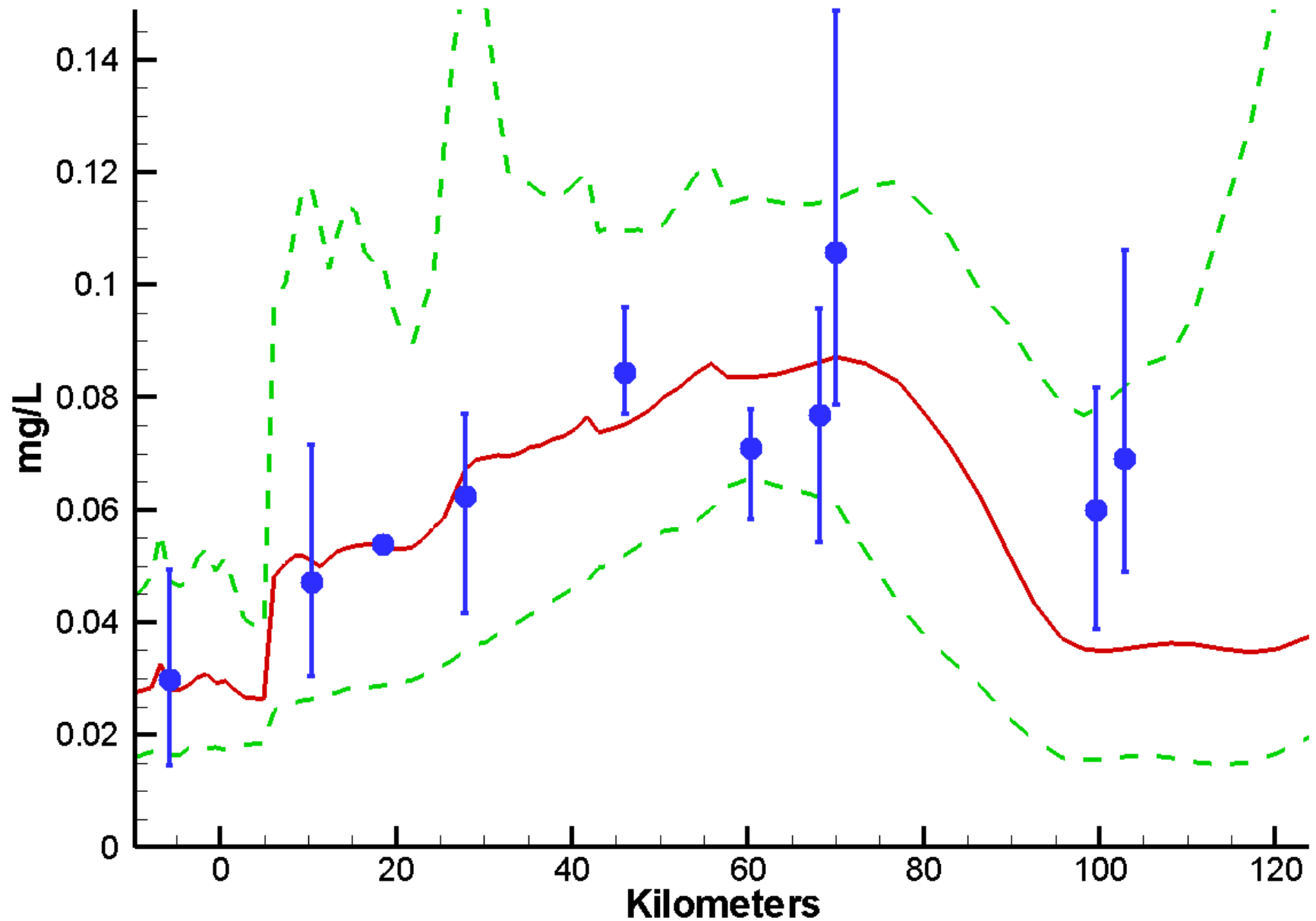
# York River 2002-2011 Run59

## Surface Total Organic Carbon Summer 2007



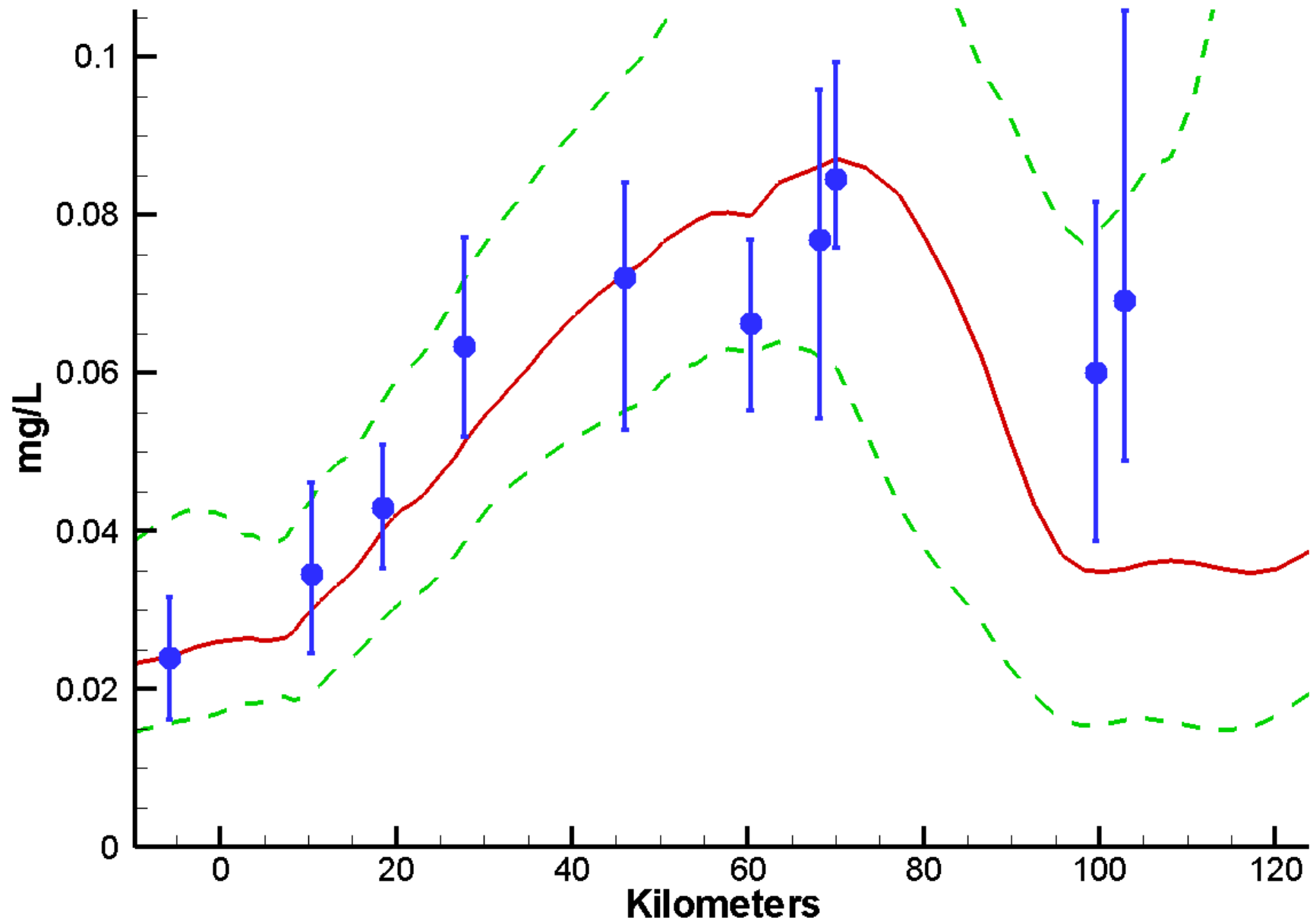
# York River 2002-2011 Run59

## Bottom Total Phosphorus Summer 2007



# York River 2002-2011 Run59

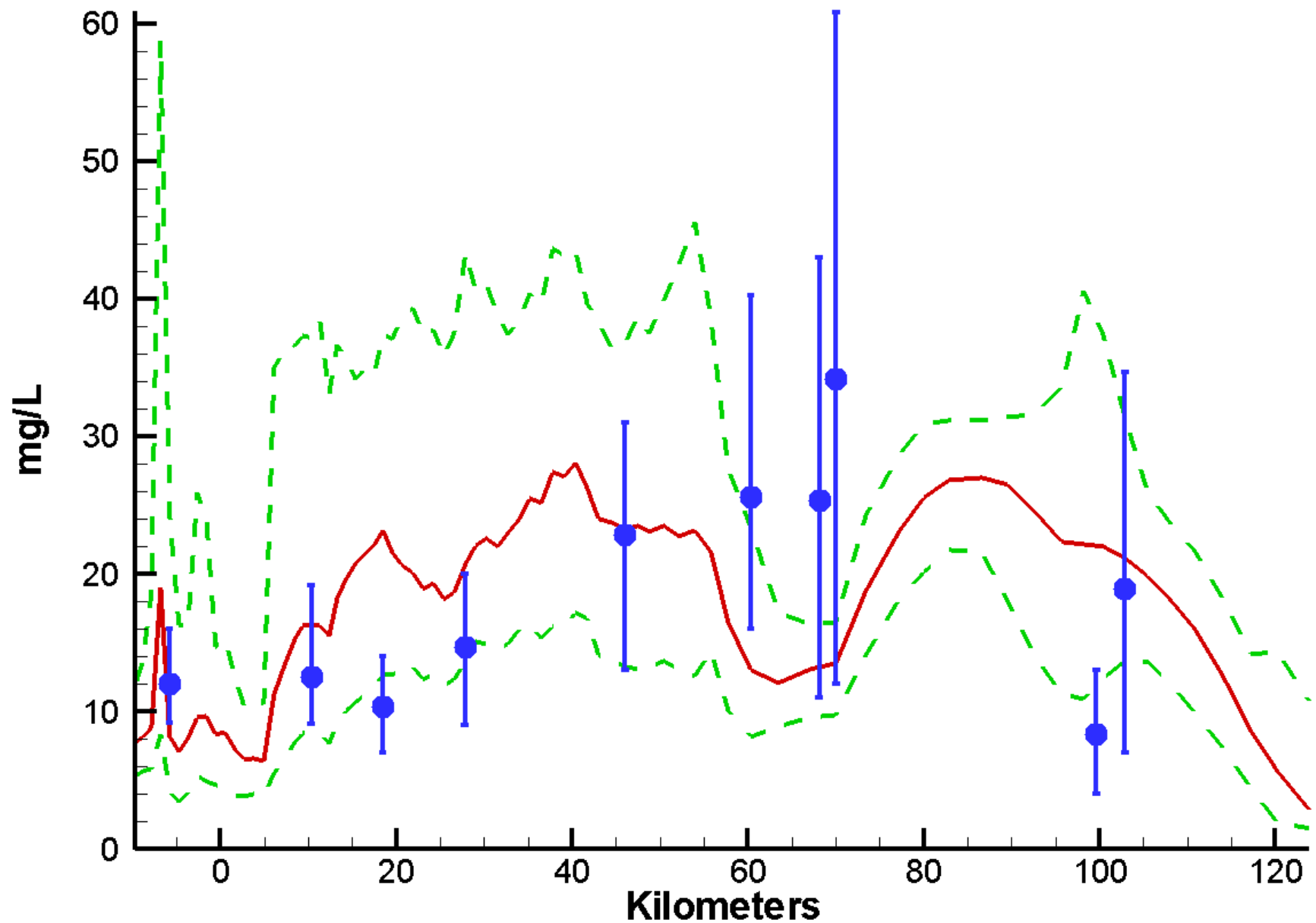
## Surface Total Phosphorus Summer 2007





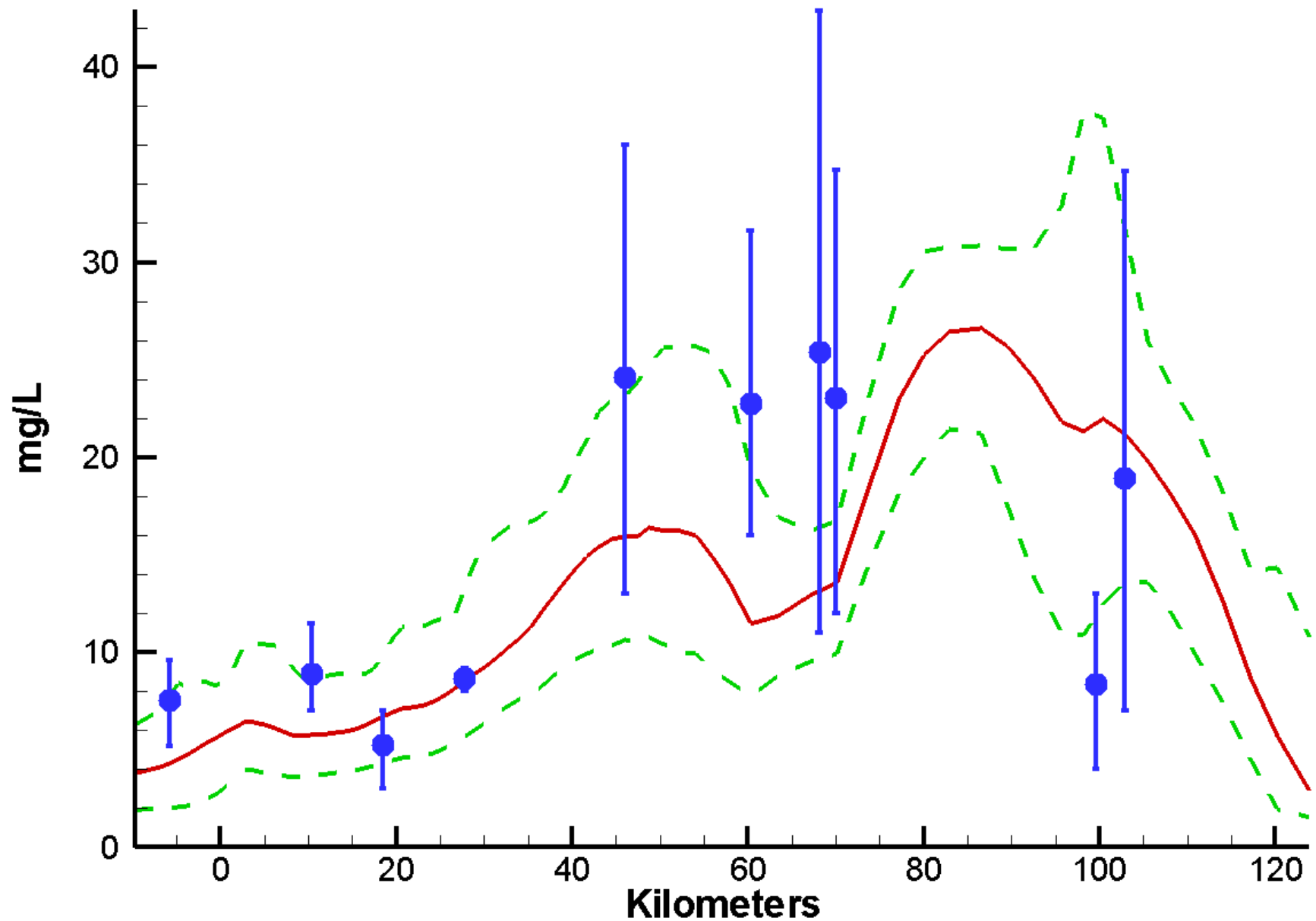
# York River 2002-2011 Run59

## Bottom Total Suspended Solids Summer 2007



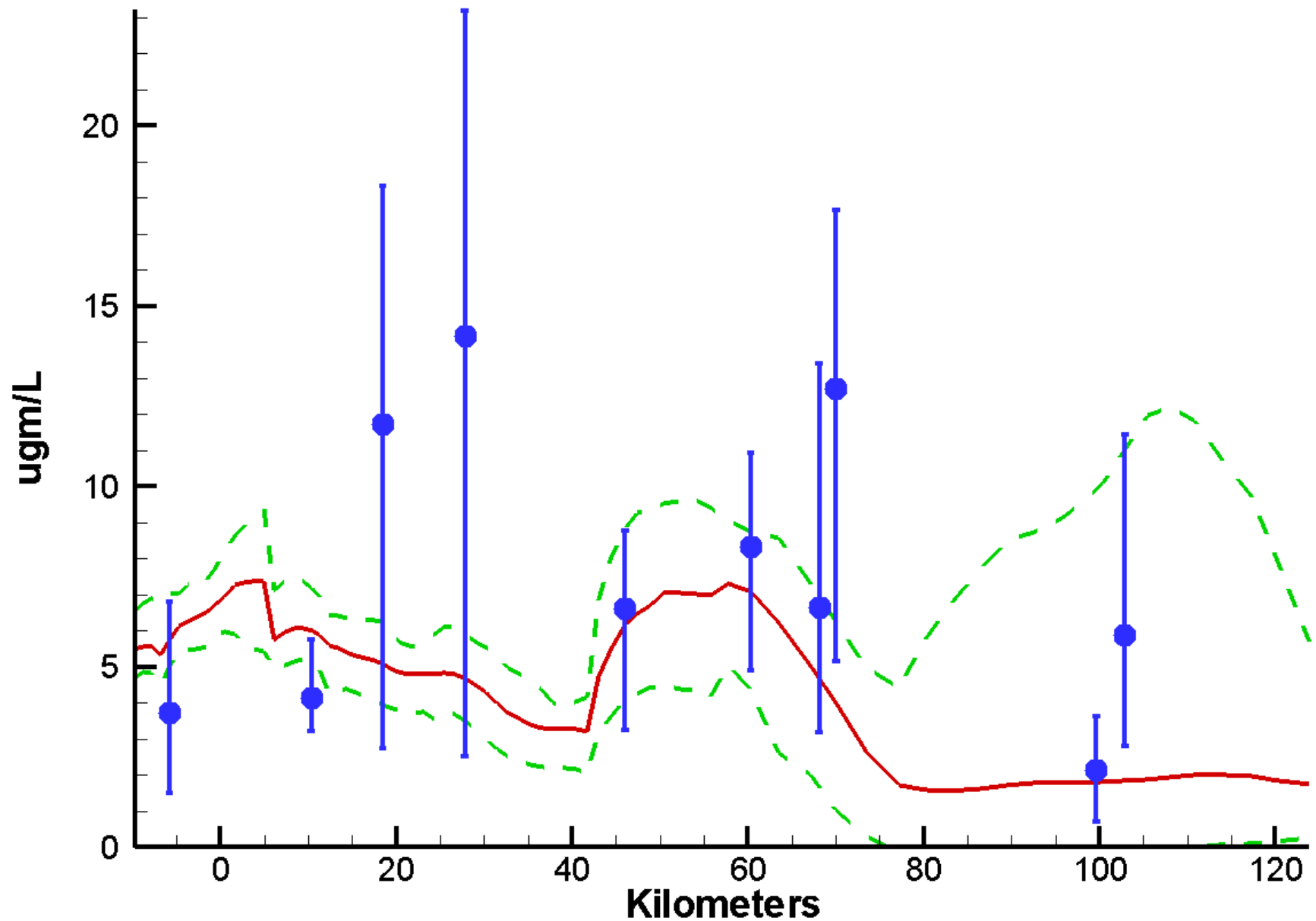
# York River 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007

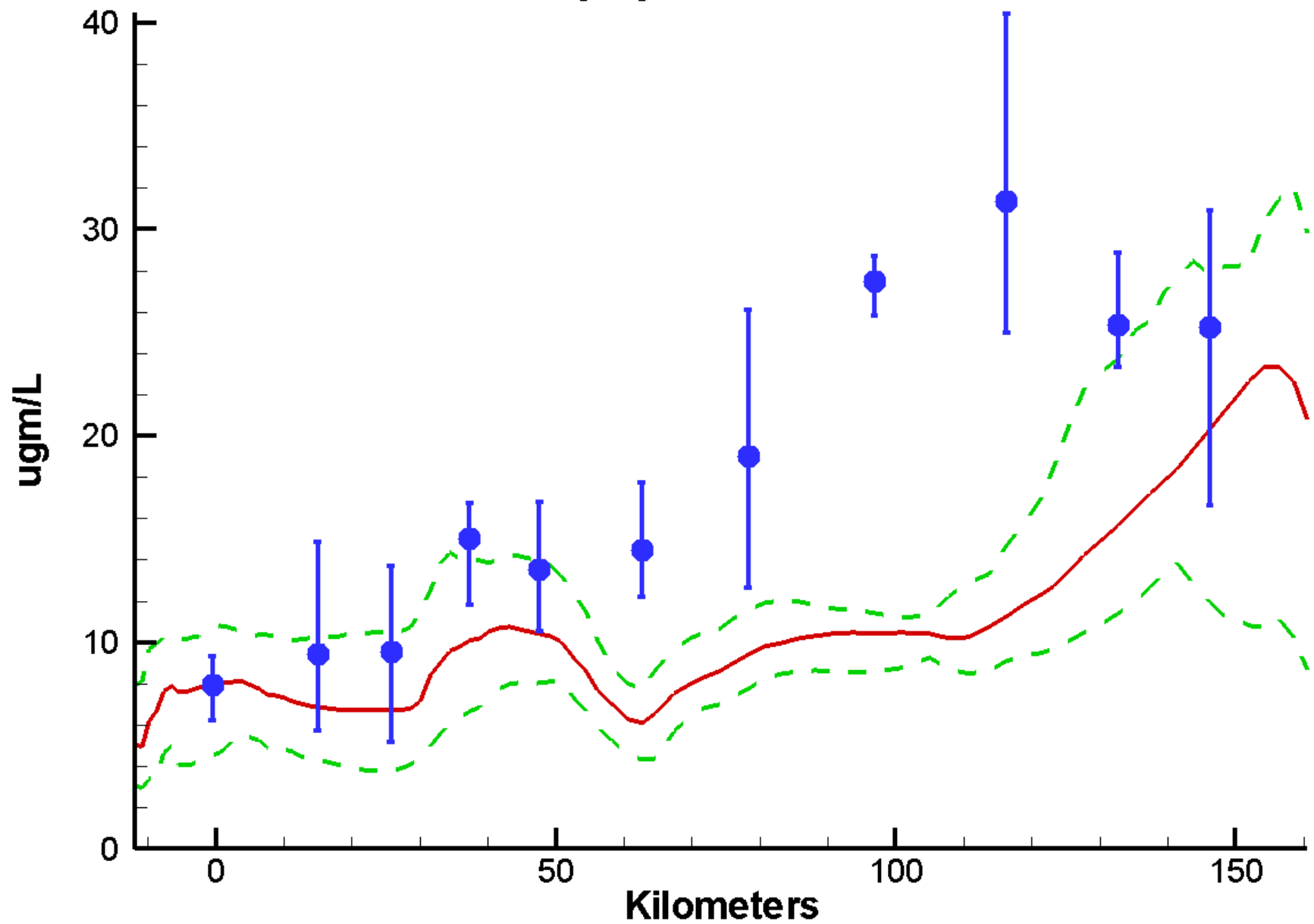


# York River 2002-2011 Run59

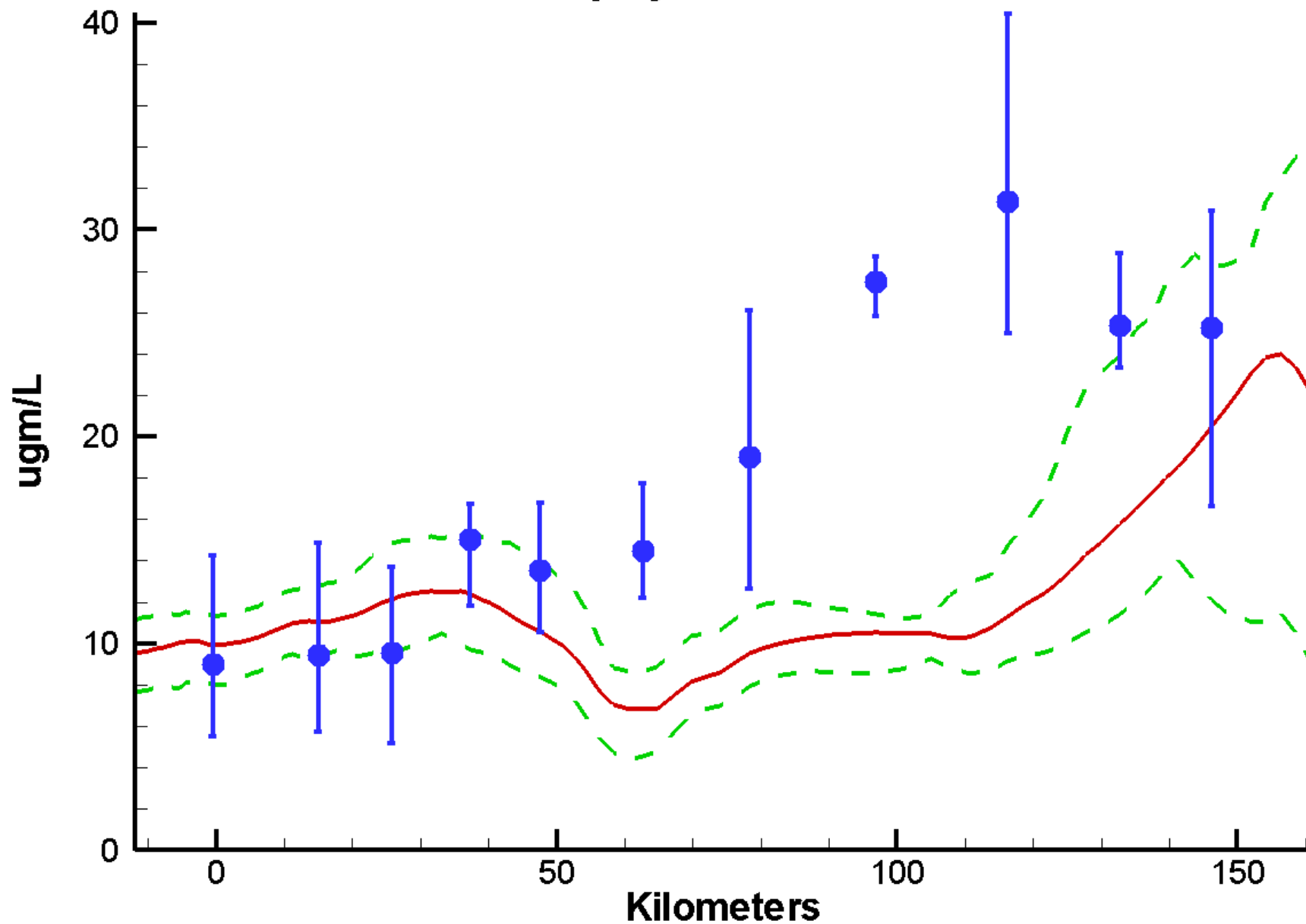
## Bottom Chlorophyll Fall 2007



# Rappahannock River 2002-2011 Run59 Bottom Chlorophyll Summer 2007

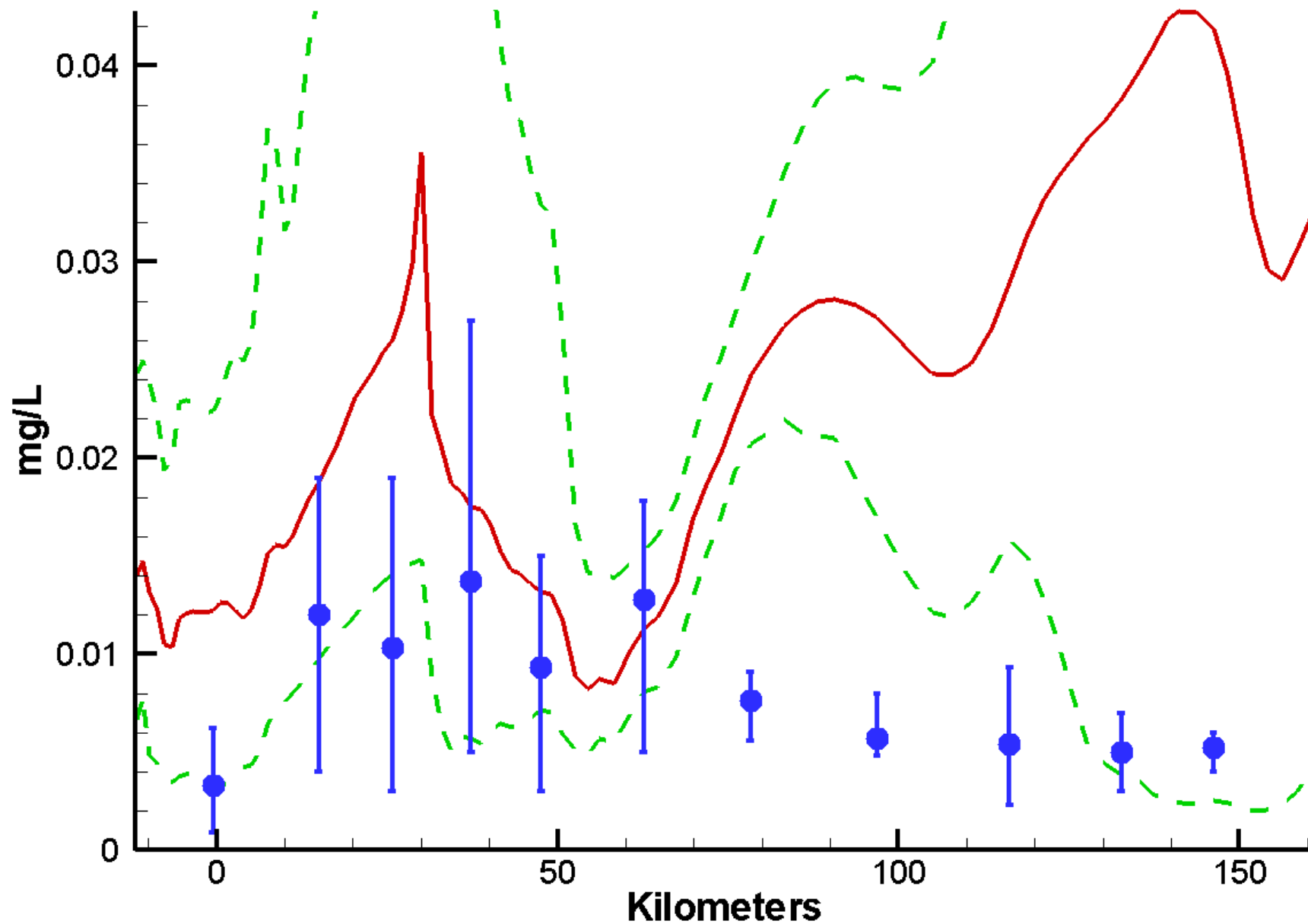


# Rappahannock River 2002-2011 Run59 Surface Chlorophyll Summer 2007

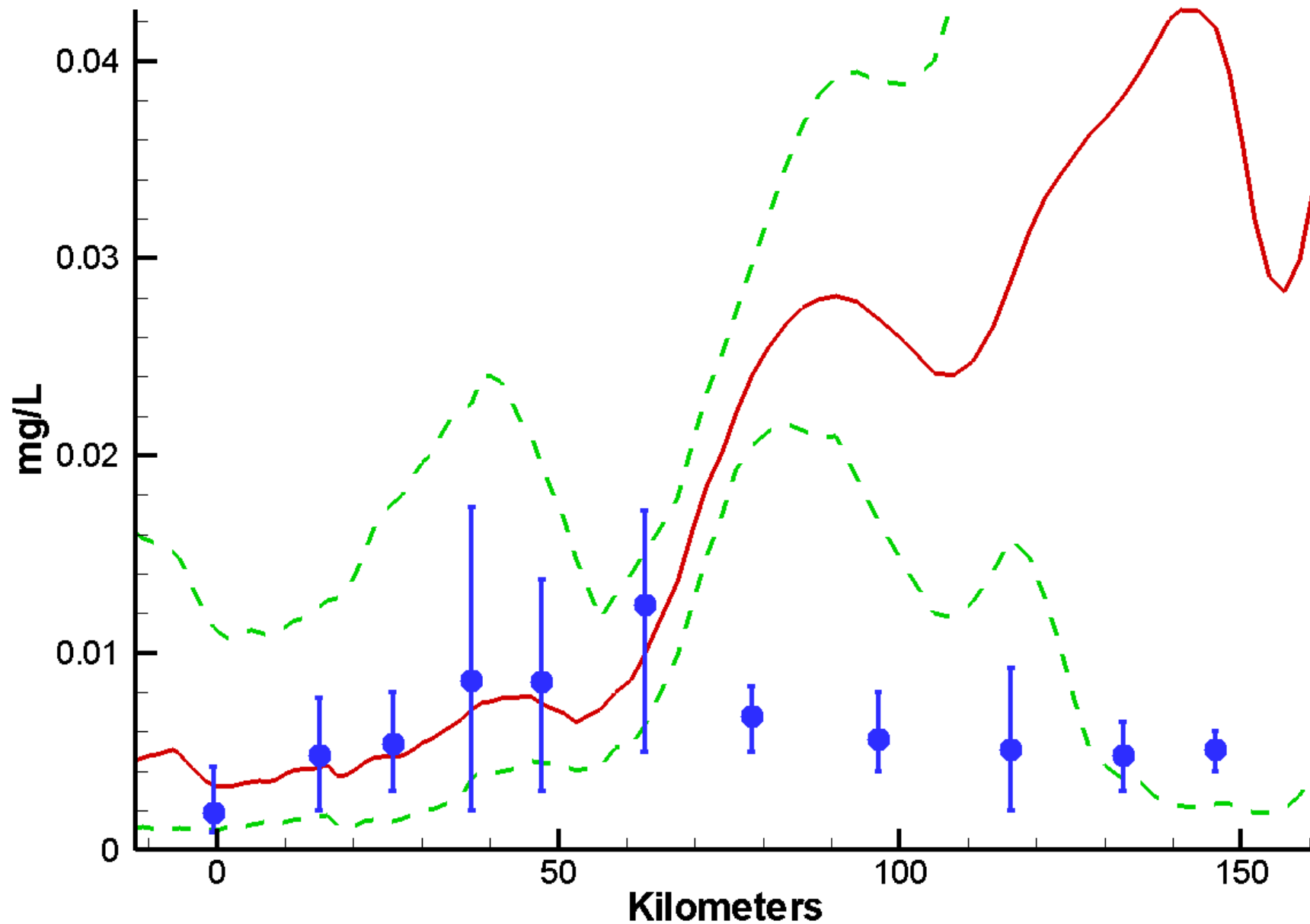


# Rappahannock River 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007

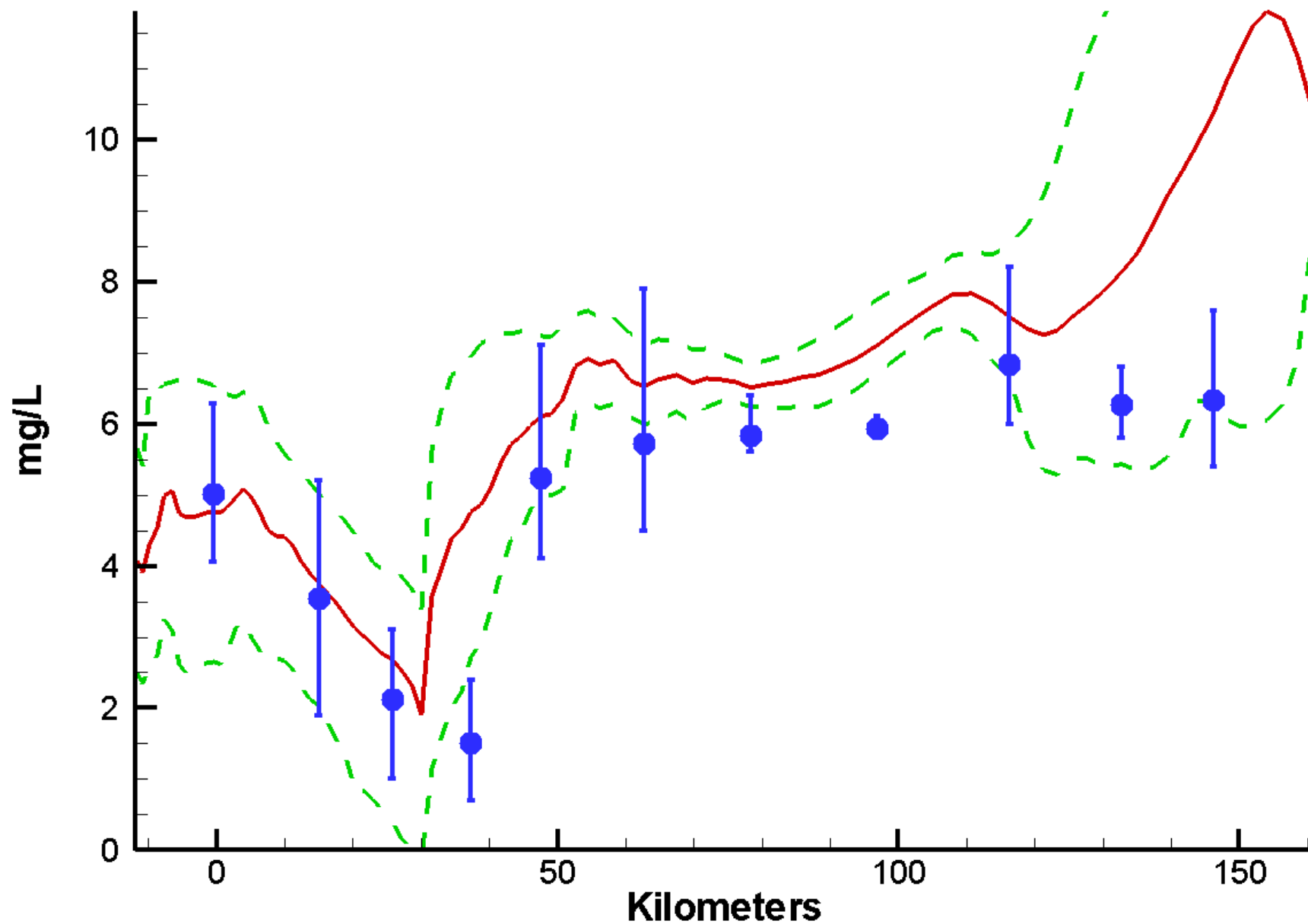


# Rappahannock River 2002-2011 Run59 Surface Dissolved Phosphate Summer 2007



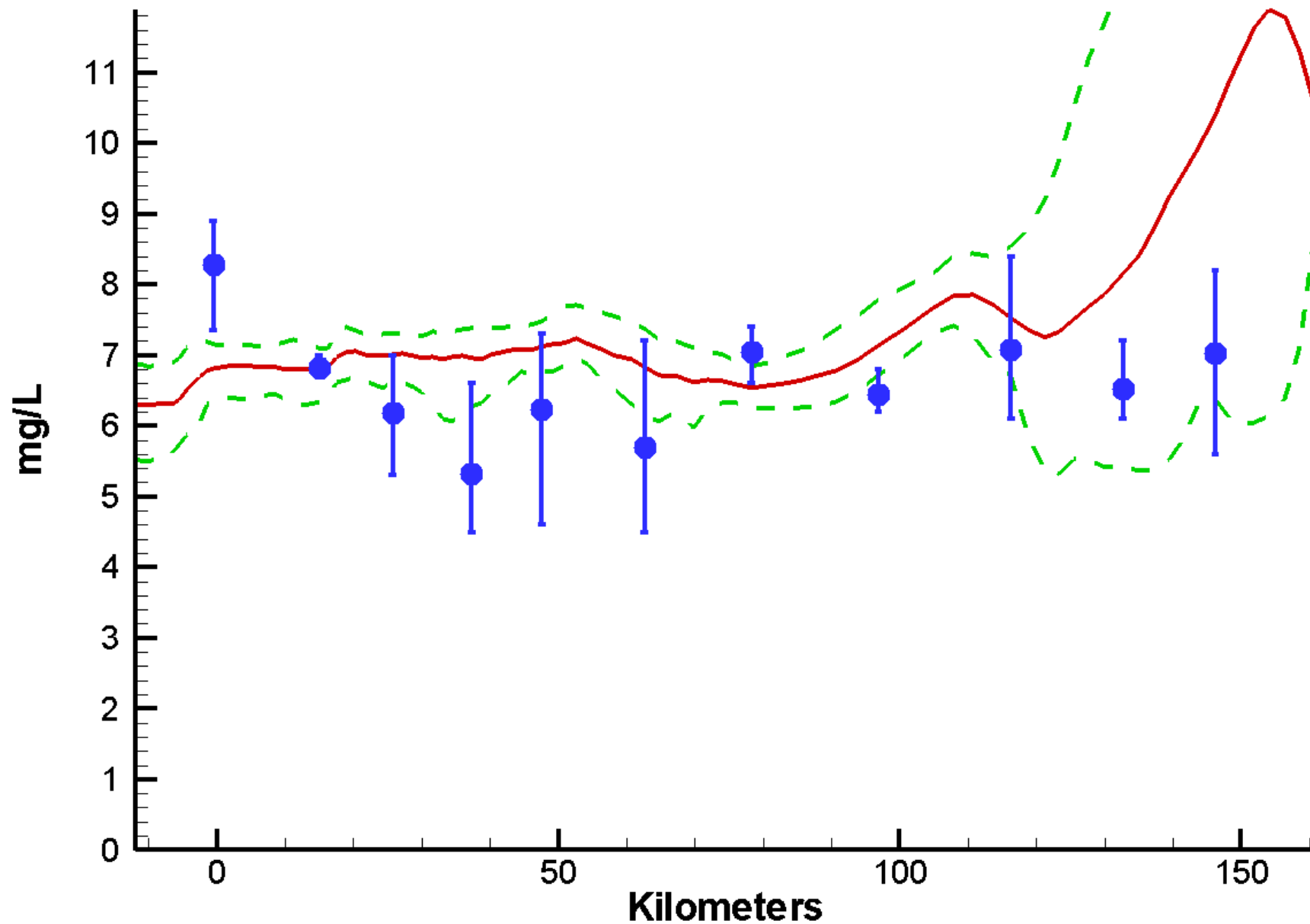
# Rappahannock River 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007

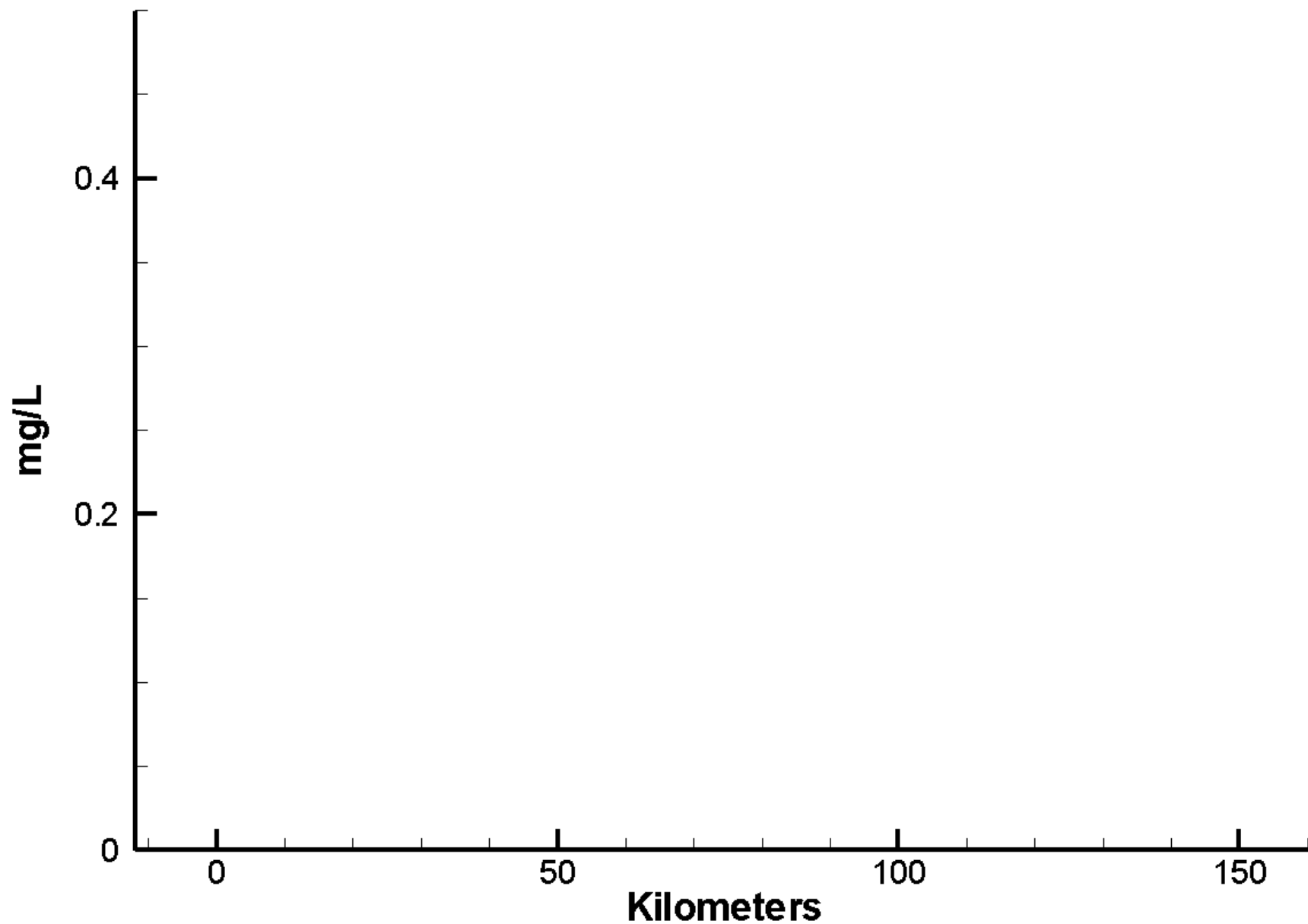




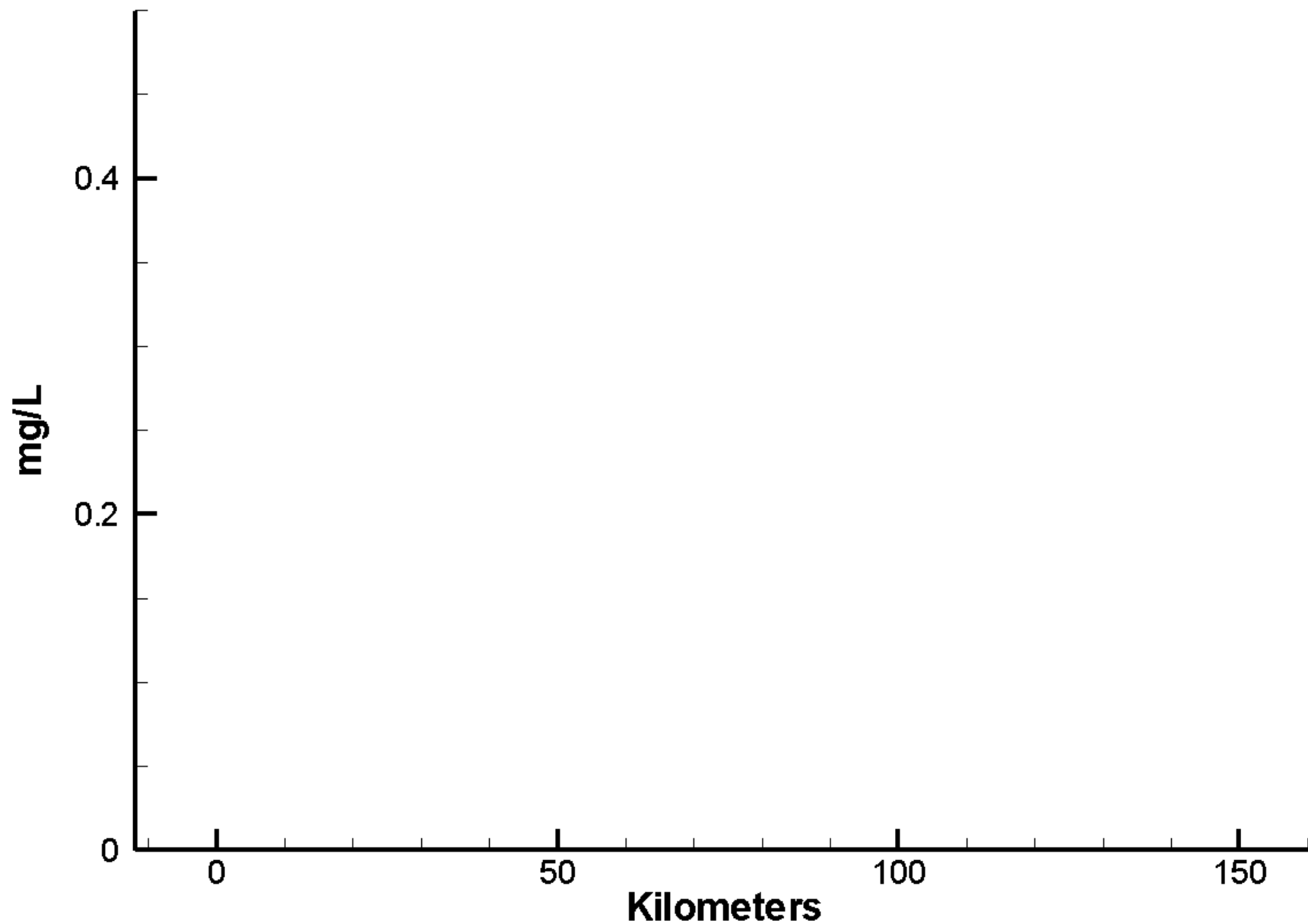
# Rappahannock River 2002-2011 Run59 Surface Dissolved Oxygen Summer 2007



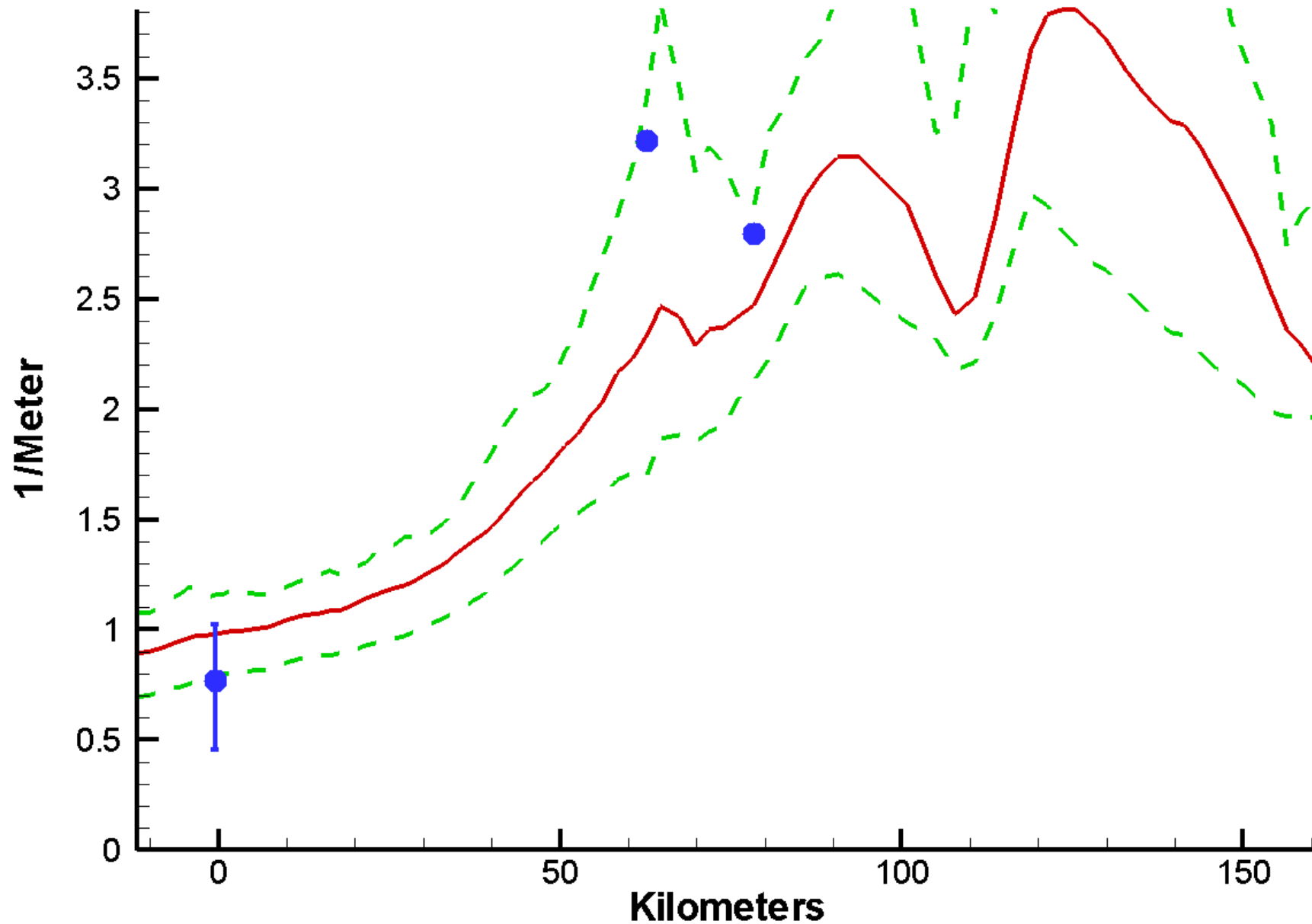
# Rappahannock River 2002-2011 Run59 Bottom Dissolved Silica Summer 2007



# Rappahannock River 2002-2011 Run59 Surface Dissolved Silica Summer 2007

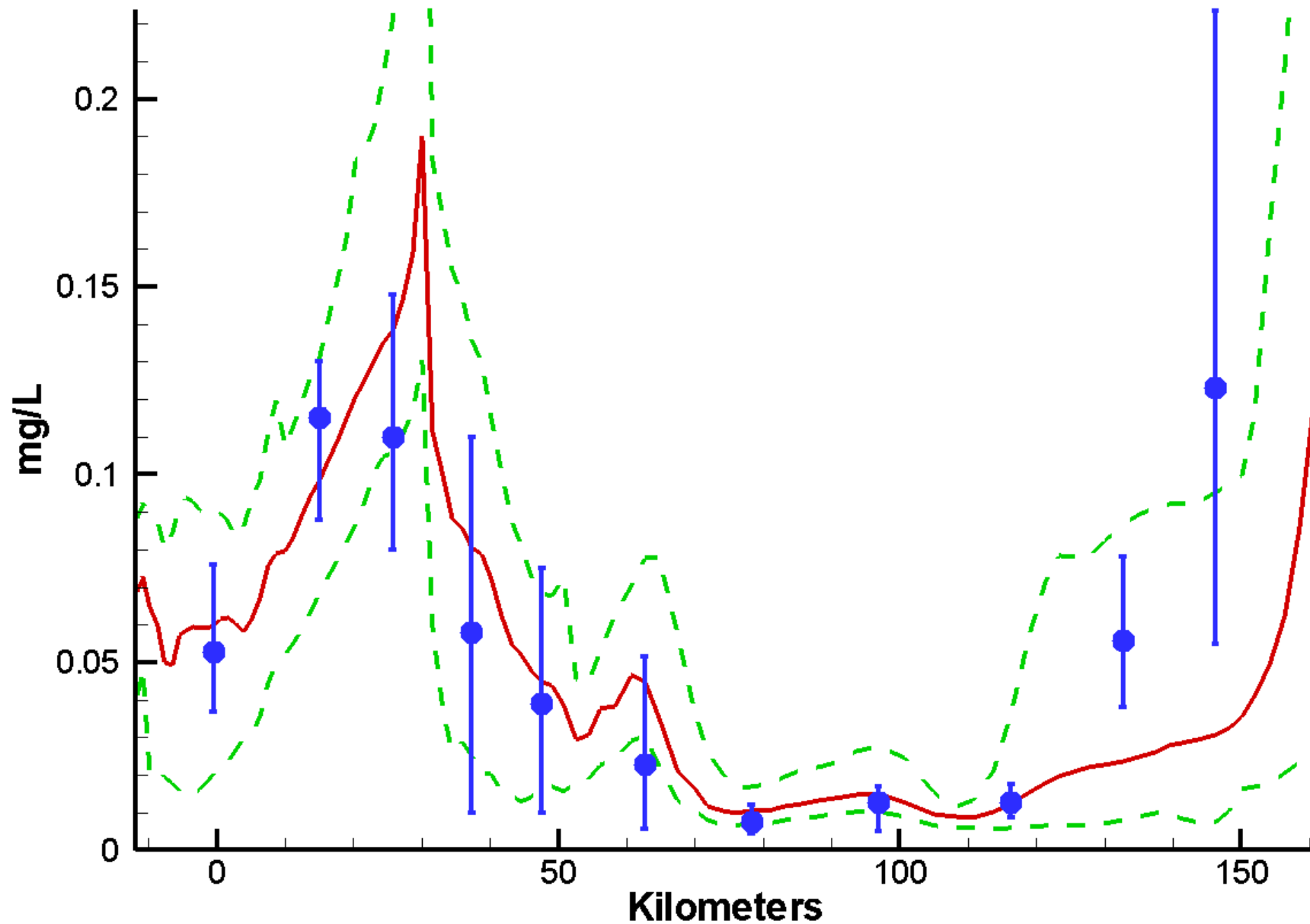


# Rappahannock River 2002-2011 Run59 Surface Light Extinction Summer 2007

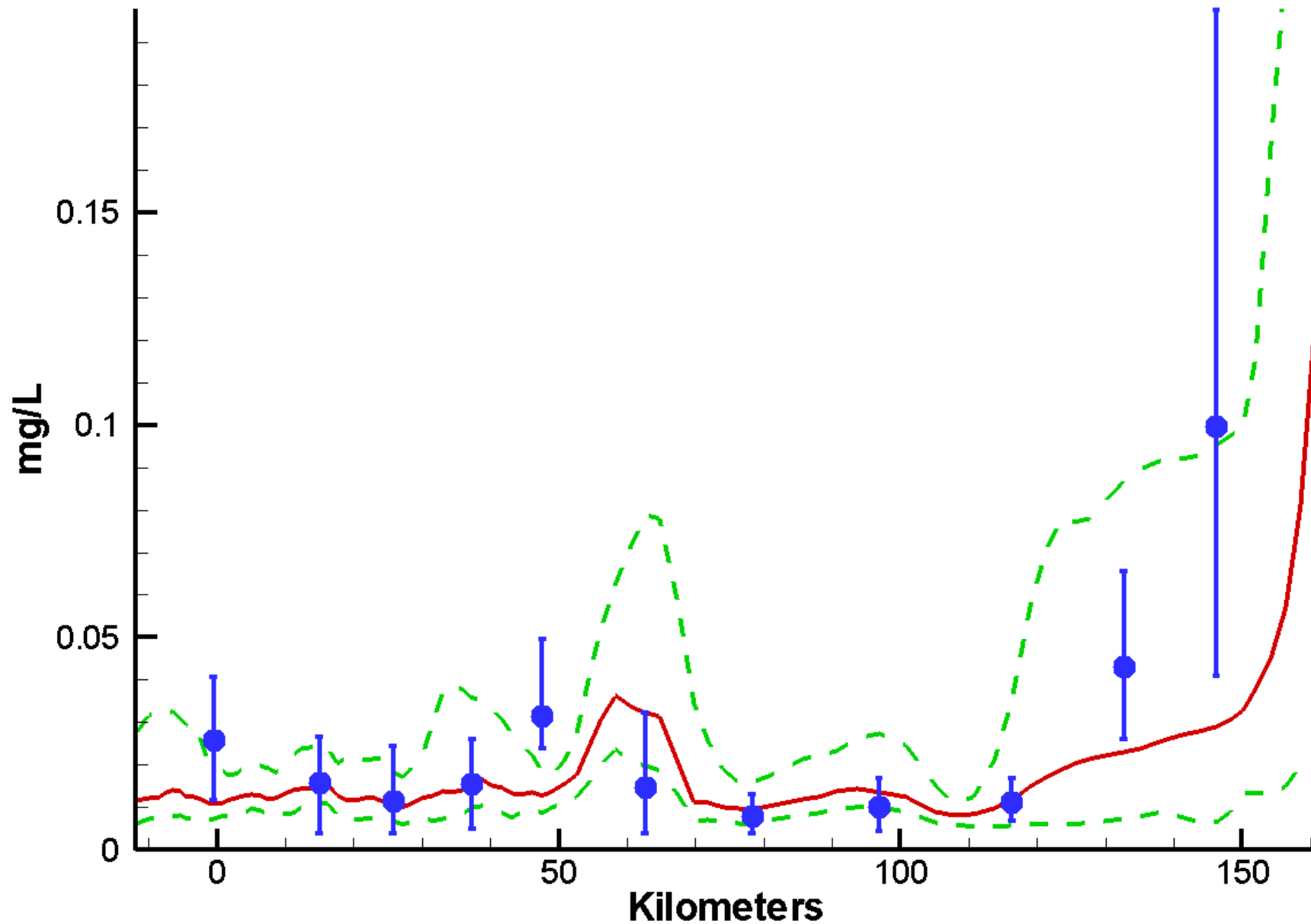


# Rappahannock River 2002-2011 Run59

## Bottom Ammonium Summer 2007

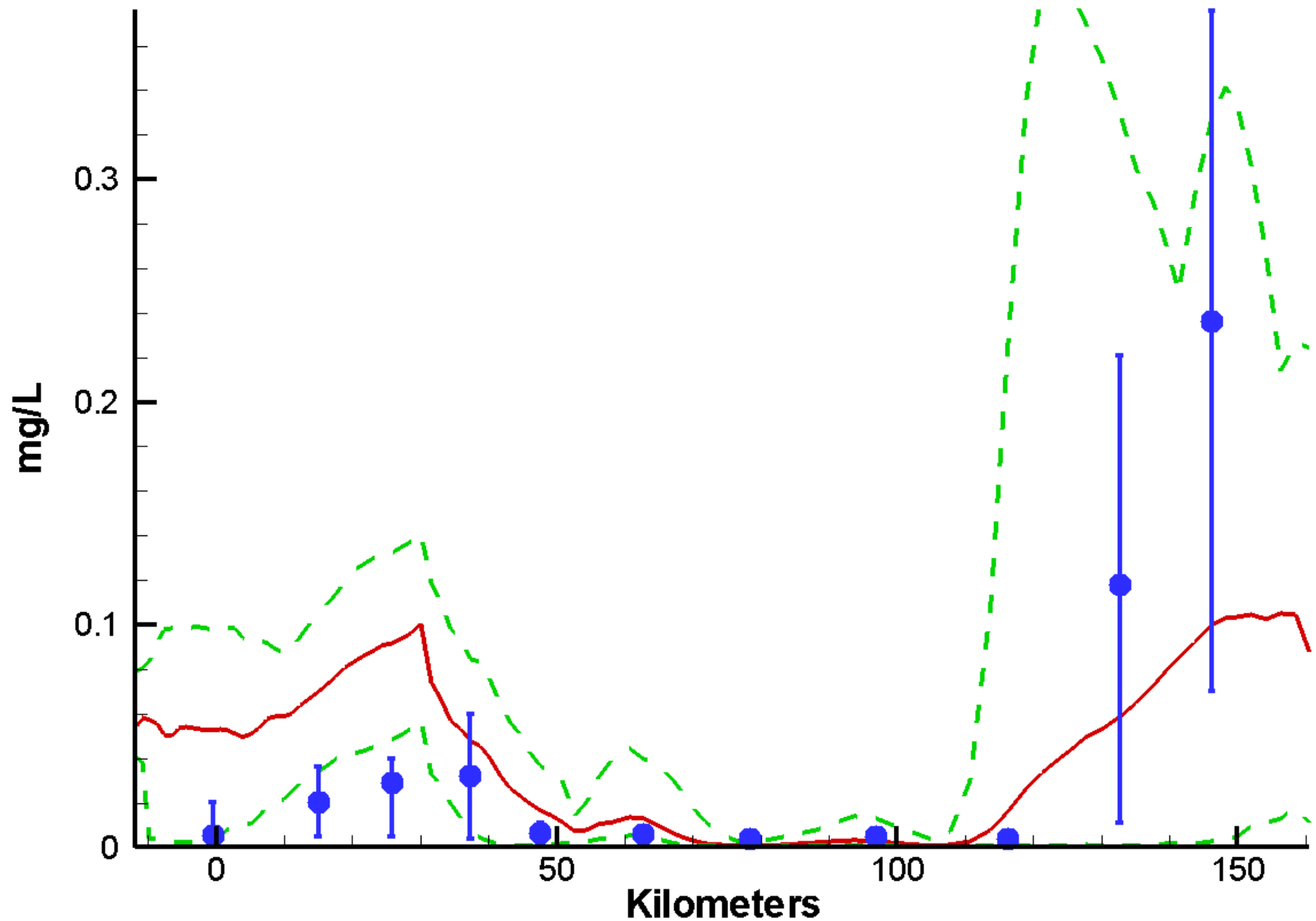


# Rappahannock River 2002-2011 Run59 Surface Ammonium Summer 2007



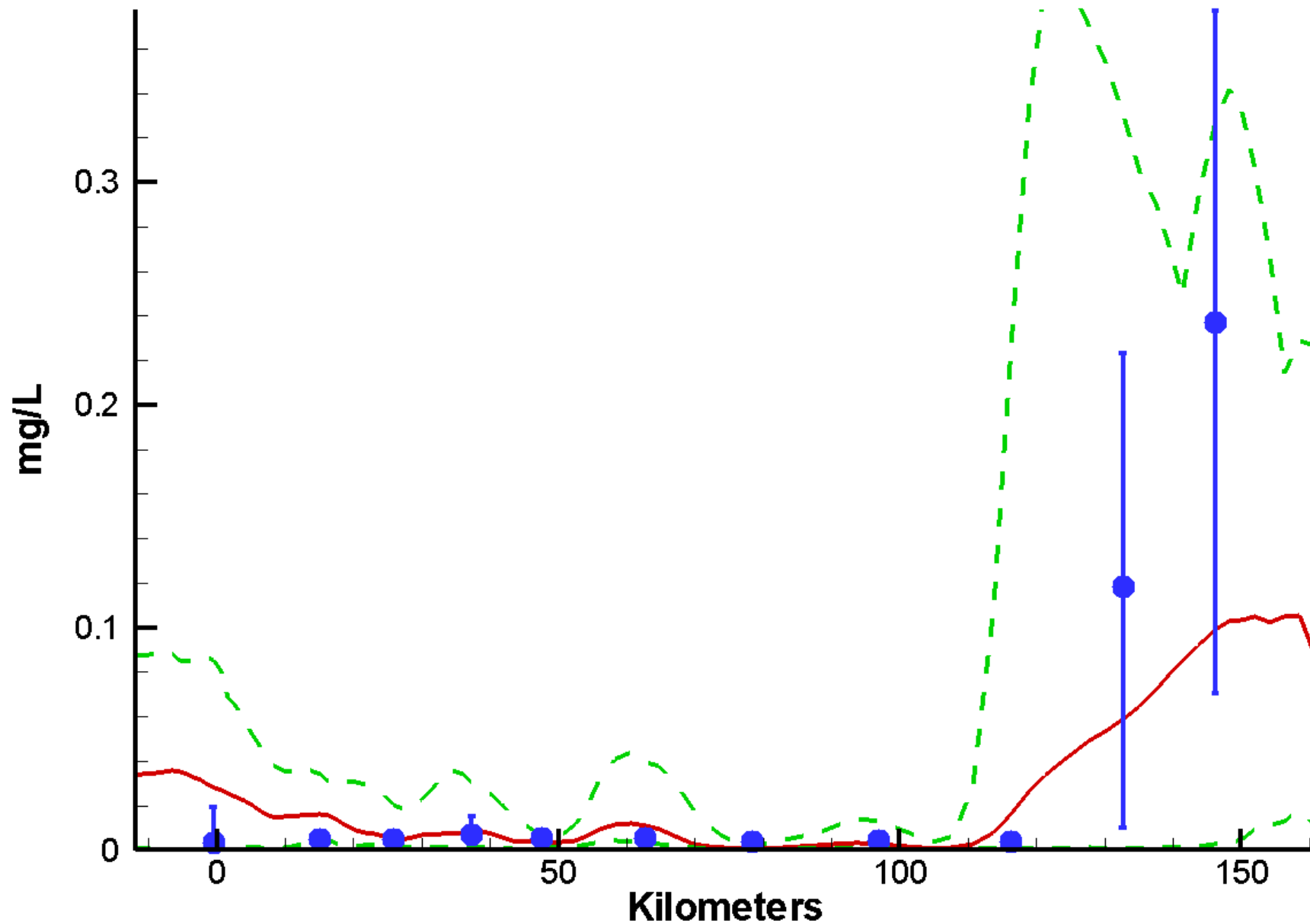
# Rappahannock River 2002-2011 Run59

## Bottom Nitrate Summer 2007



# Rappahannock River 2002-2011 Run59

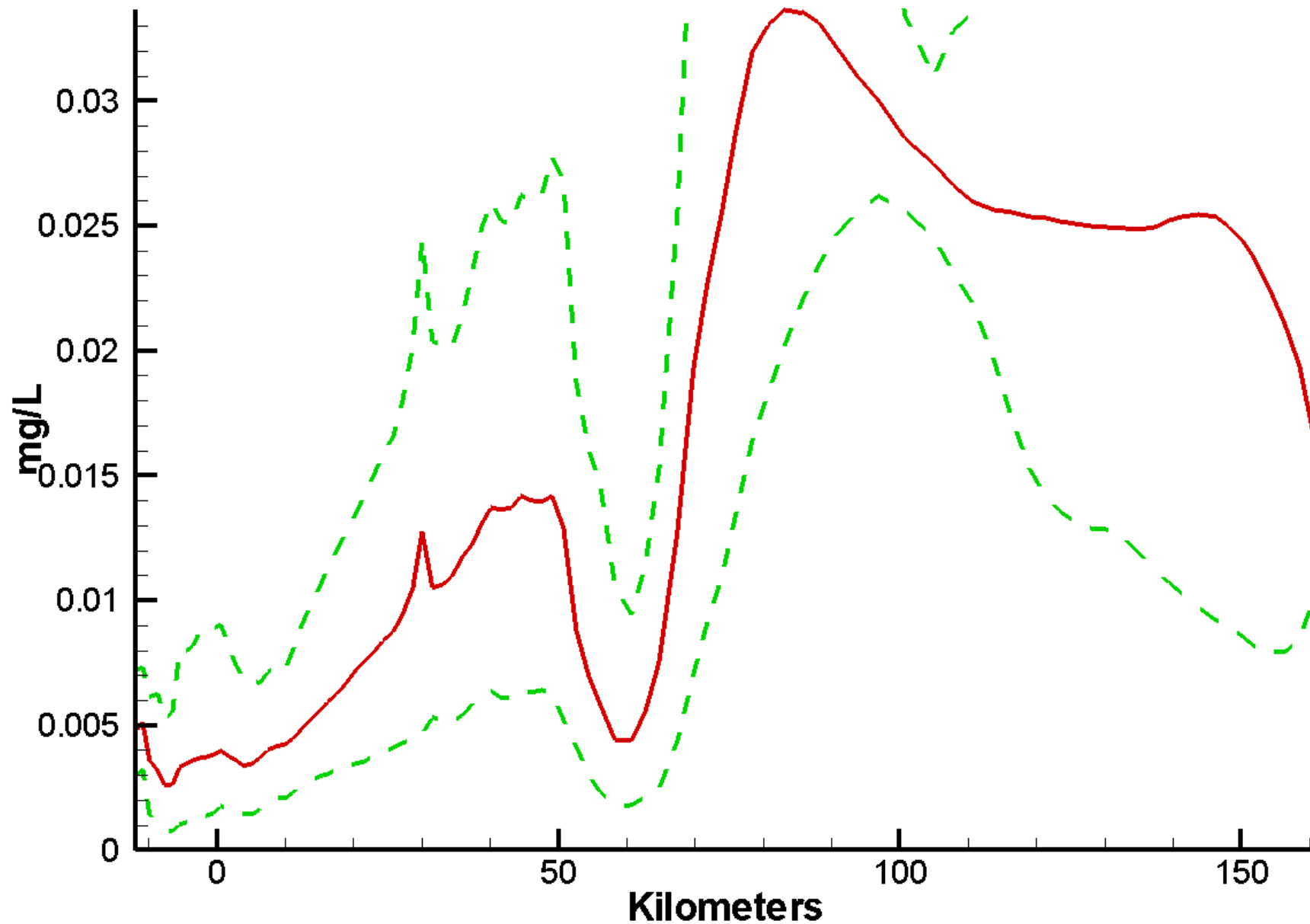
## Surface Nitrate Summer 2007



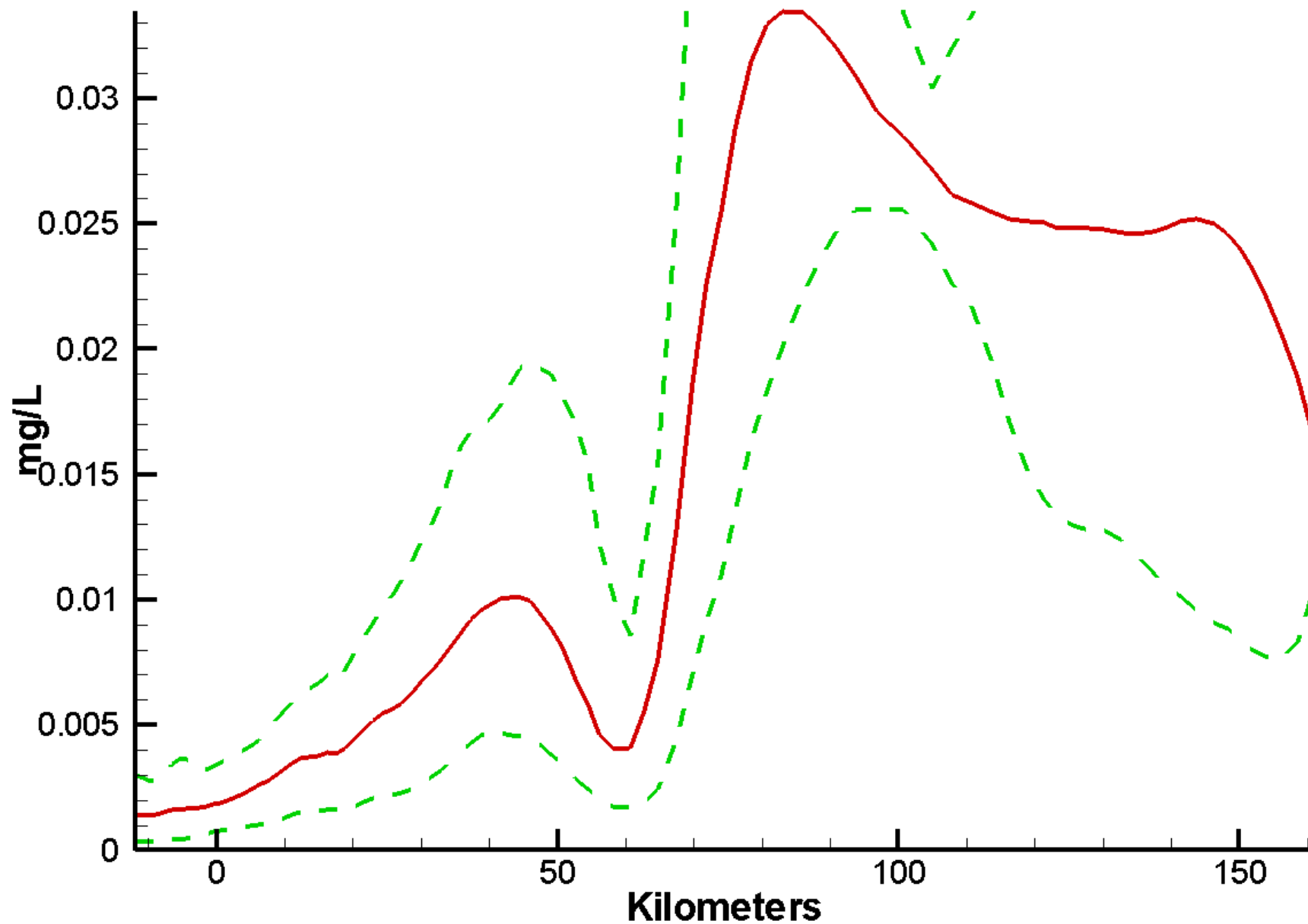


# Rappahannock River 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 200

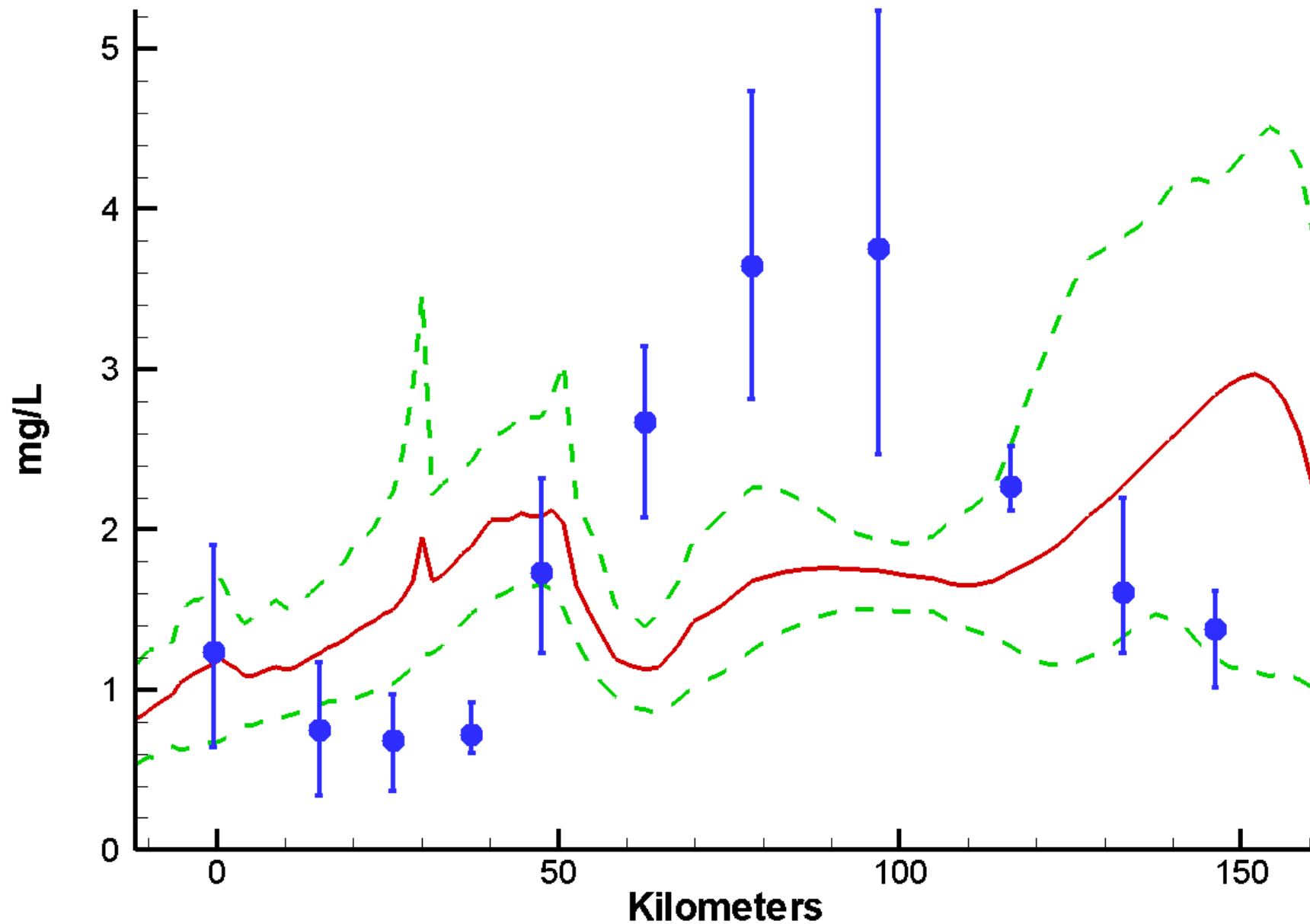


**Rappahannock River 2002-2011 Run59**  
**Surface Particulate Inorganic Phosphorus Summer 2000**



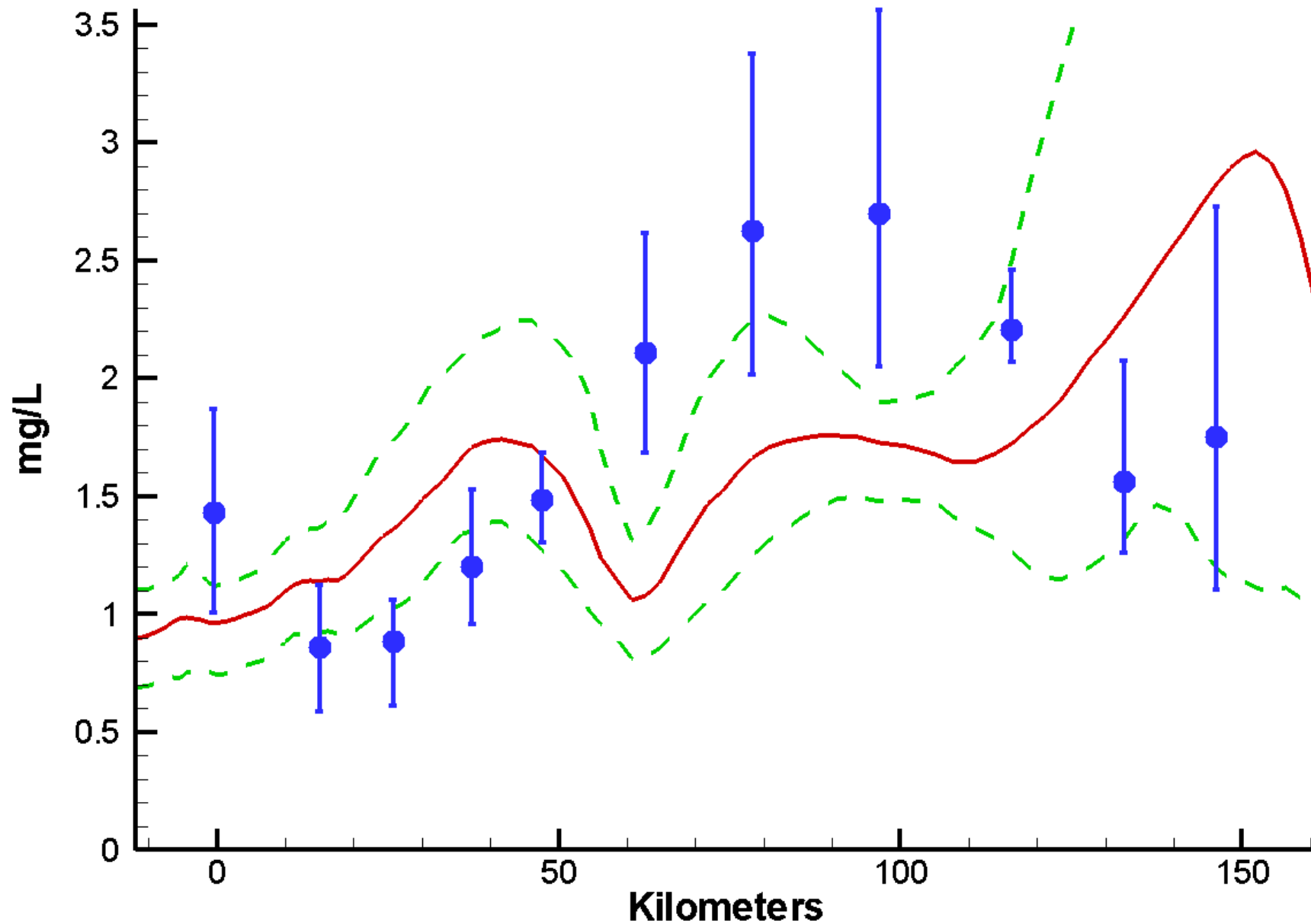
# Rappahannock River 2002-2011 Run59

## Bottom Particulate Organic Carbon Summer 2007

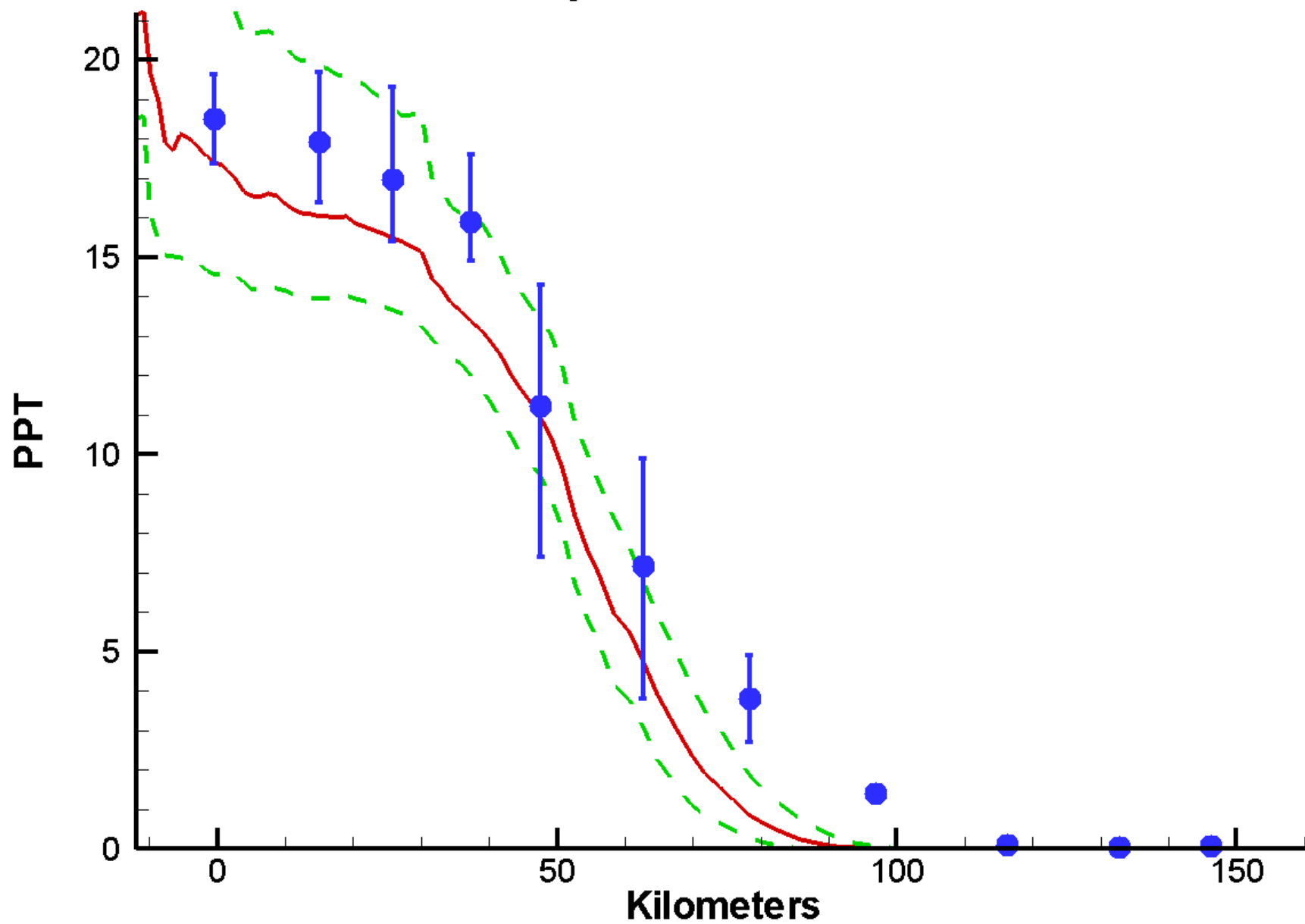


# Rappahannock River 2002-2011 Run59

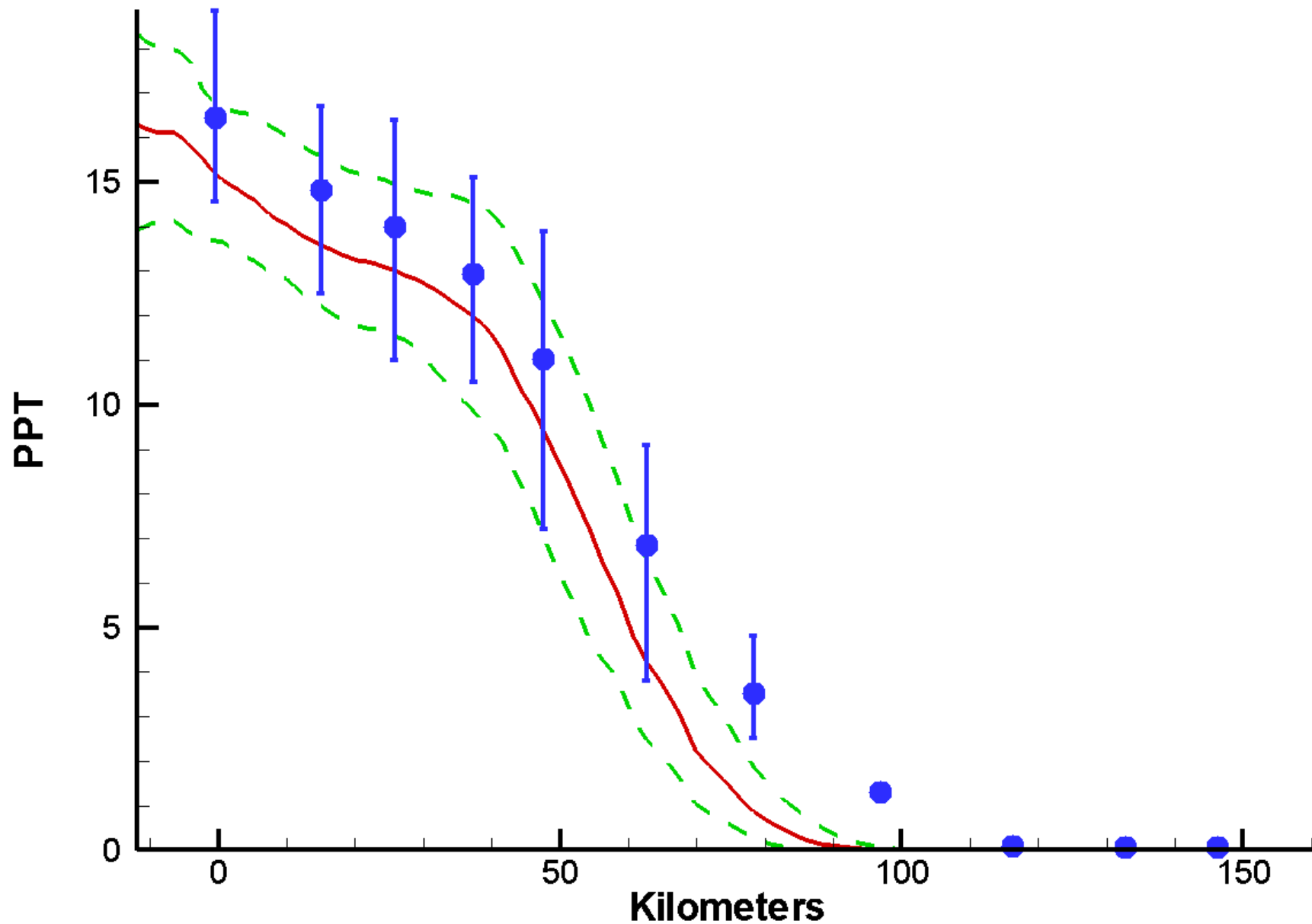
## Surface Particulate Organic Carbon Summer 2007



# Rappahannock River 2002-2011 Run59 Bottom Salinity Summer 2007

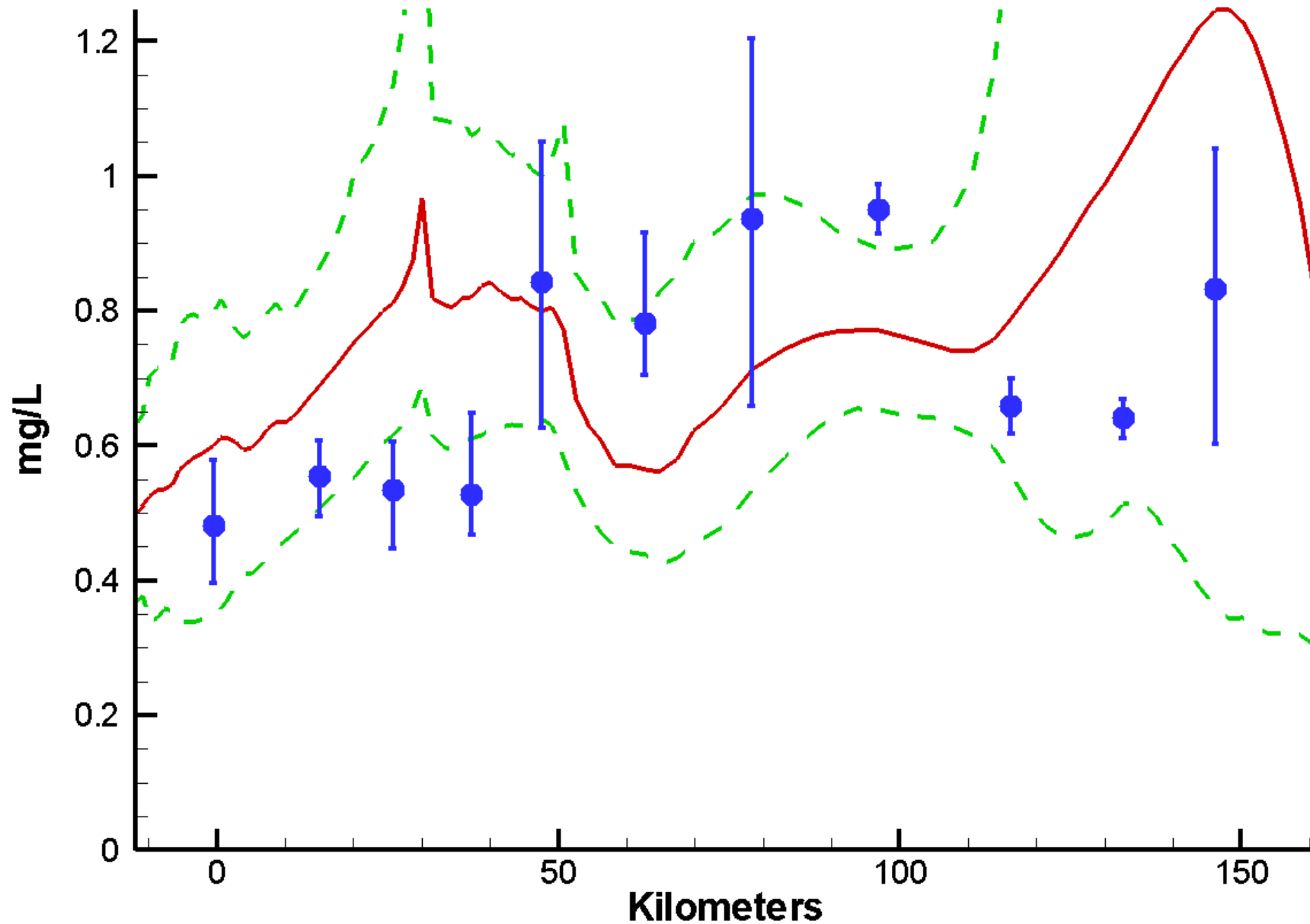


# Rappahannock River 2002-2011 Run59 Surface Salinity Summer 2007

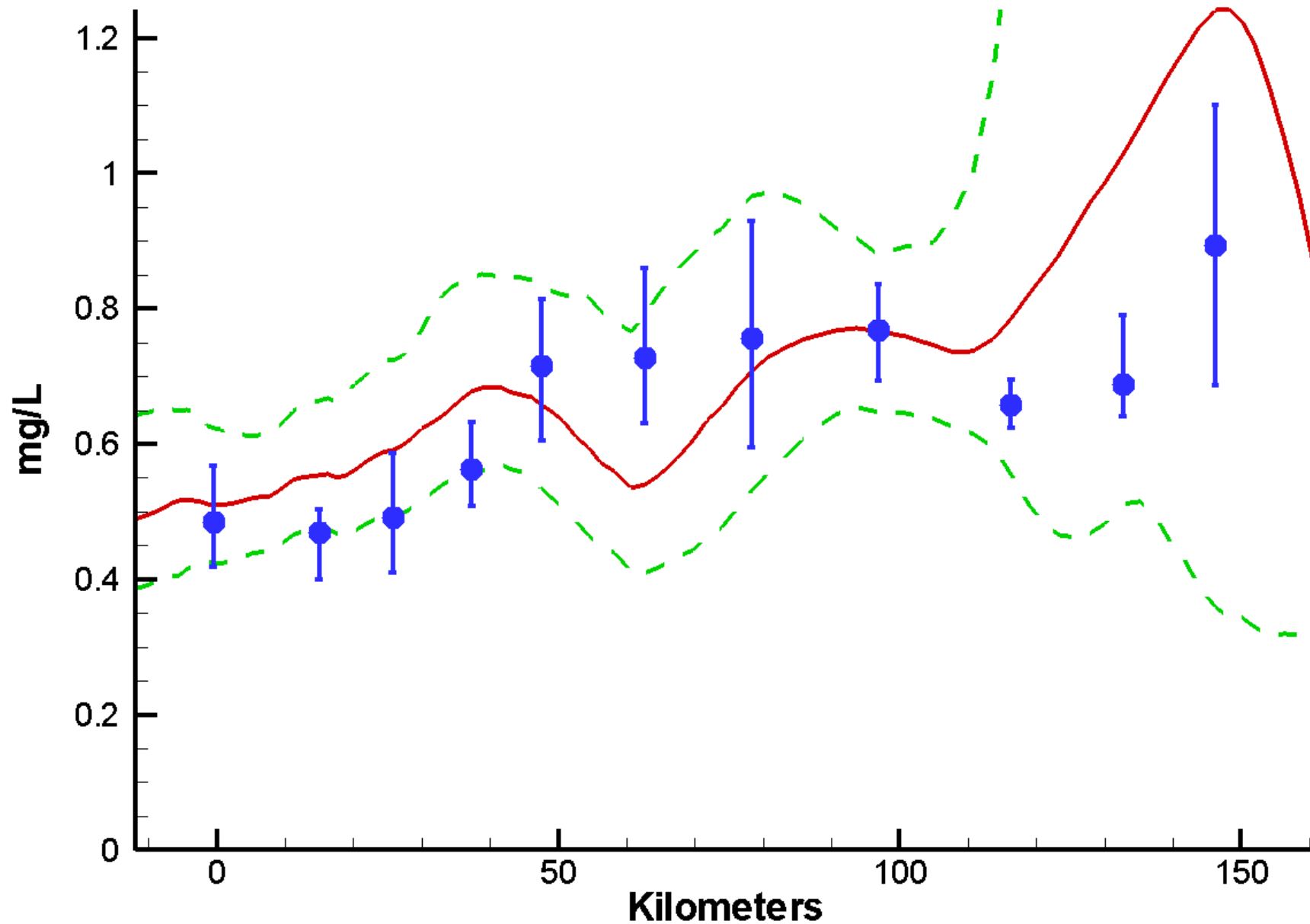


# Rappahannock River 2002-2011 Run59

## Bottom Total Nitrogen Summer 2007



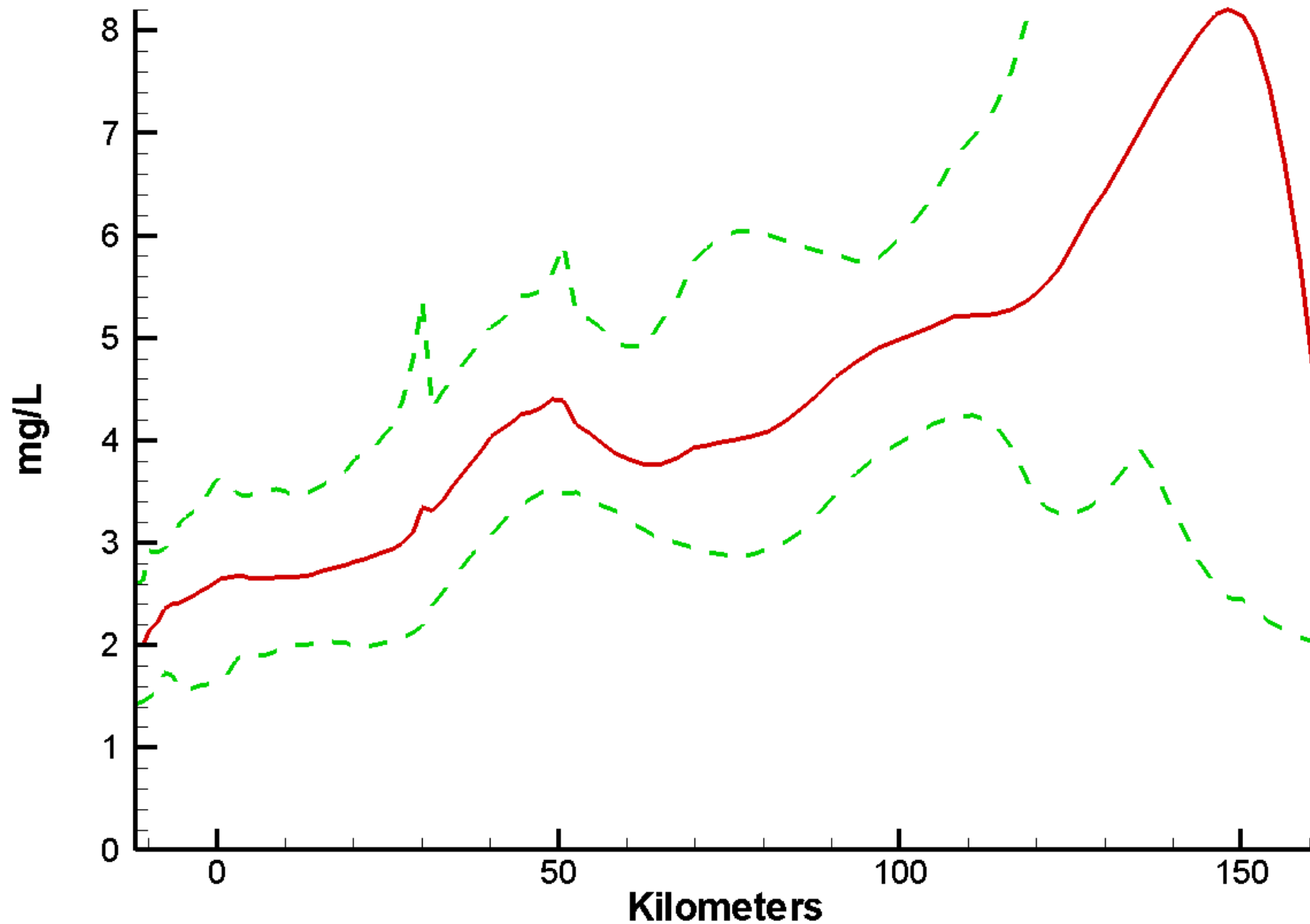
# Rappahannock River 2002-2011 Run59 Surface Total Nitrogen Summer 2007





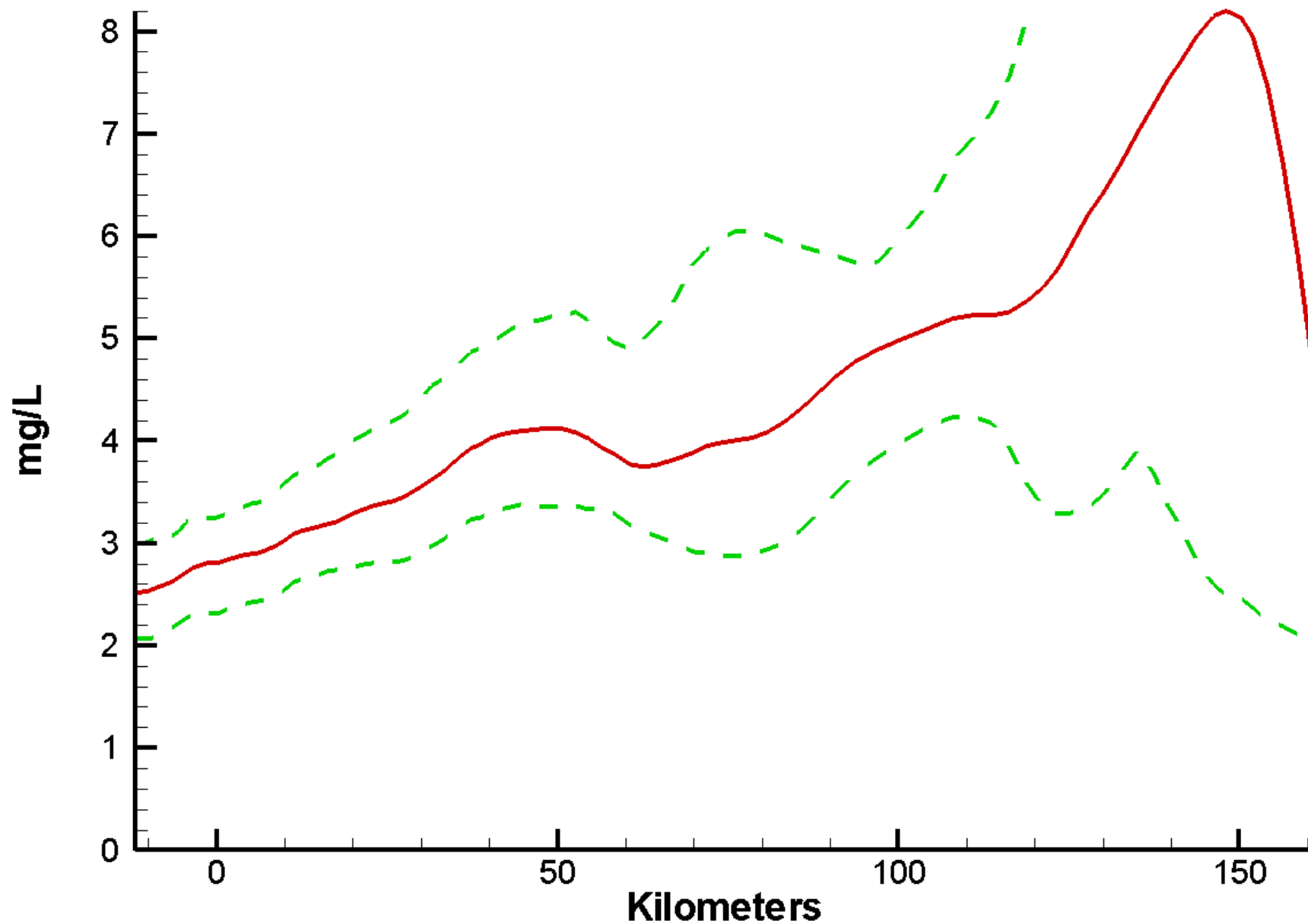
# Rappahannock River 2002-2011 Run59

## Bottom Total Organic Carbon Summer 2007



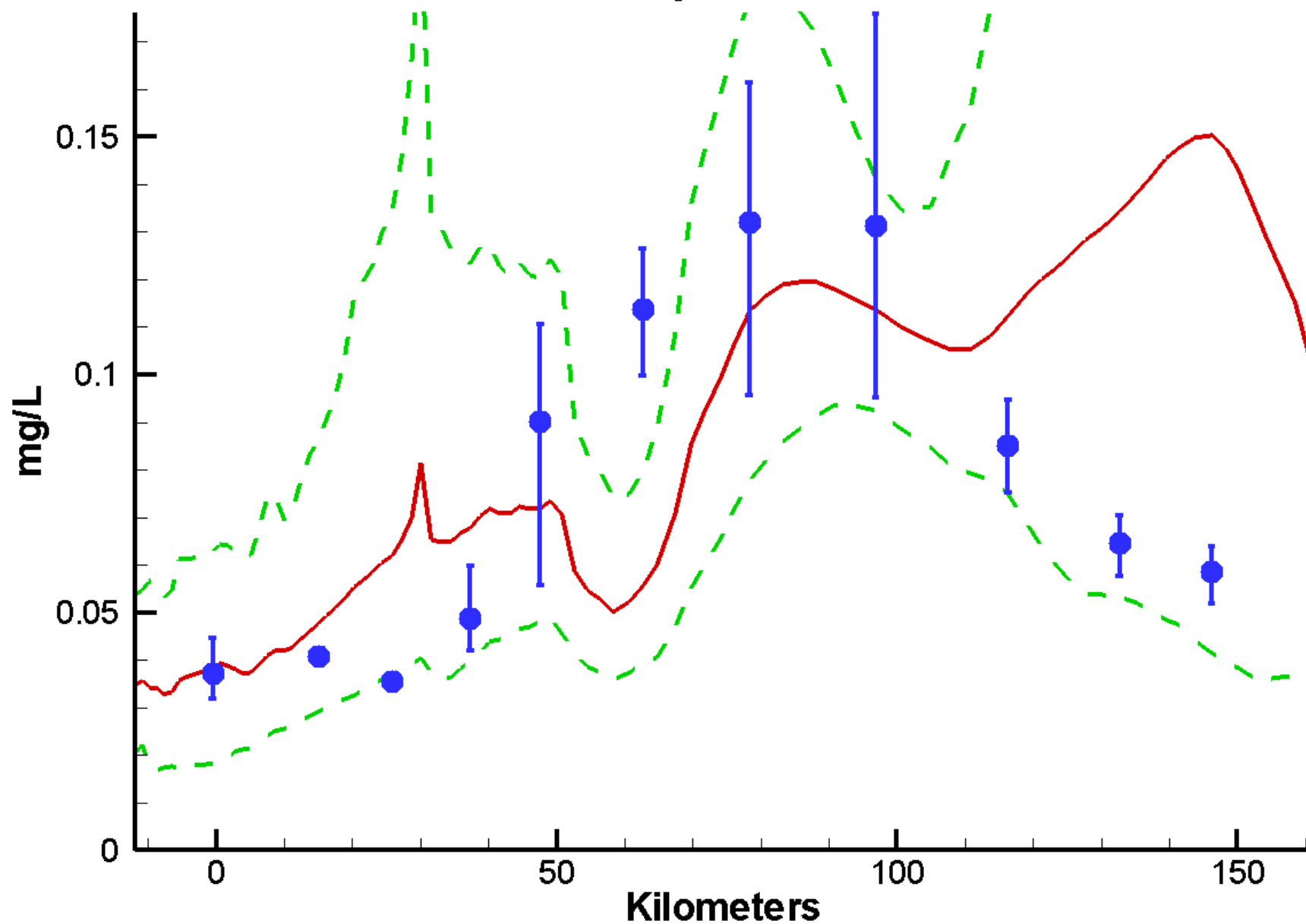
# Rappahannock River 2002-2011 Run59

## Surface Total Organic Carbon Summer 2007



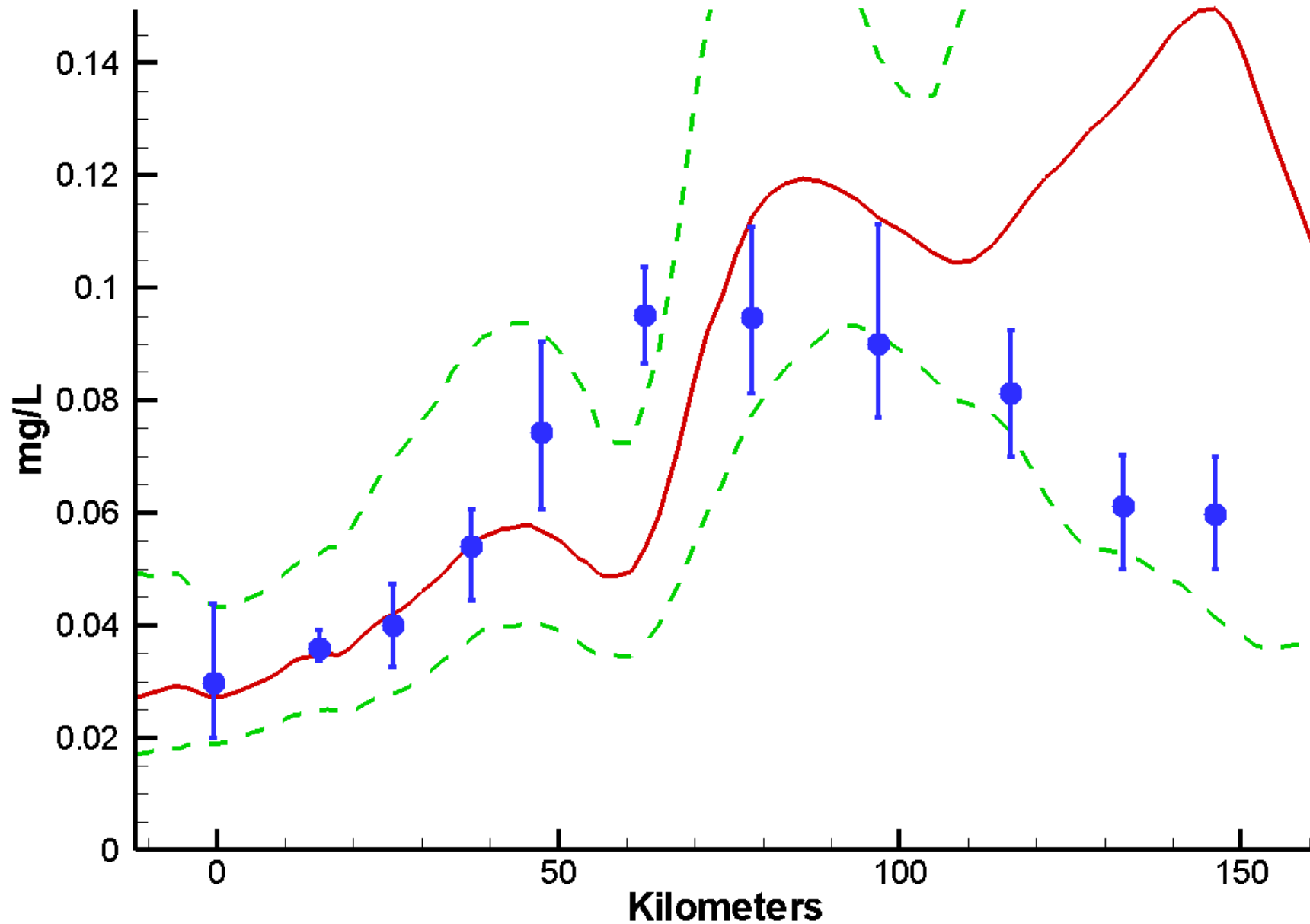
# Rappahannock River 2002-2011 Run59

## Bottom Total Phosphorus Summer 2007



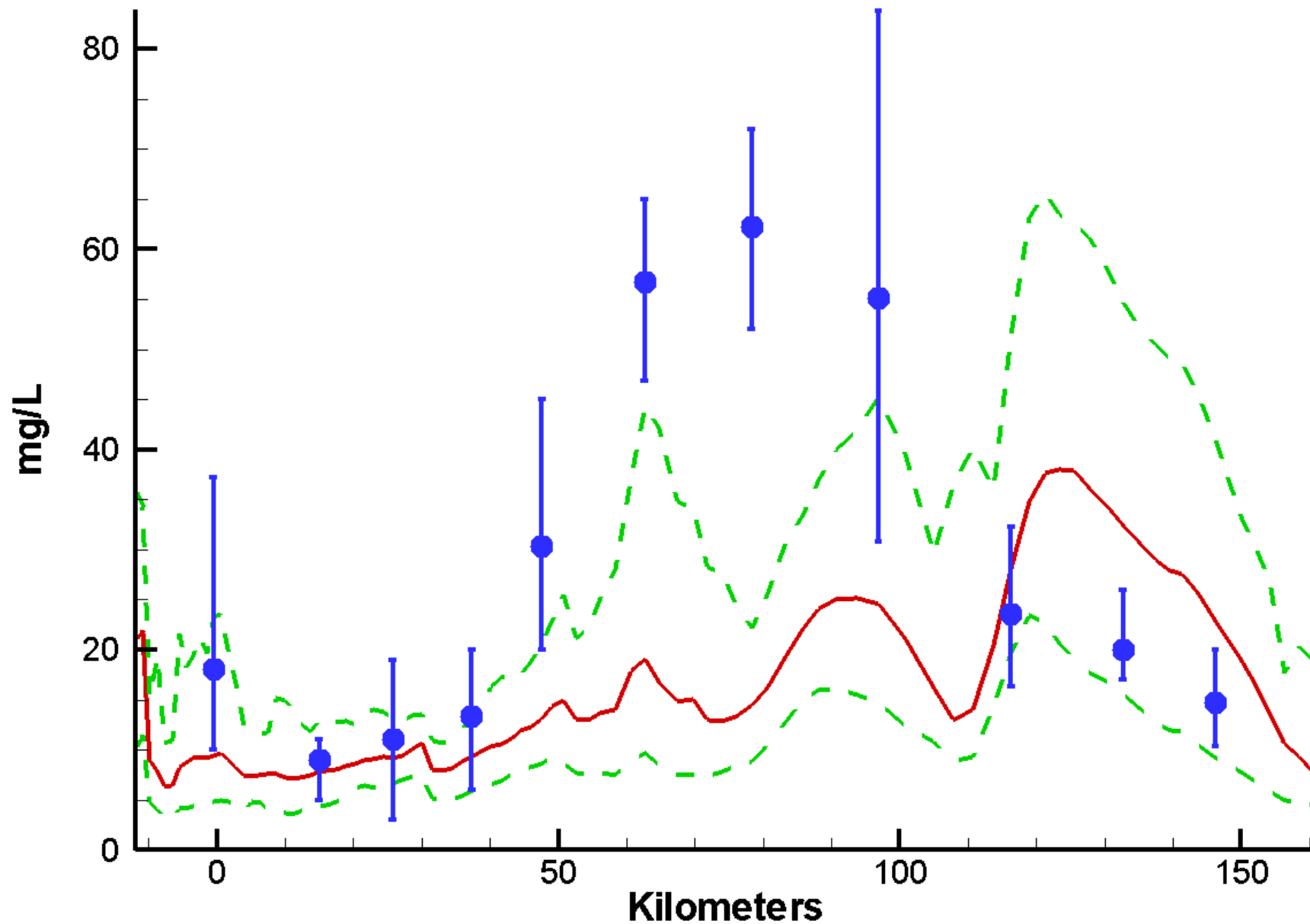
# Rappahannock River 2002-2011 Run59

## Surface Total Phosphorus Summer 2007



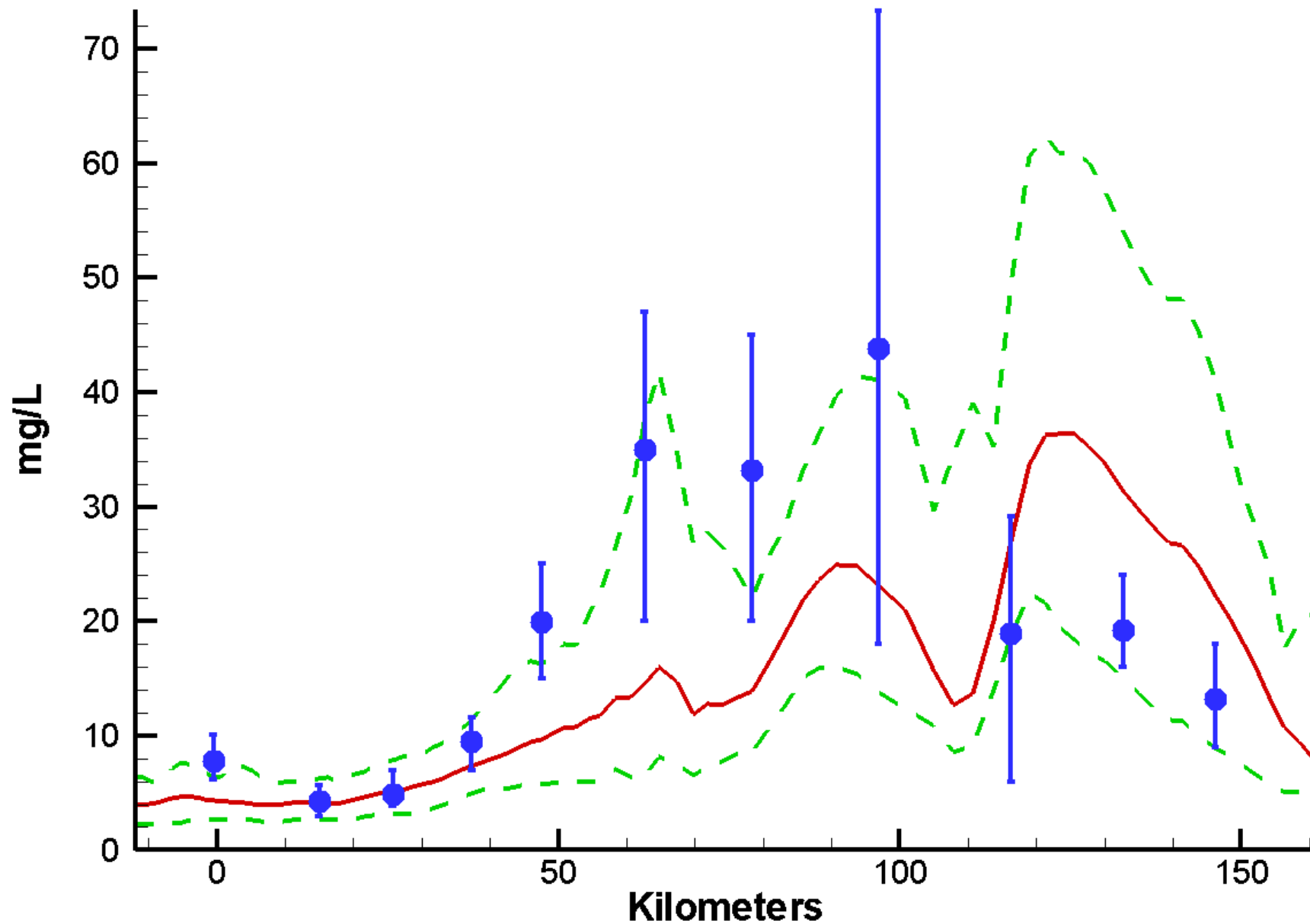
# Rappahannock River 2002-2011 Run59

## Bottom Total Suspended Solids Summer 2007



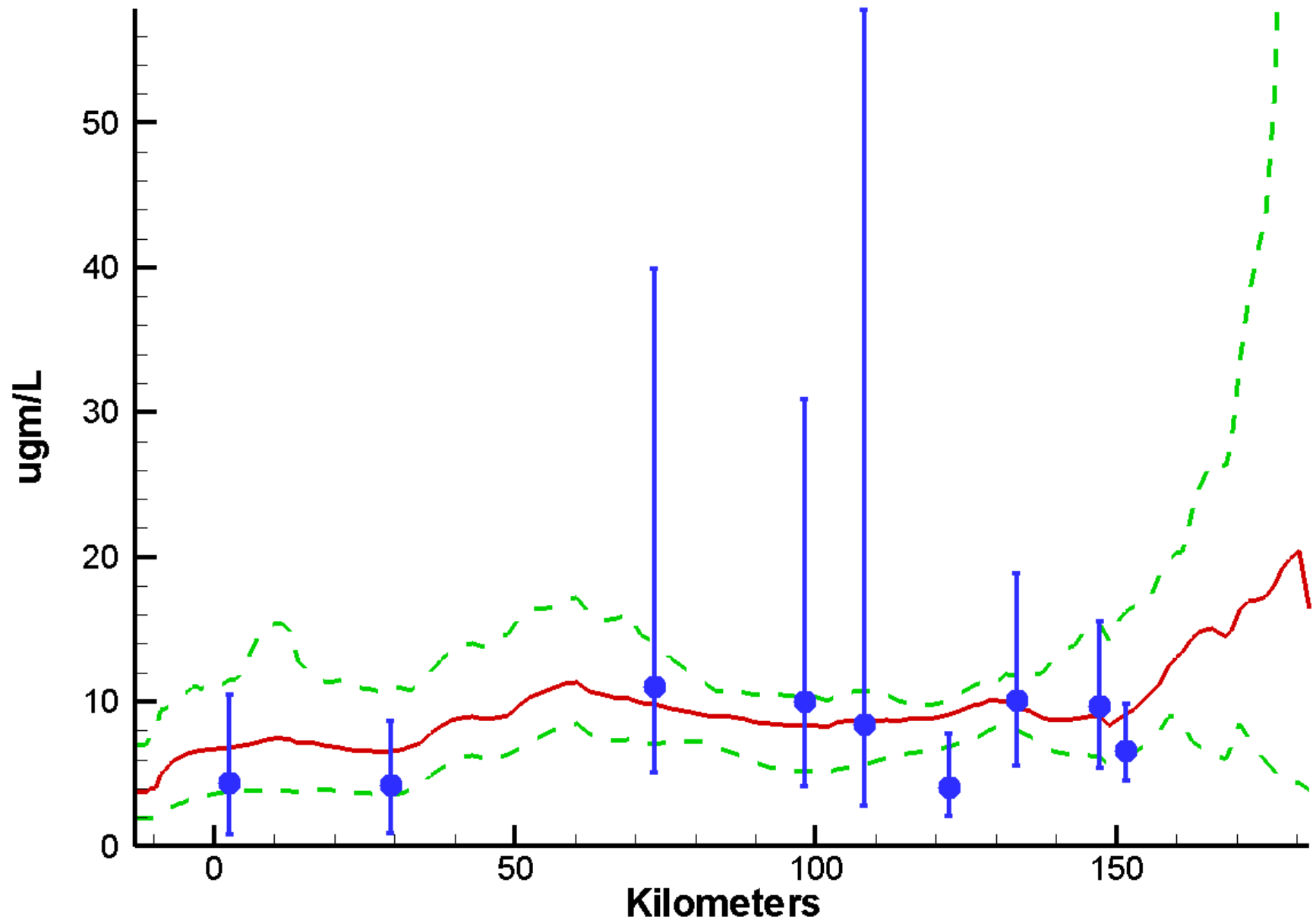
# Rappahannock River 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007

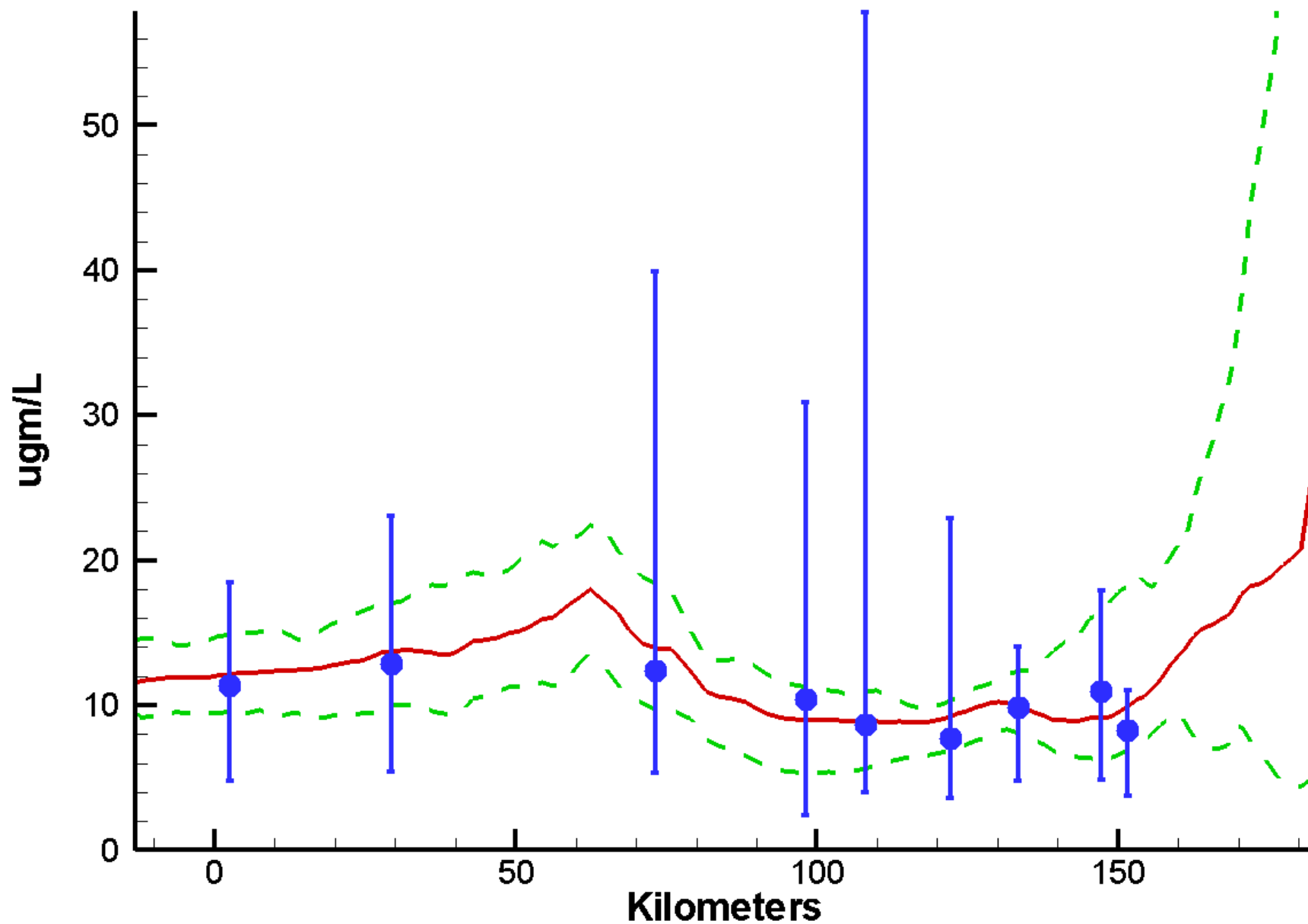


# Potomac River 2002-2011 Run59

## Bottom Chlorophyll Summer 2007



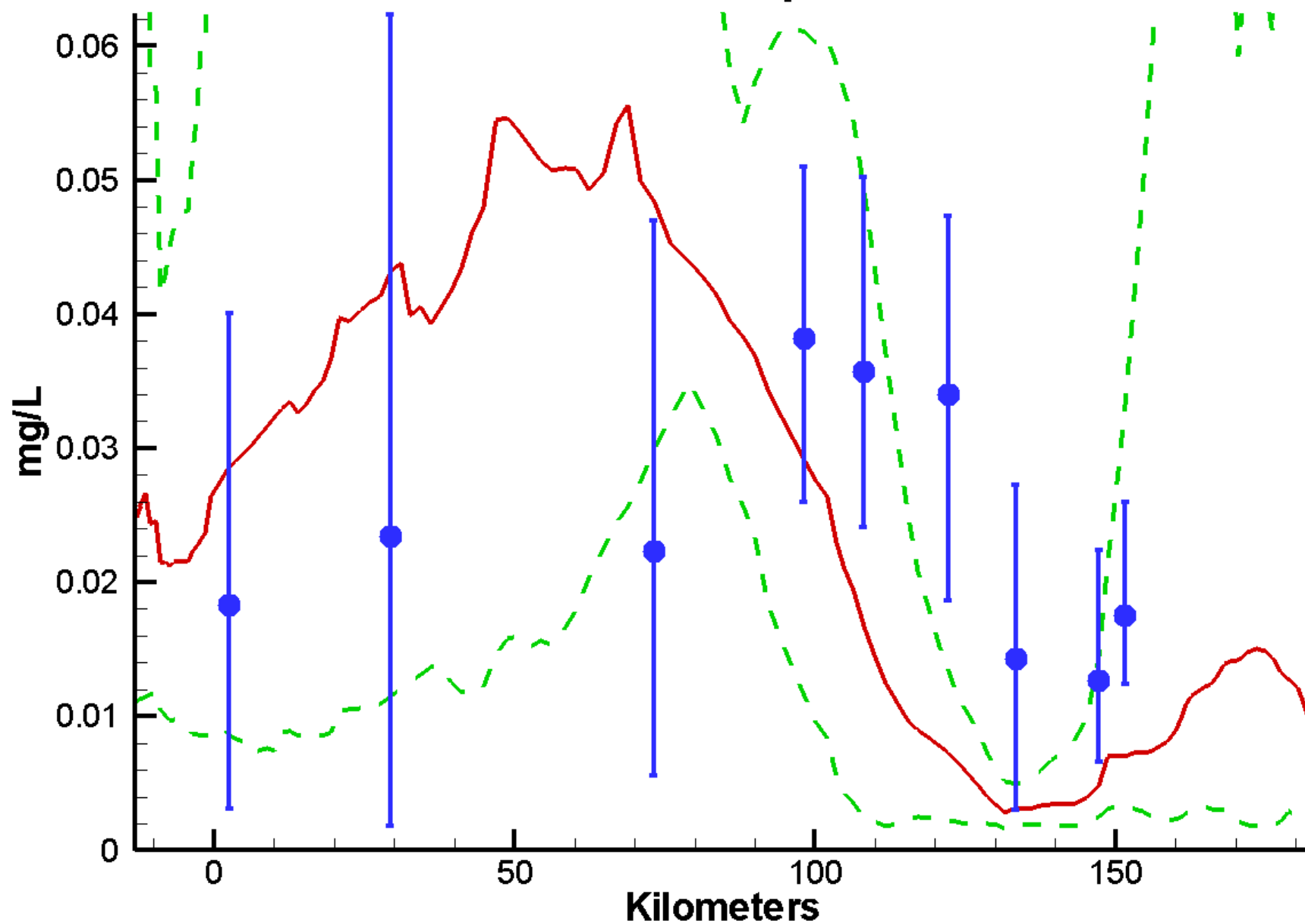
# Potomac River 2002-2011 Run59 Surface Chlorophyll Summer 2007





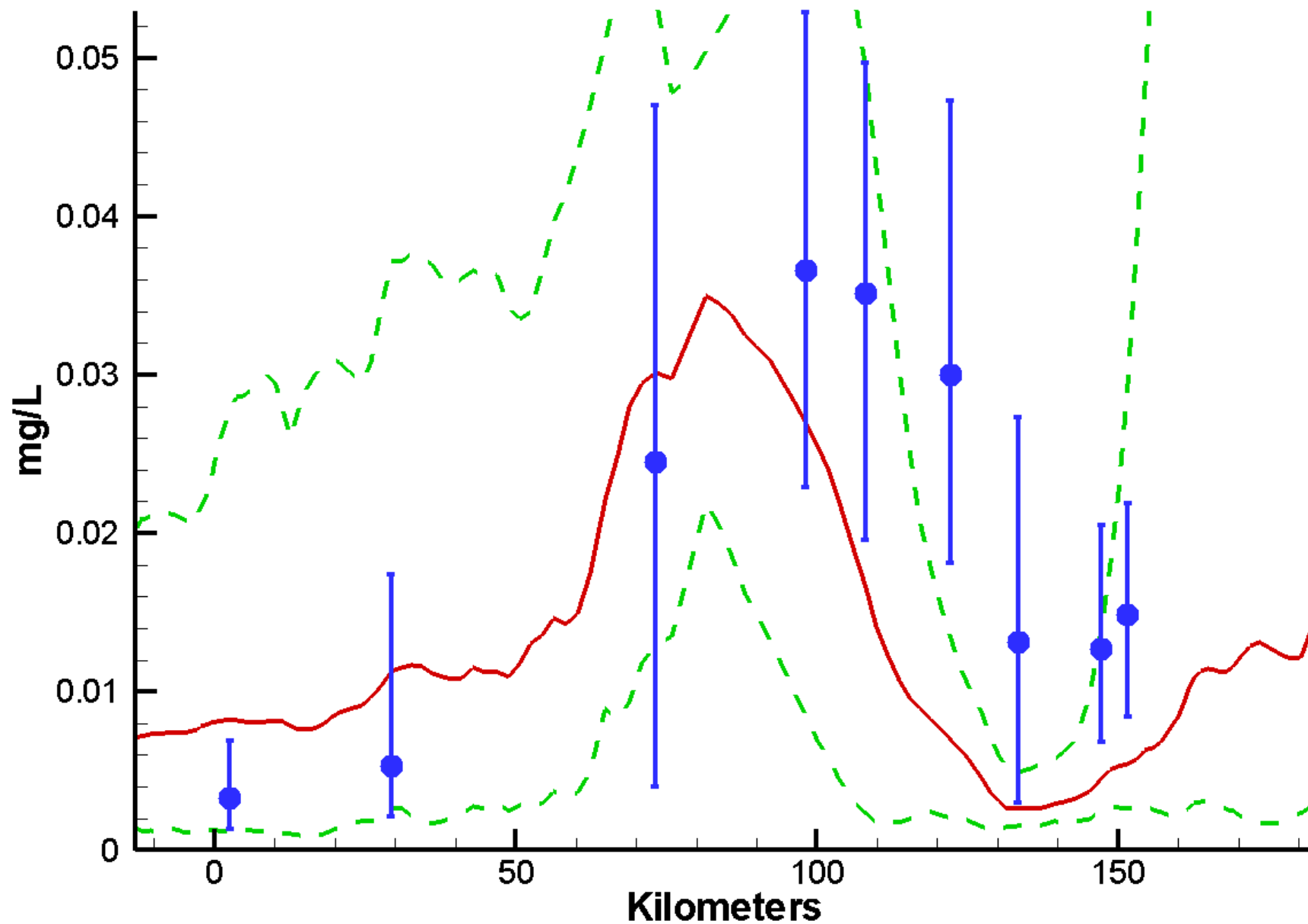
# Potomac River 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007



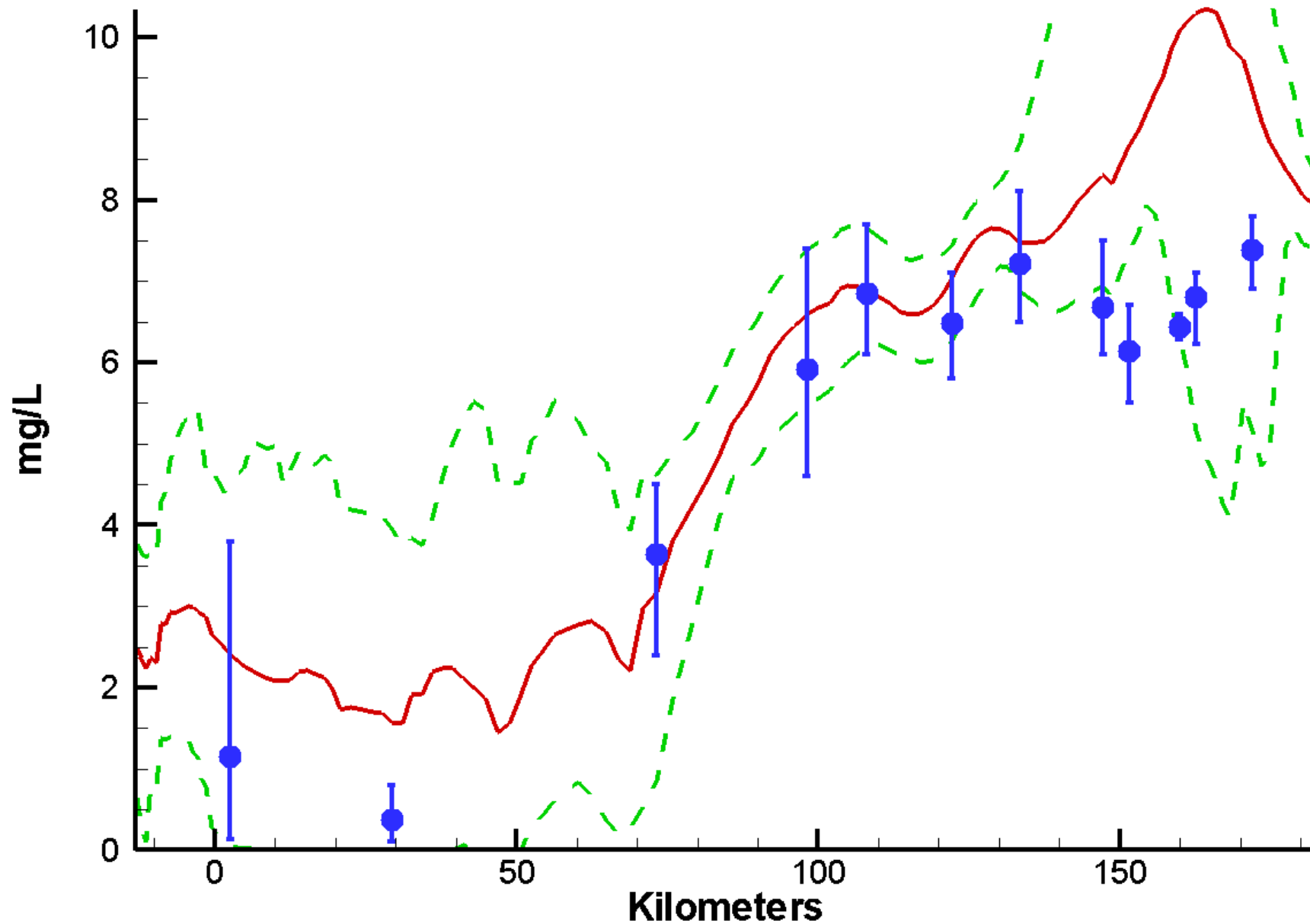
# Potomac River 2002-2011 Run59

## Surface Dissolved Phosphate Summer 2007



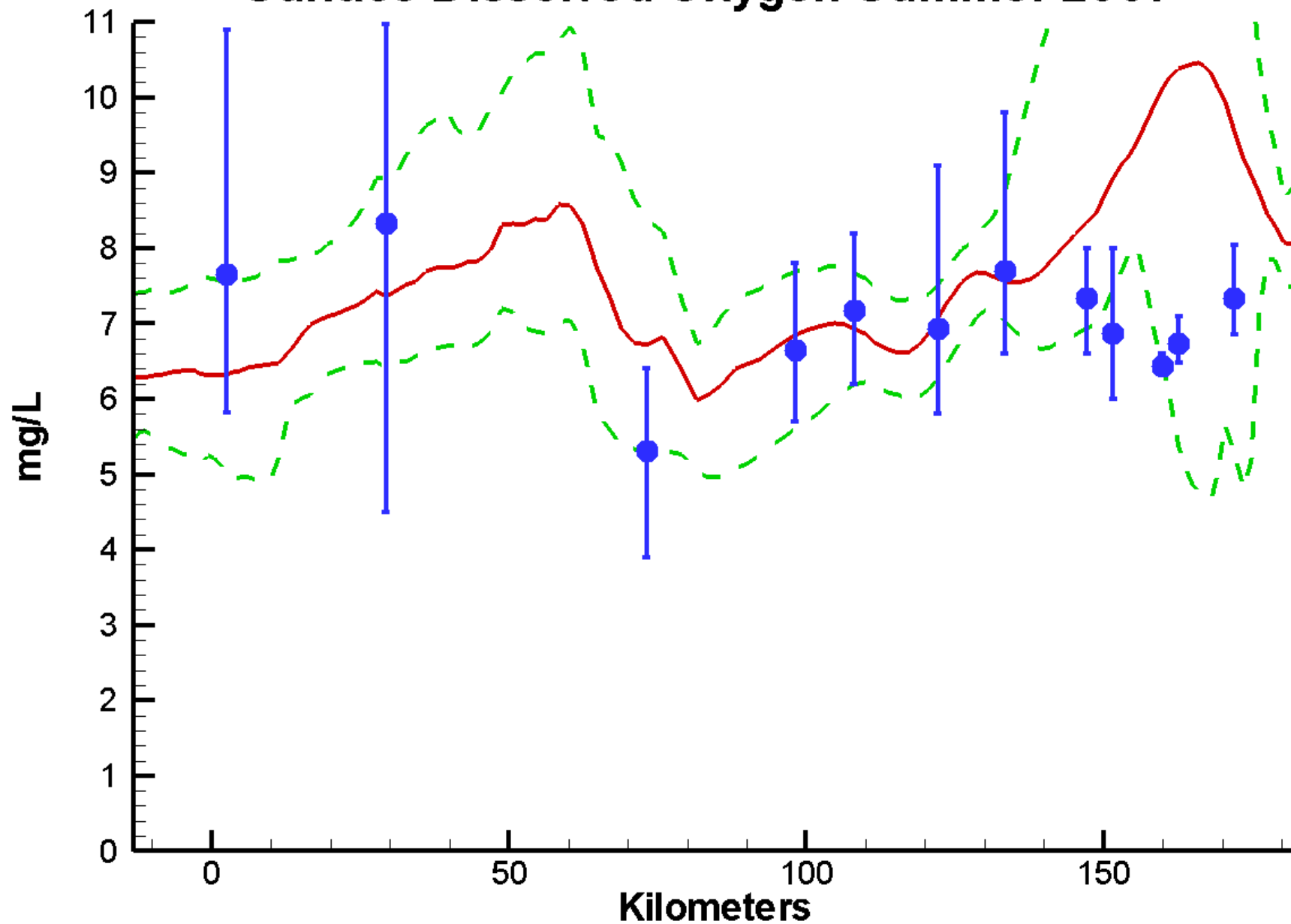
# Potomac River 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007



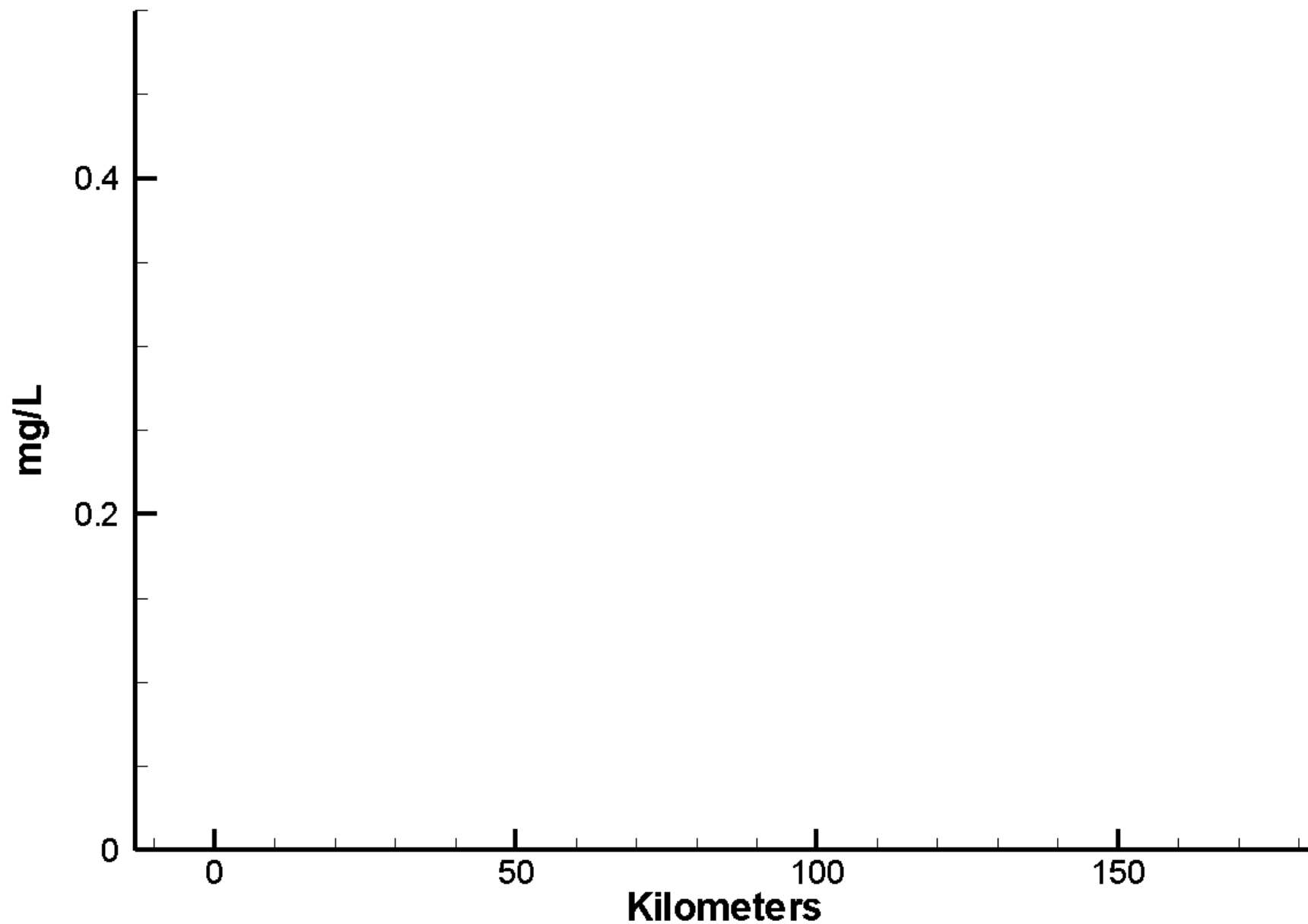
# Potomac River 2002-2011 Run59

## Surface Dissolved Oxygen Summer 2007



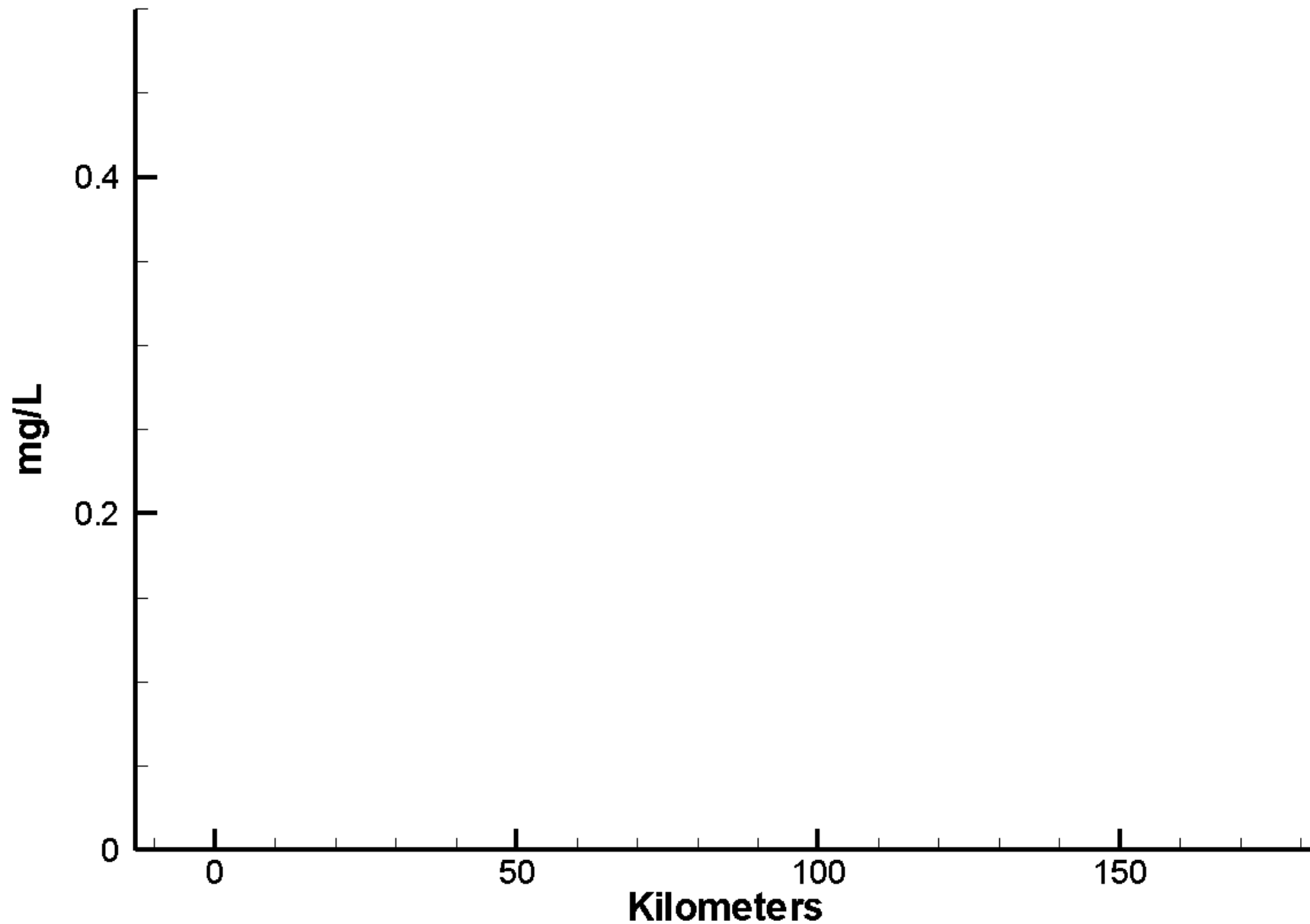
# Potomac River 2002-2011 Run59

## Bottom Dissolved Silica Summer 2007



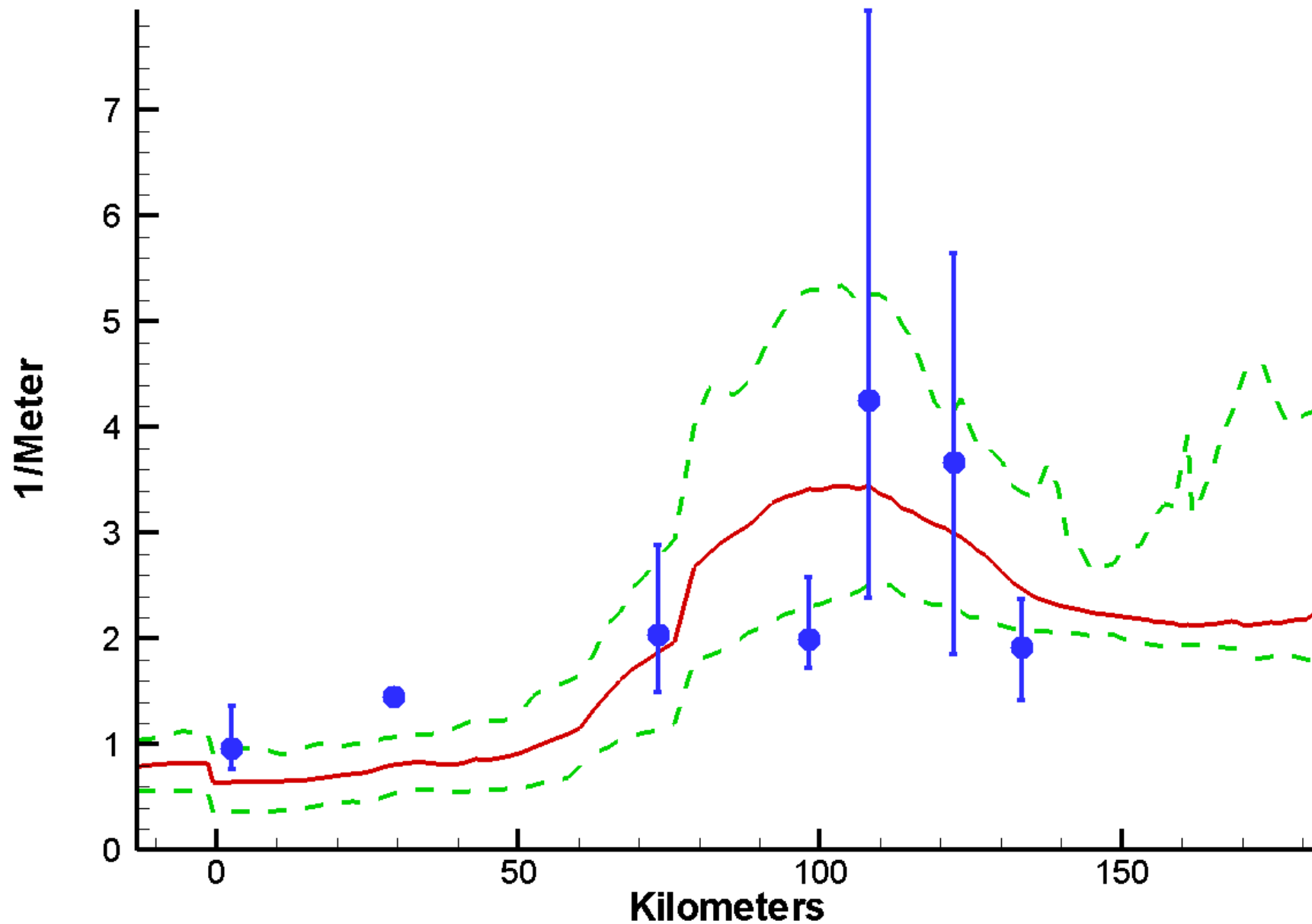
# Potomac River 2002-2011 Run59

## Surface Dissolved Silica Summer 2007



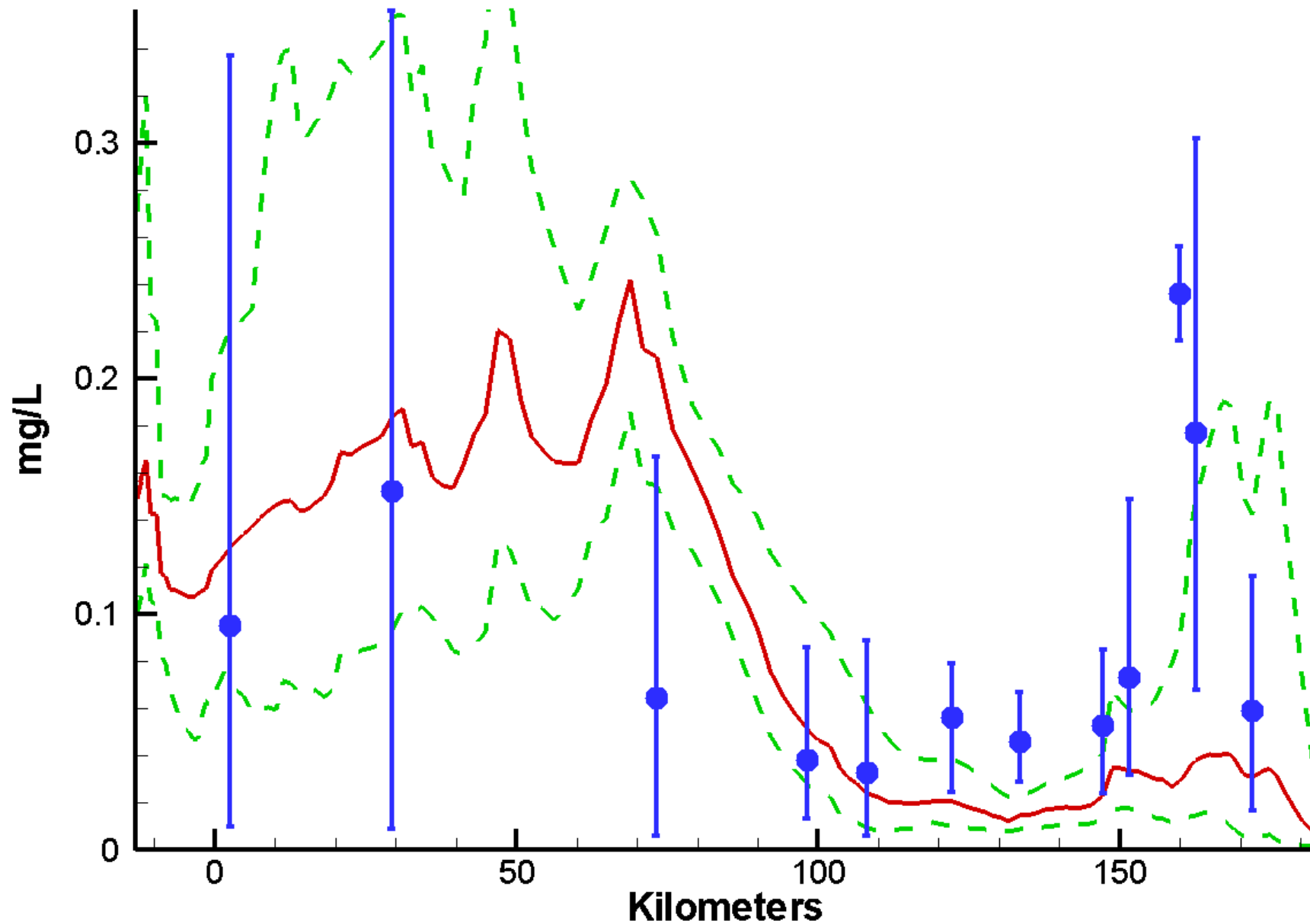
# Potomac River 2002-2011 Run59

## Surface Light Extinction Summer 2007



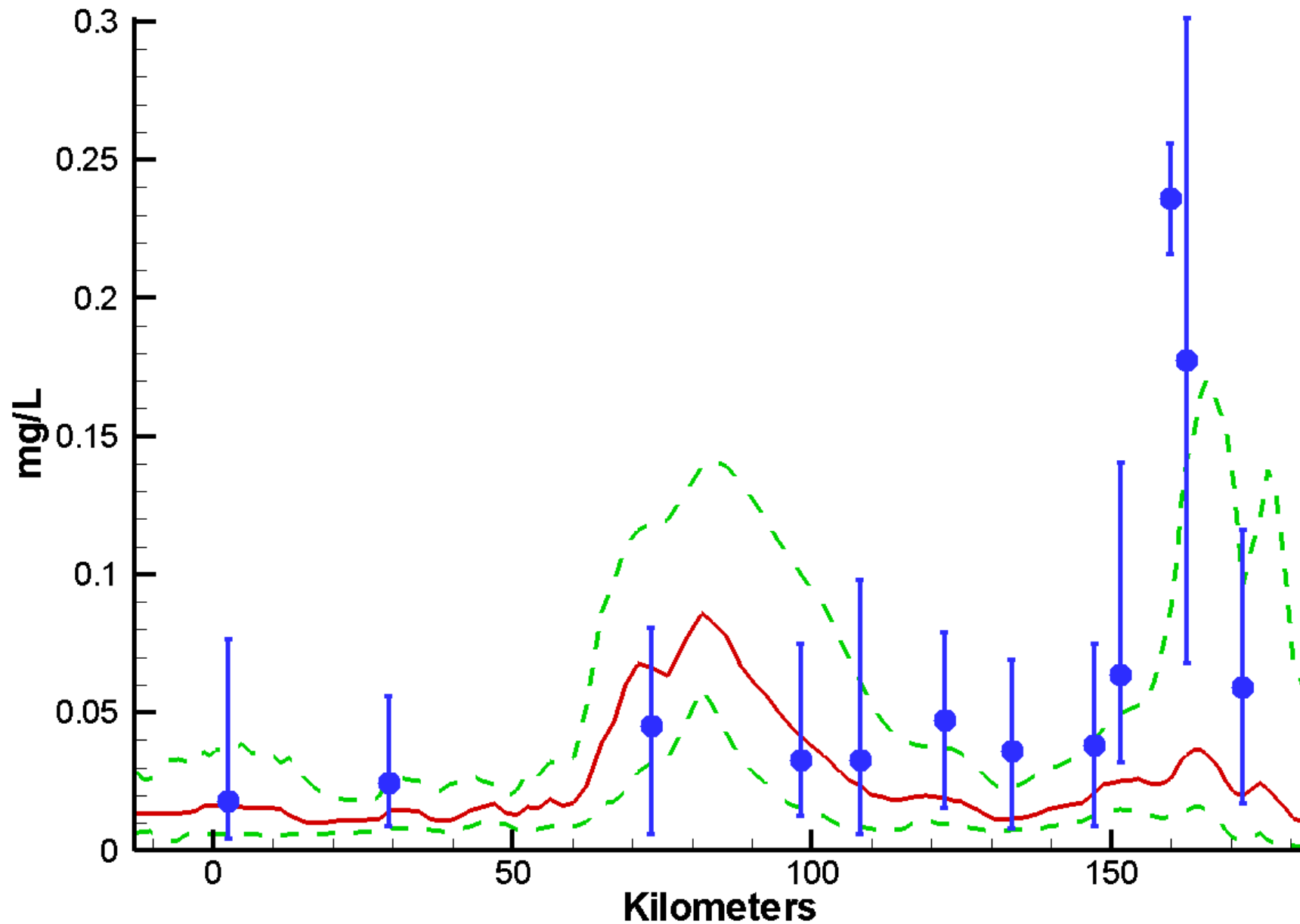
# Potomac River 2002-2011 Run59

## Bottom Ammonium Summer 2007



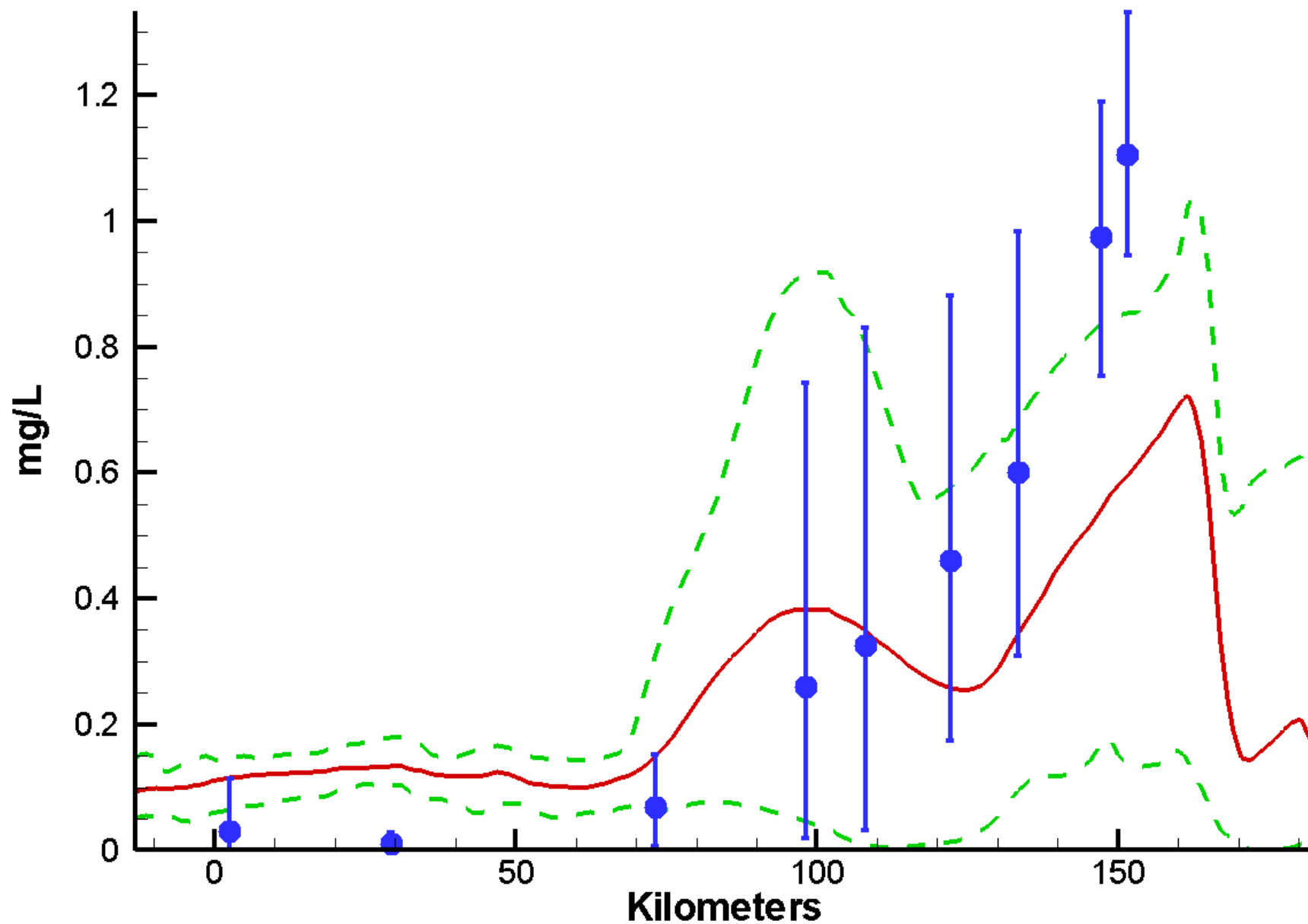


# Potomac River 2002-2011 Run59 Surface Ammonium Summer 2007



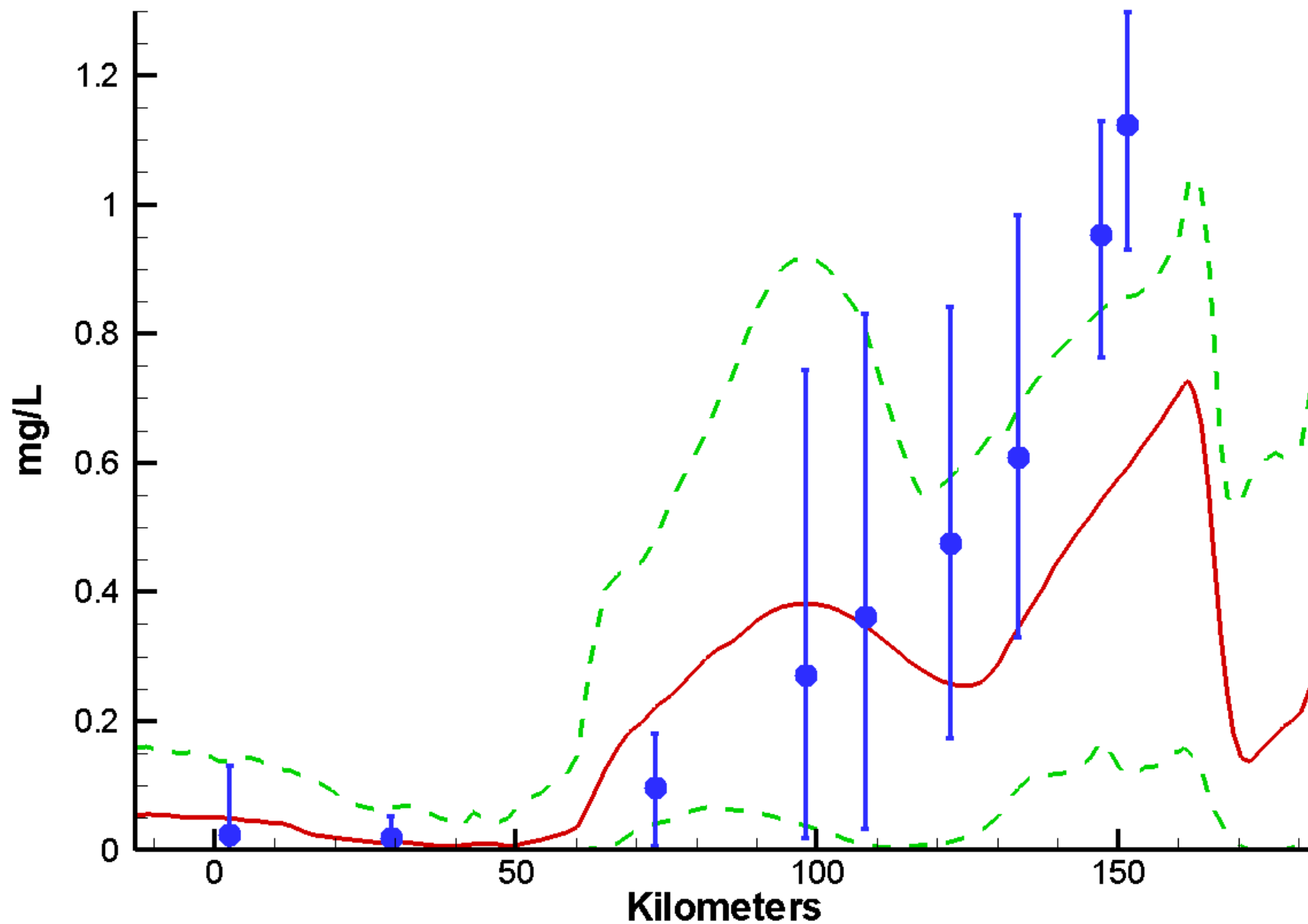
# Potomac River 2002-2011 Run59

## Bottom Nitrate Summer 2007



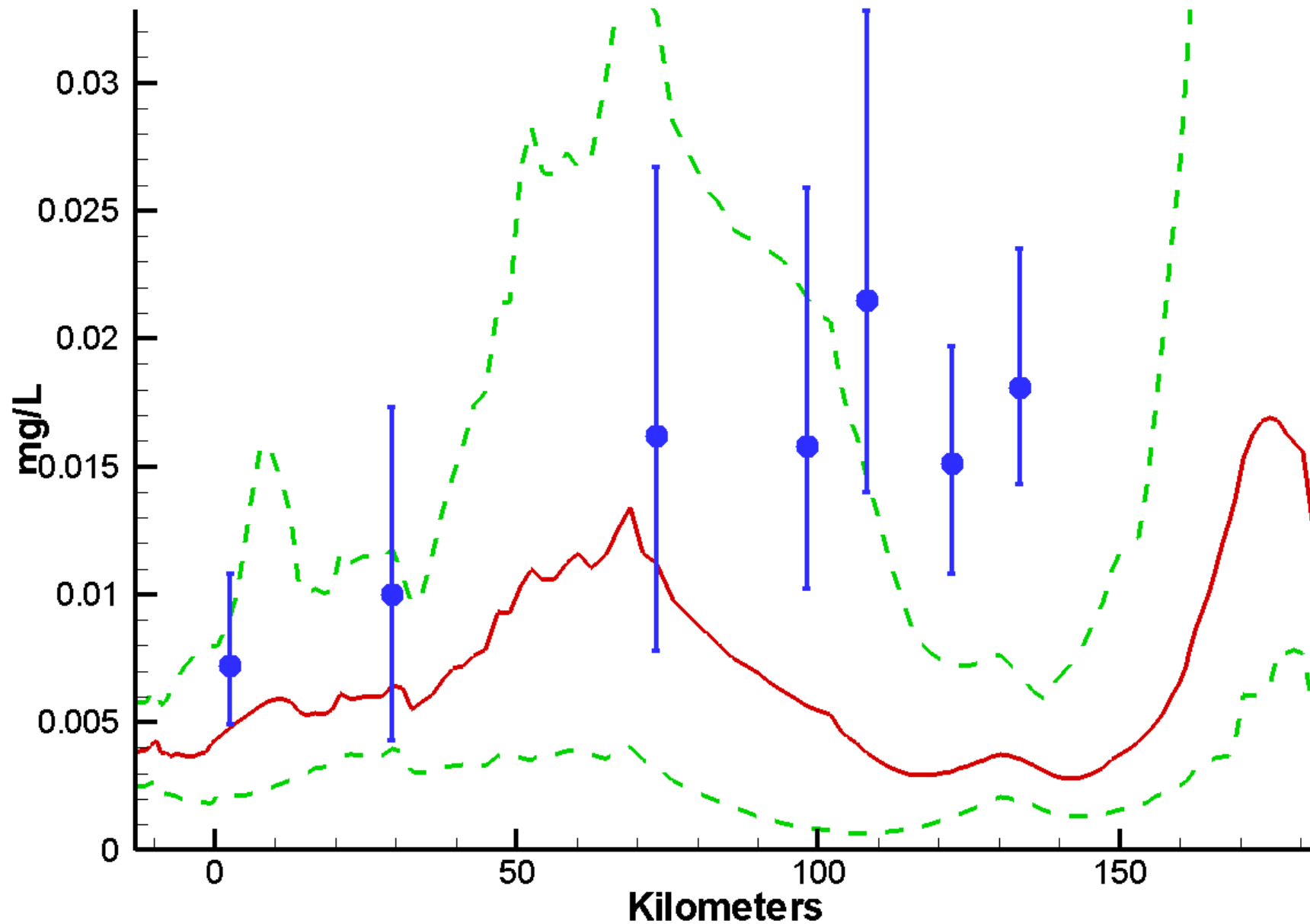
# Potomac River 2002-2011 Run59

## Surface Nitrate Summer 2007



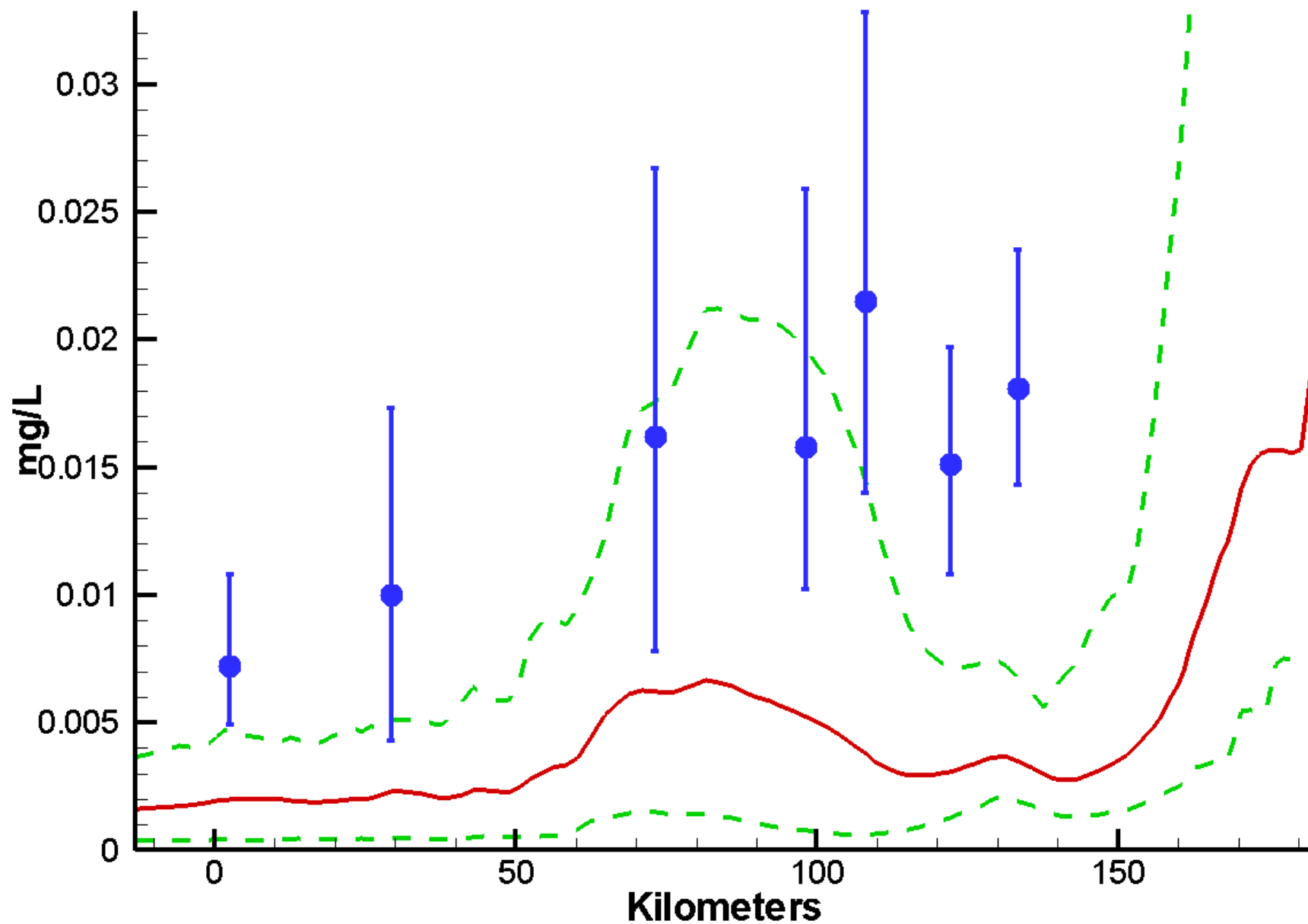
# Potomac River 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 2000



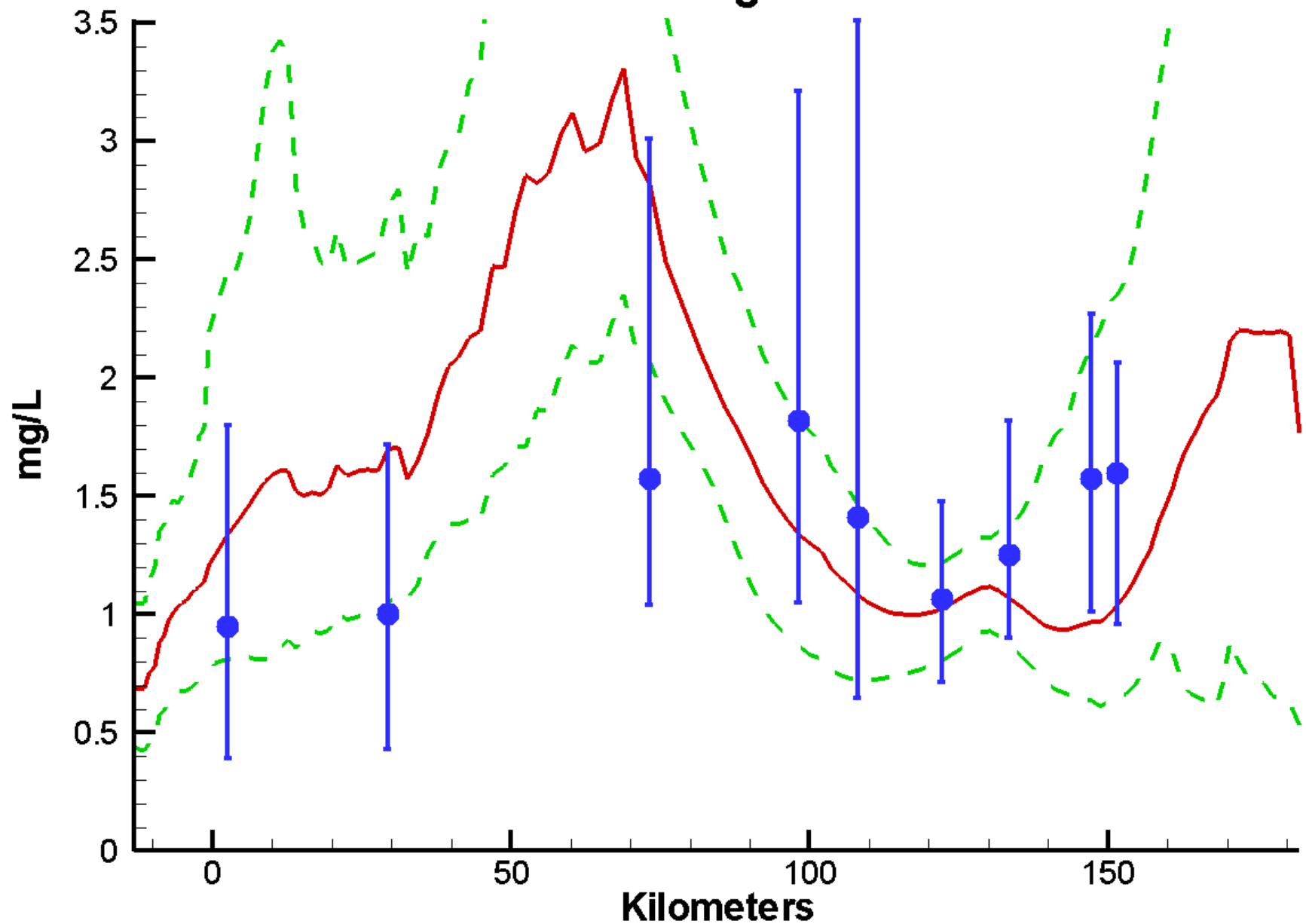
# Potomac River 2002-2011 Run59

## Surface Particulate Inorganic Phosphorus Summer 2000



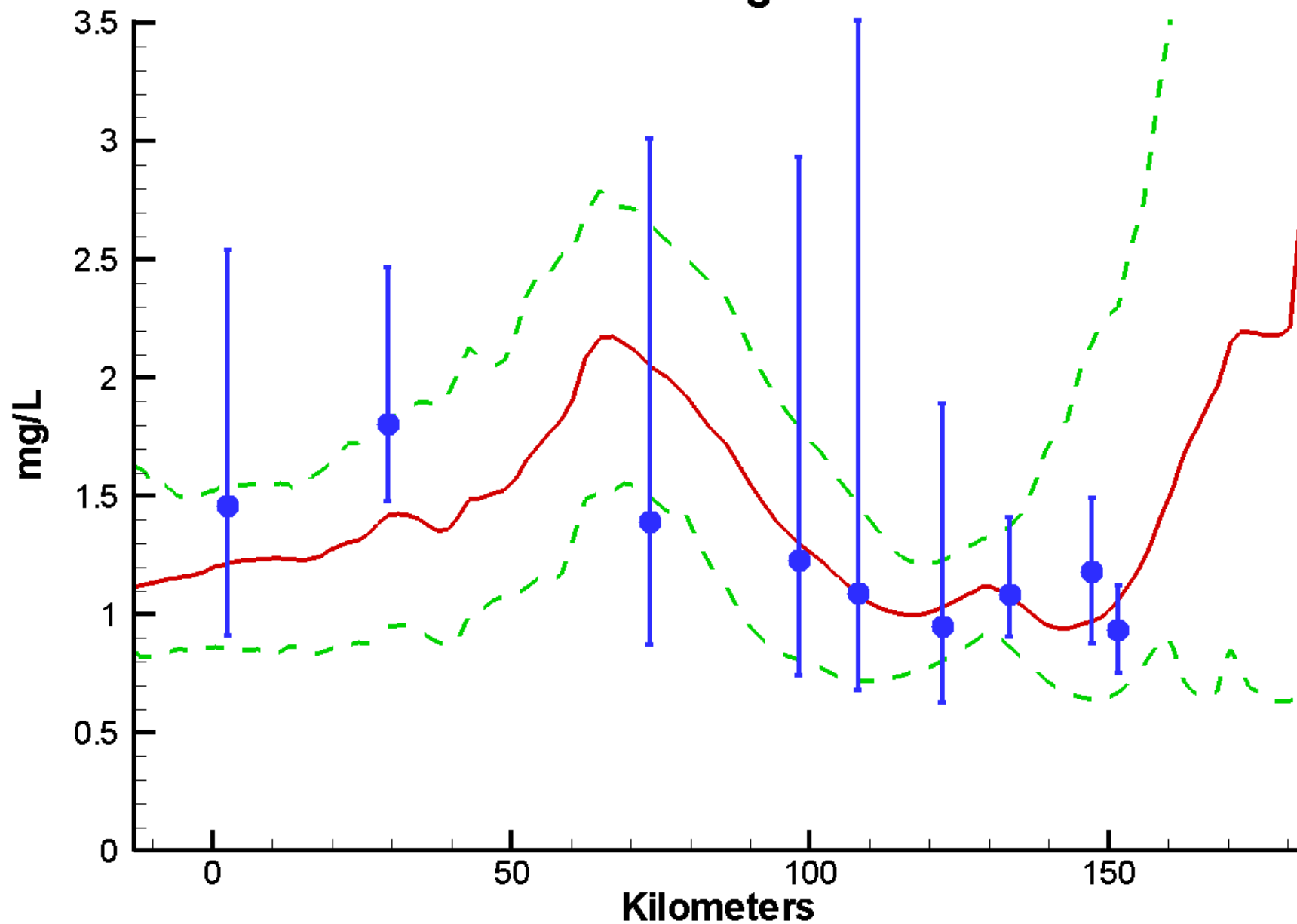
# Potomac River 2002-2011 Run59

## Bottom Particulate Organic Carbon Summer 2007



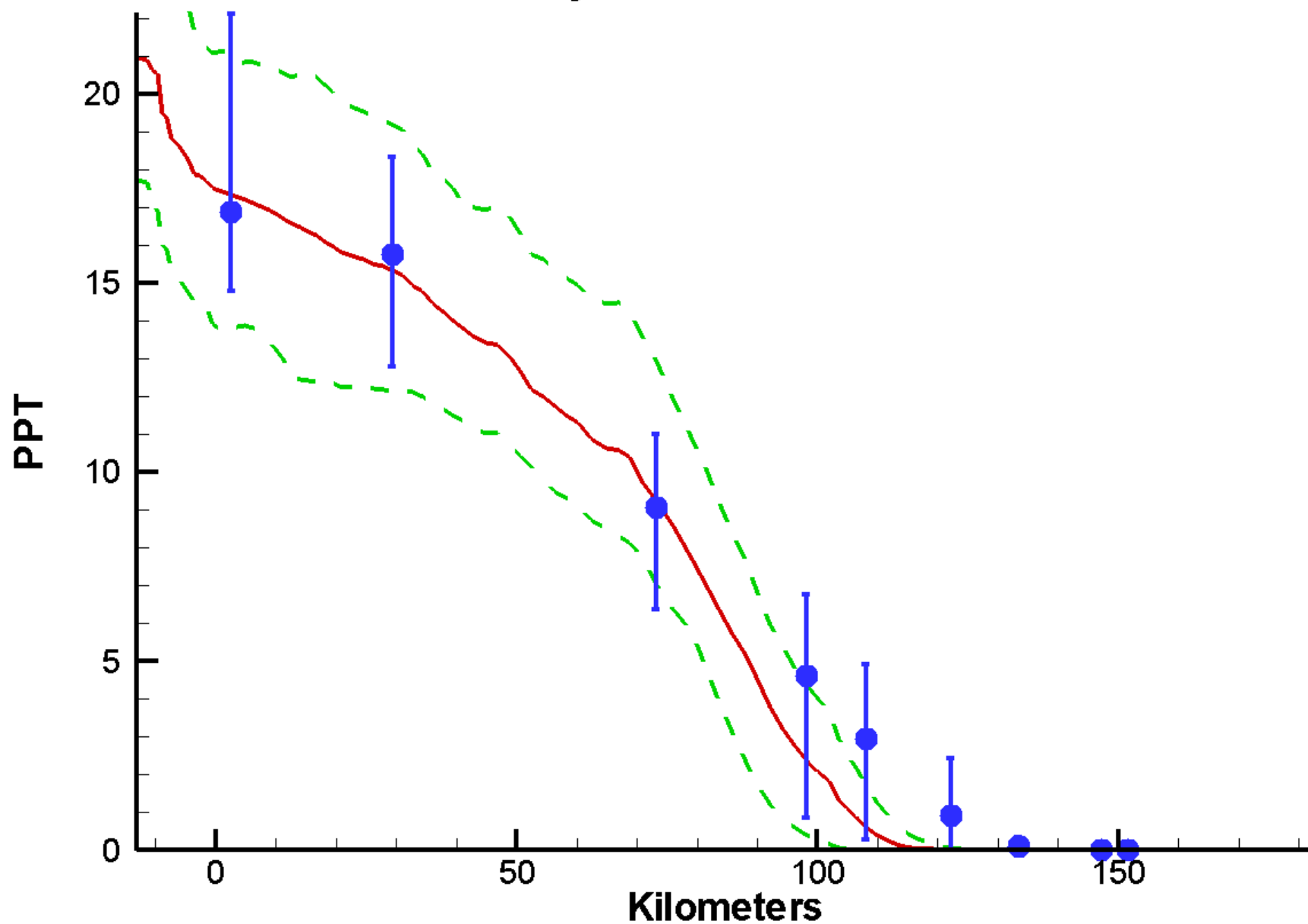
# Potomac River 2002-2011 Run59

## Surface Particulate Organic Carbon Summer 2007



# Potomac River 2002-2011 Run59

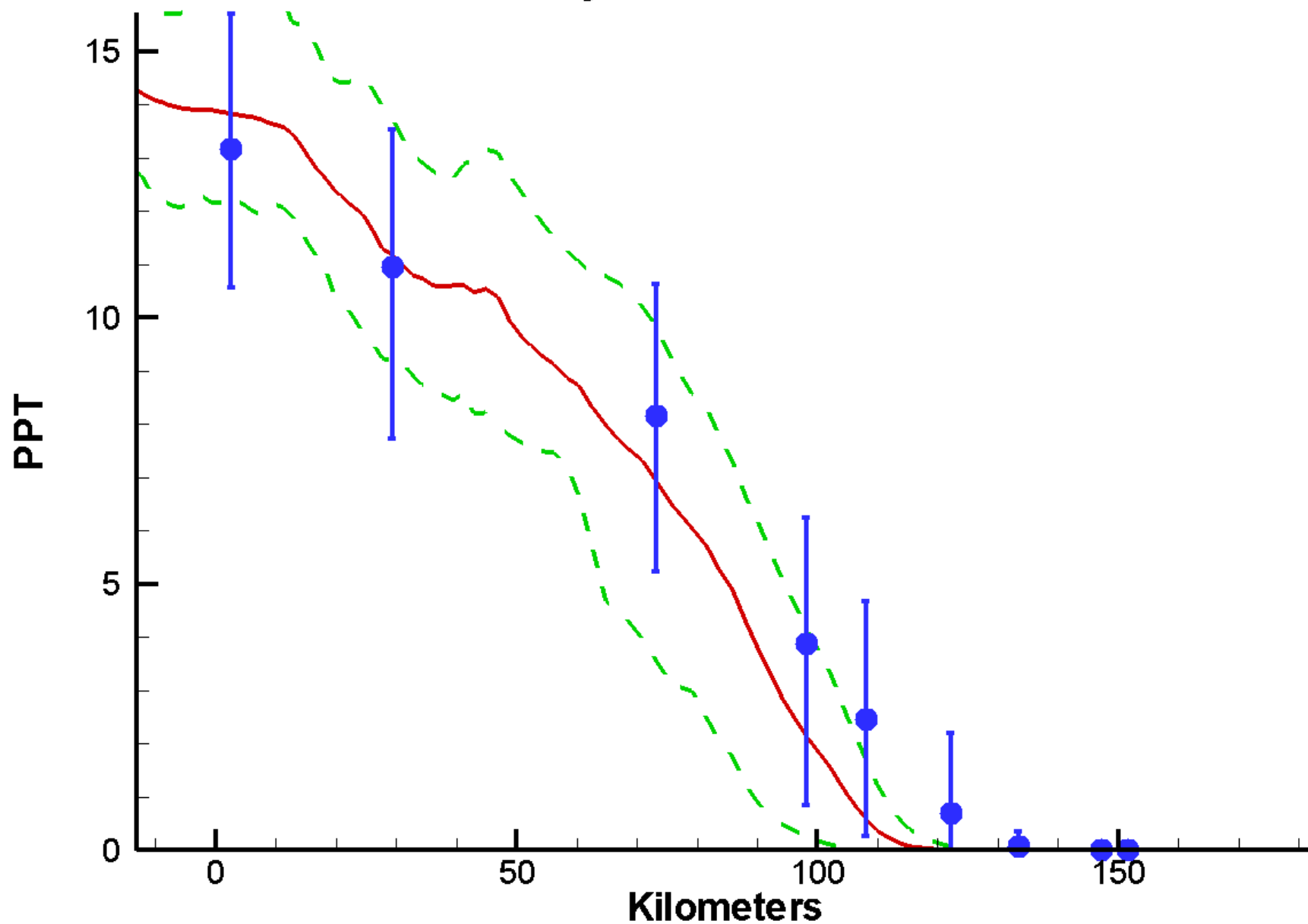
## Bottom Salinity Summer 2007





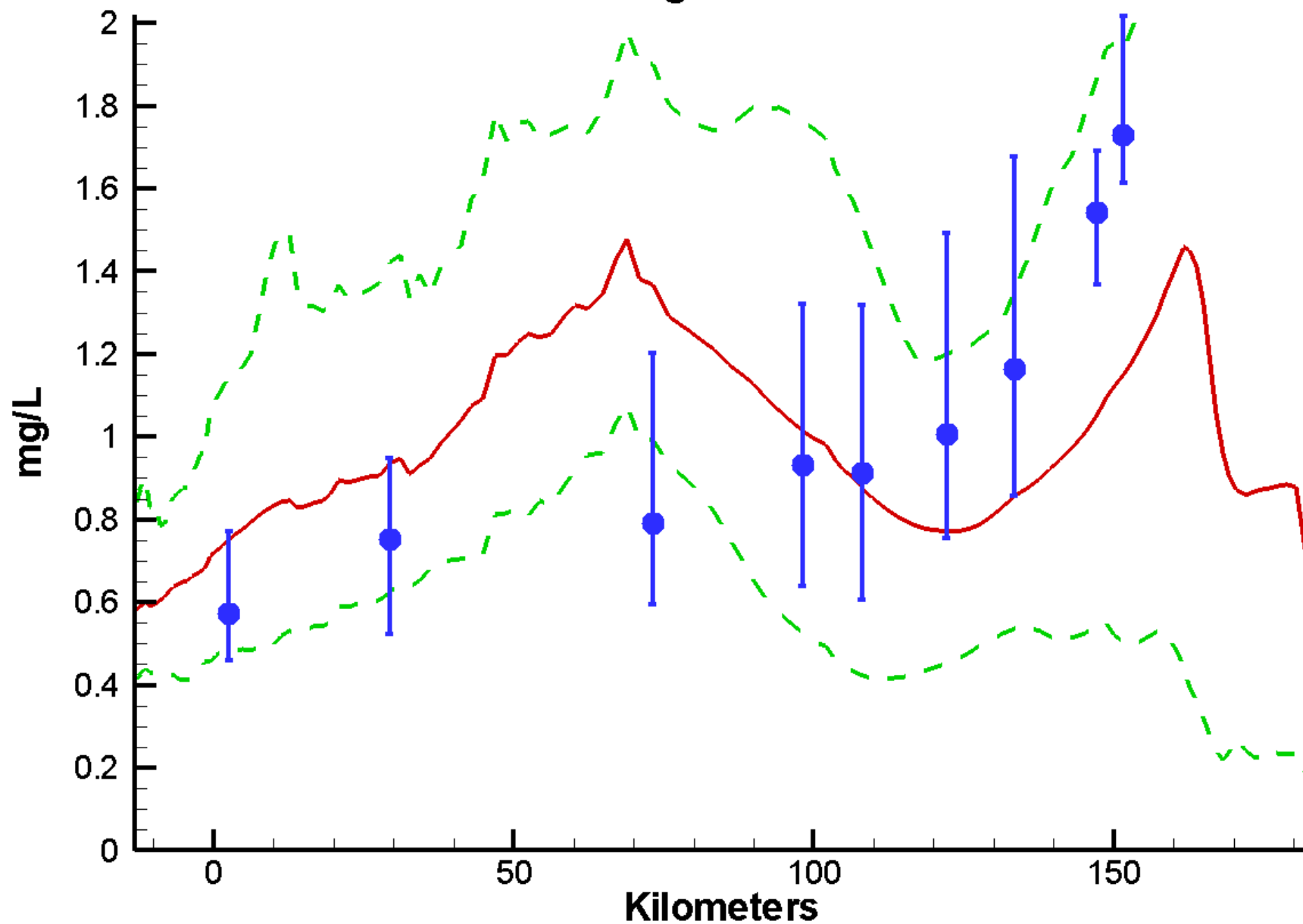
# Potomac River 2002-2011 Run59

## Surface Salinity Summer 2007



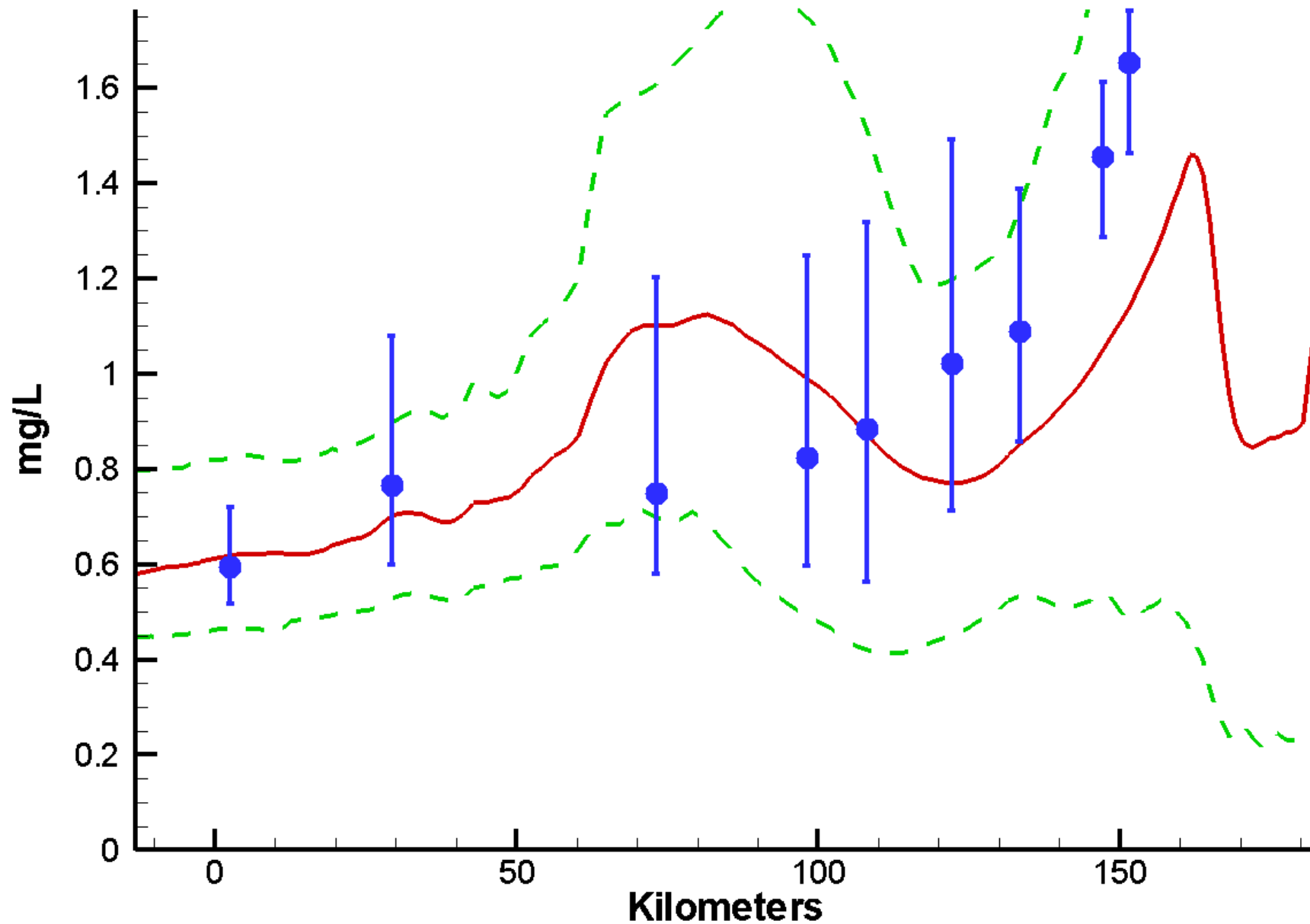
# Potomac River 2002-2011 Run59

## Bottom Total Nitrogen Summer 2007



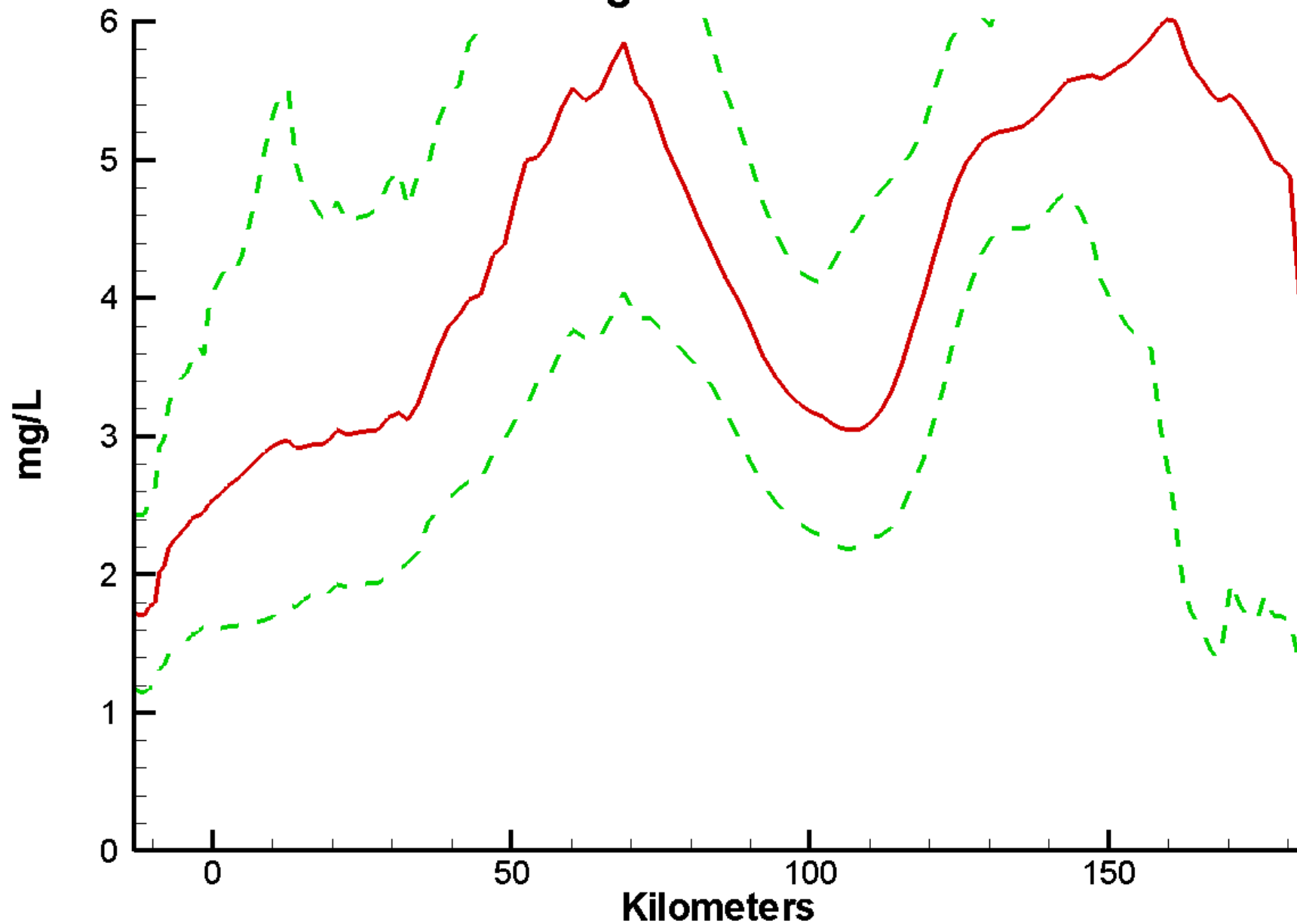
# Potomac River 2002-2011 Run59

## Surface Total Nitrogen Summer 2007



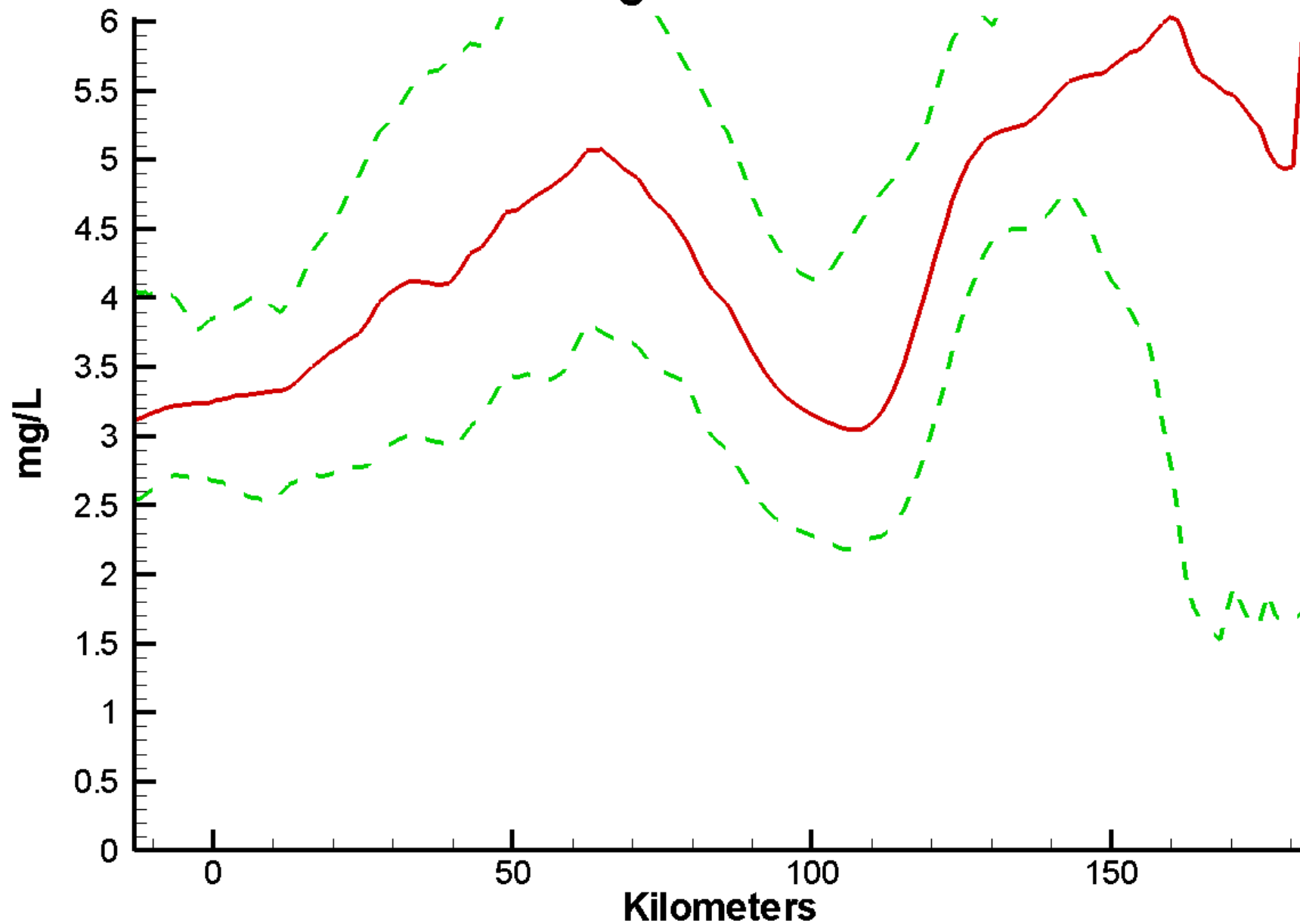
# Potomac River 2002-2011 Run59

## Bottom Total Organic Carbon Summer 2007



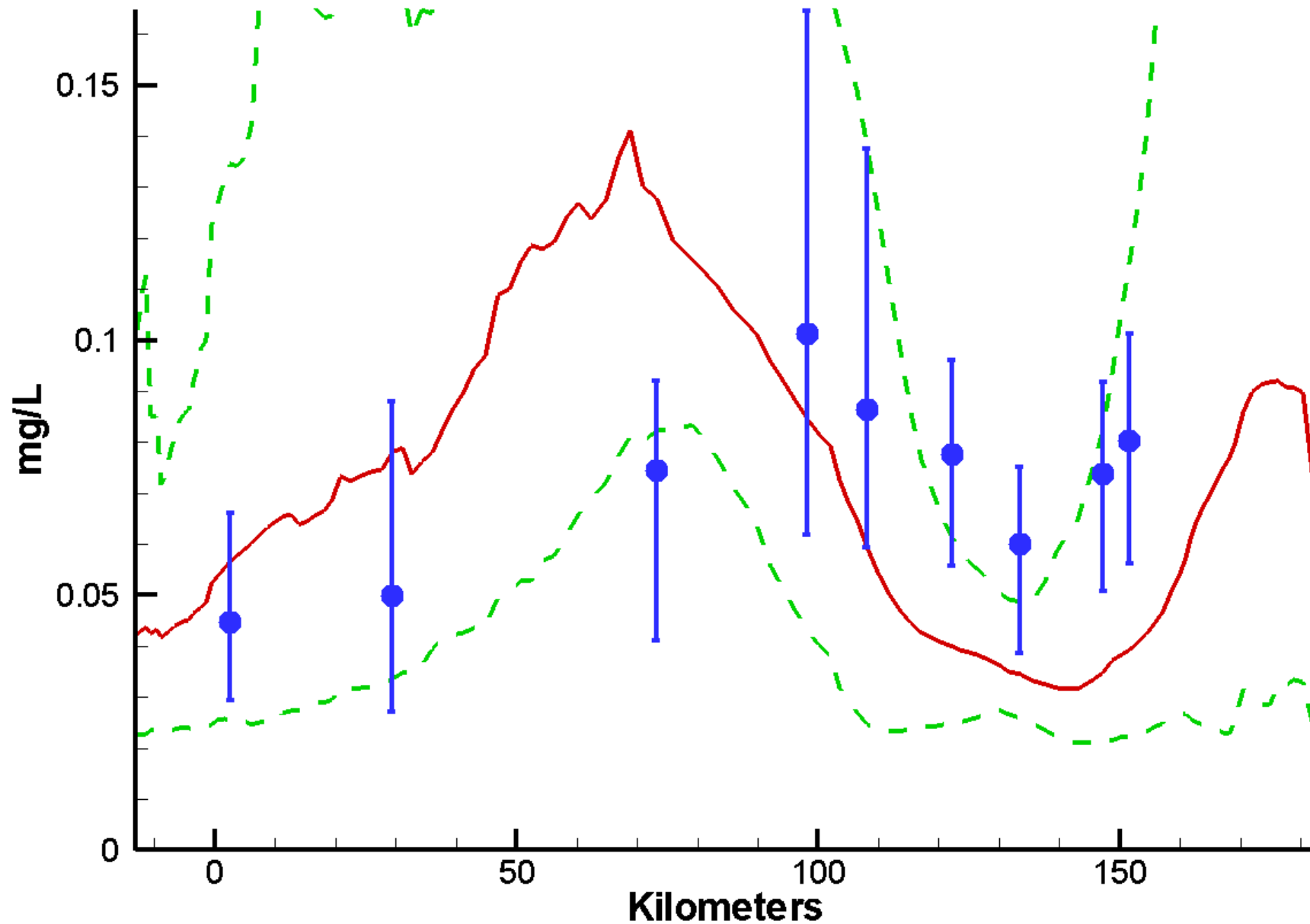
# Potomac River 2002-2011 Run59

## Surface Total Organic Carbon Summer 2007



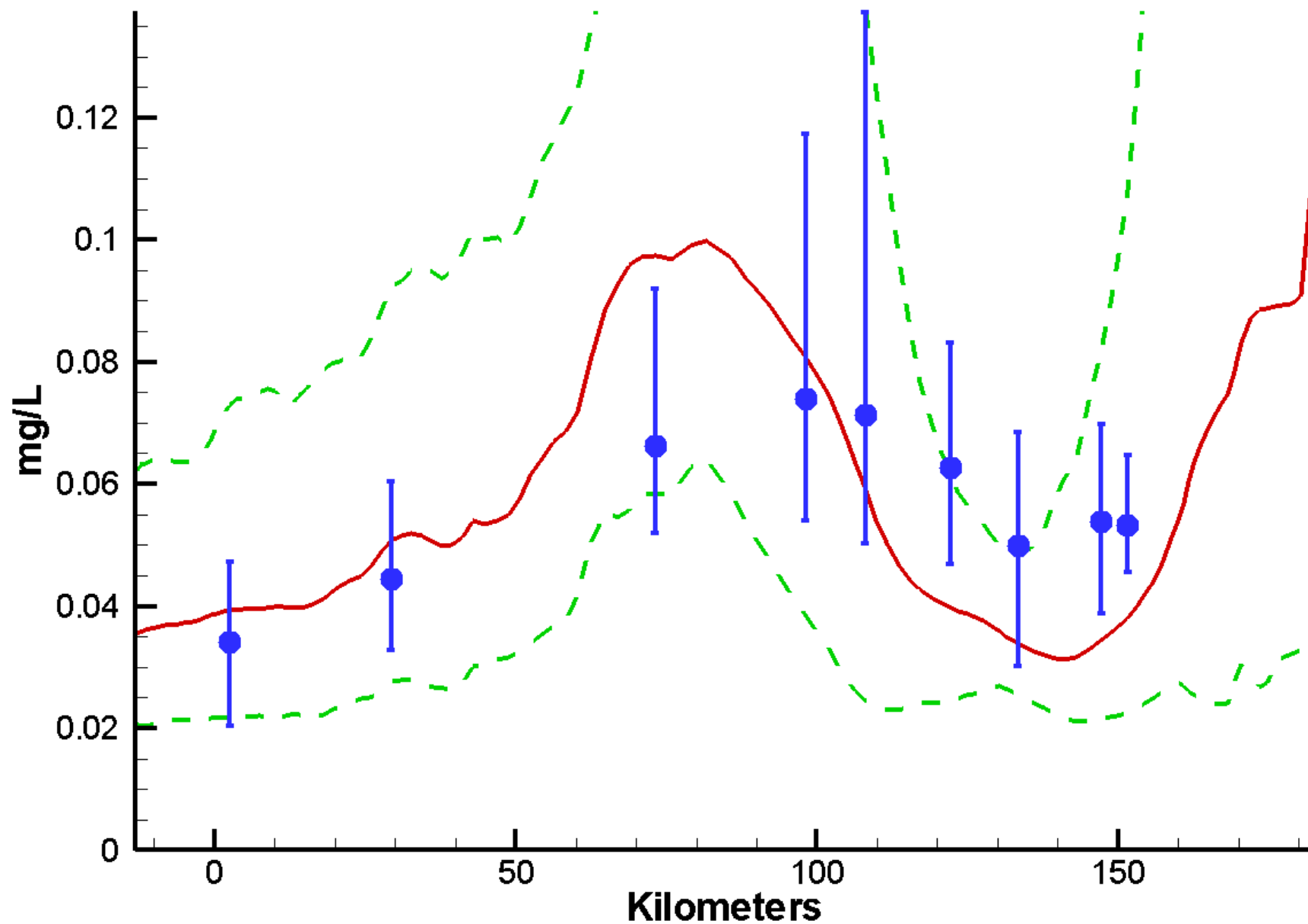
# Potomac River 2002-2011 Run59

## Bottom Total Phosphorus Summer 2007



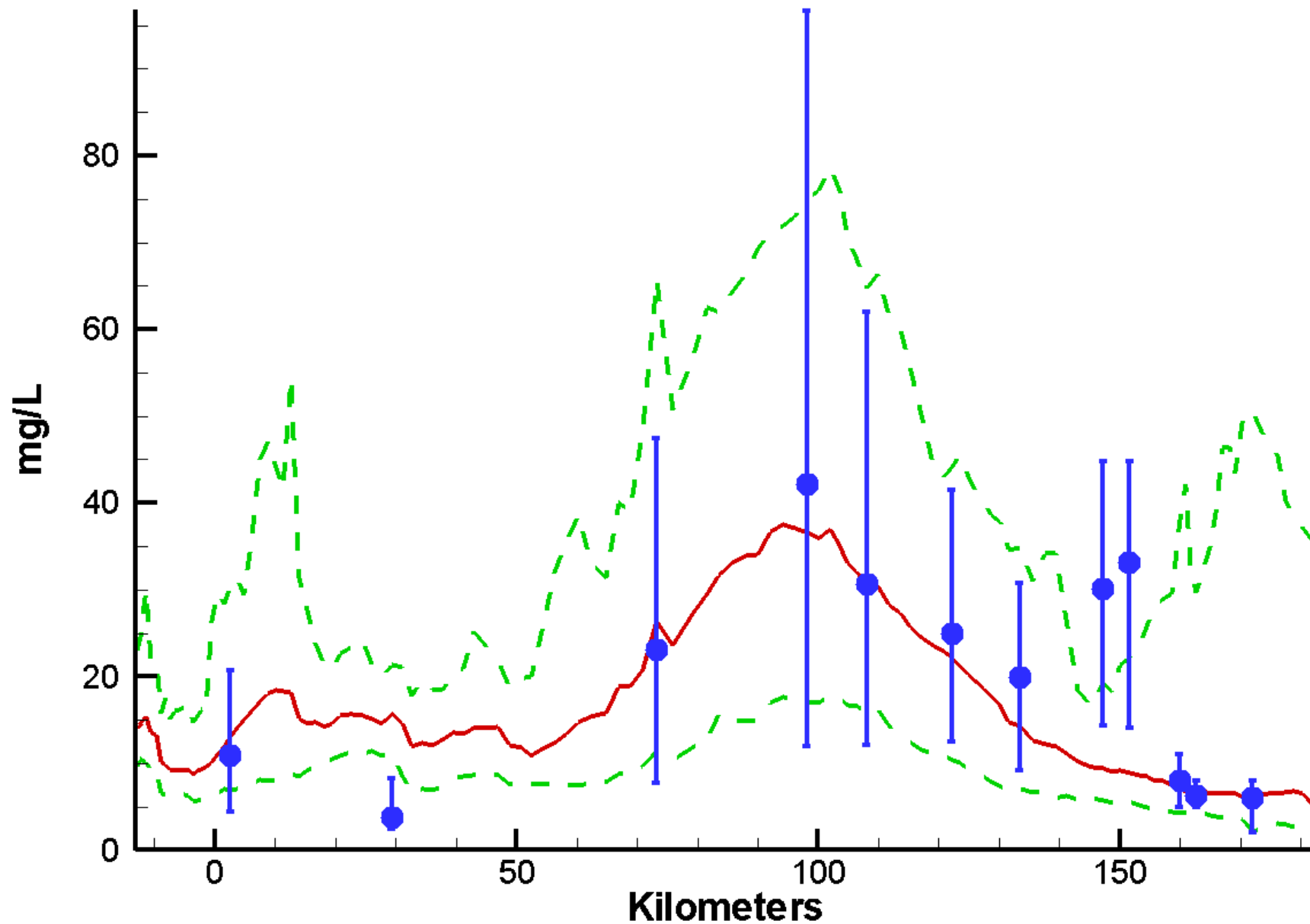
# Potomac River 2002-2011 Run59

## Surface Total Phosphorus Summer 2007



# Potomac River 2002-2011 Run59

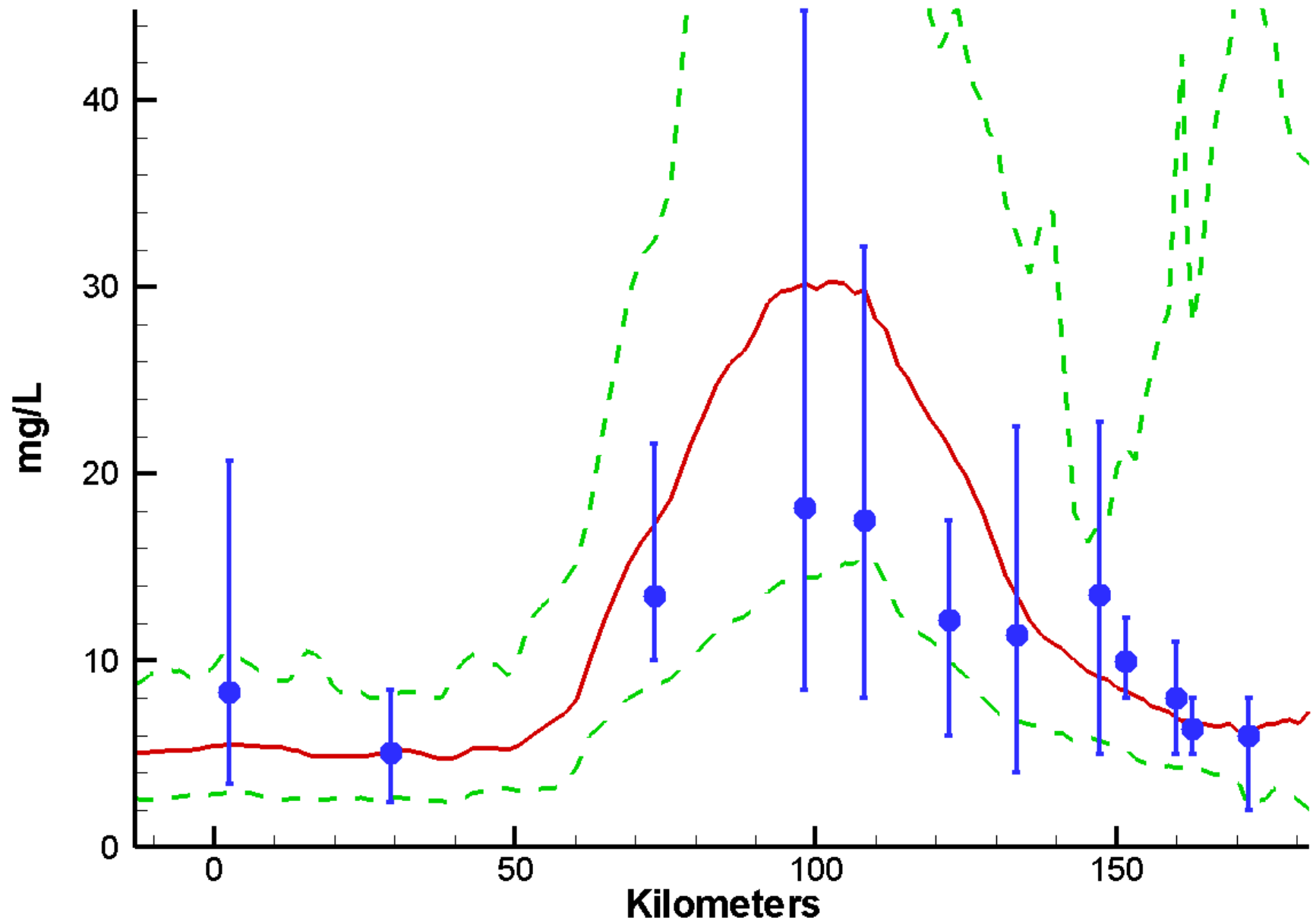
## Bottom Total Suspended Solids Summer 2007





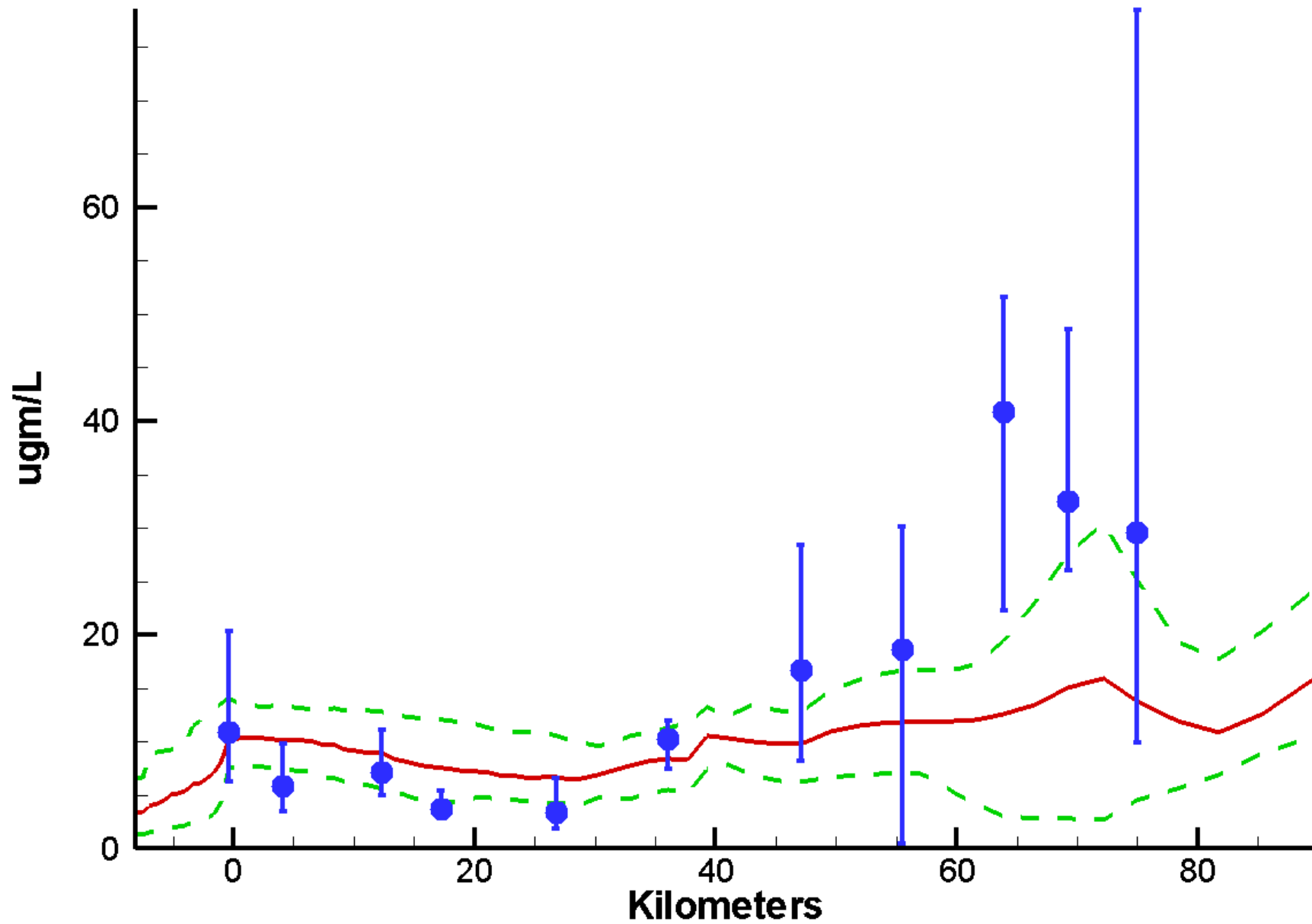
# Potomac River 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007

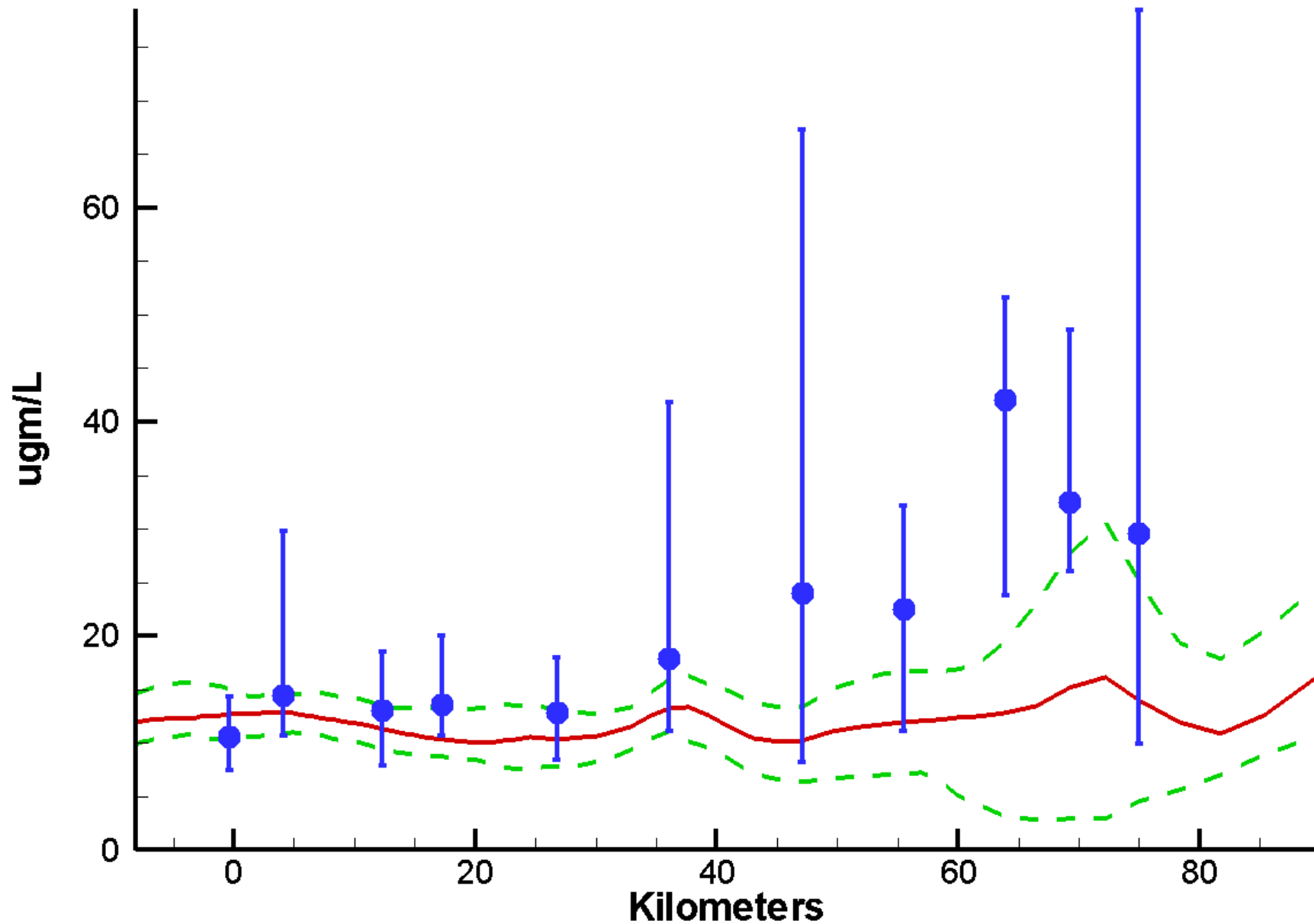


# Patuxent River 2002-2011 Run59

## Bottom Chlorophyll Summer 2007

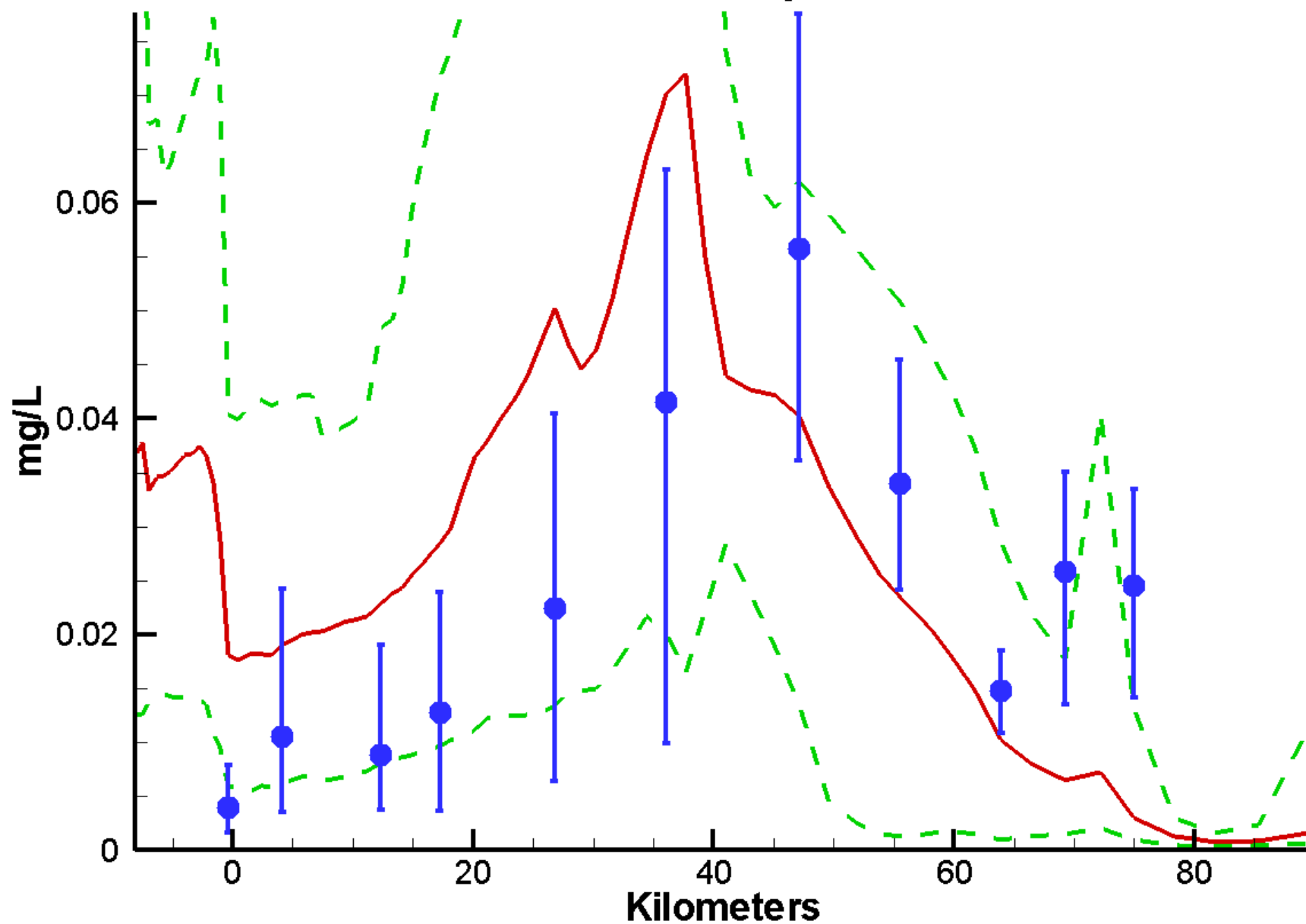


# Patuxent River 2002-2011 Run59 Surface Chlorophyll Summer 2007



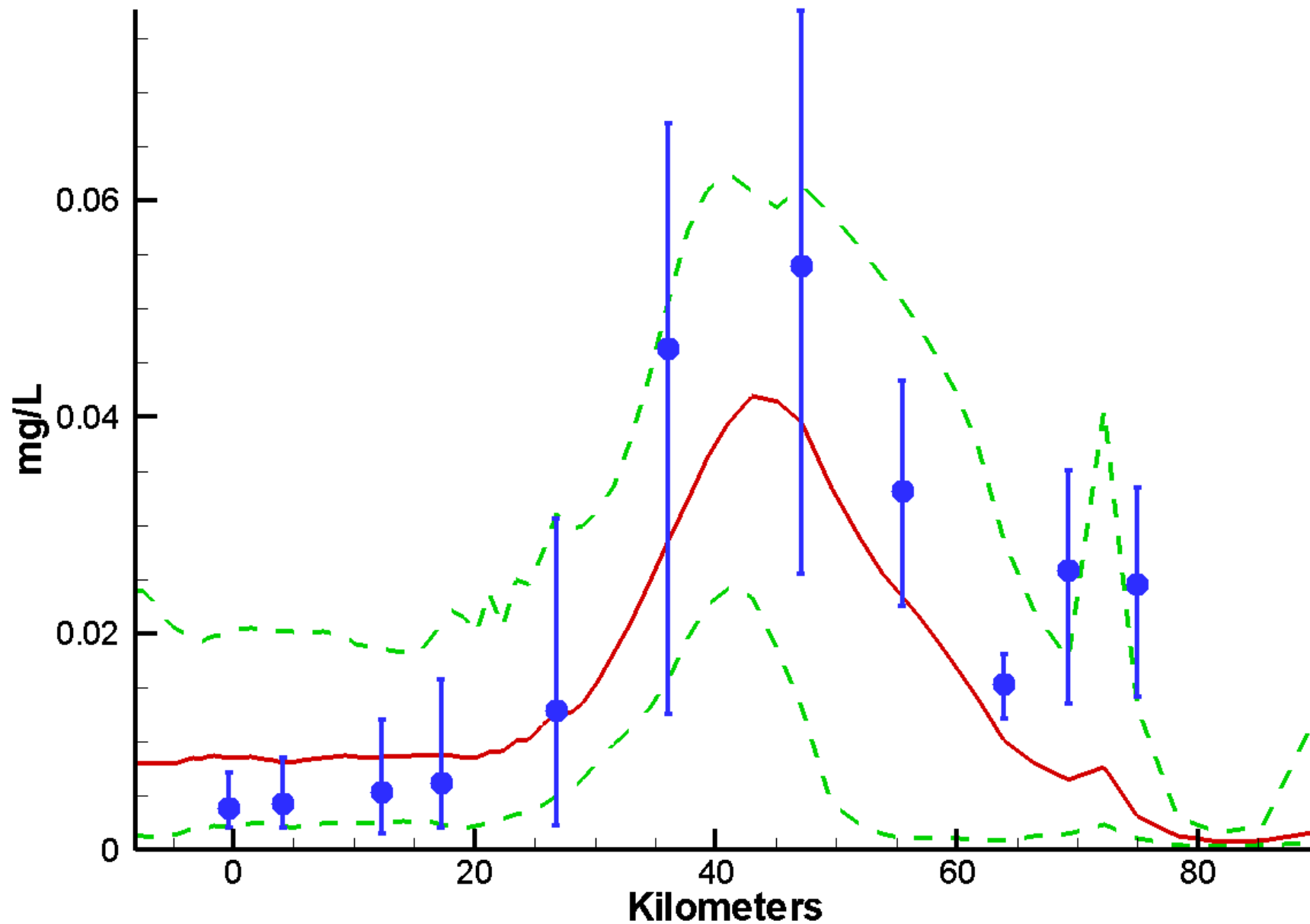
# Patuxent River 2002-2011 Run59

## Bottom Dissolved Phosphate Summer 2007



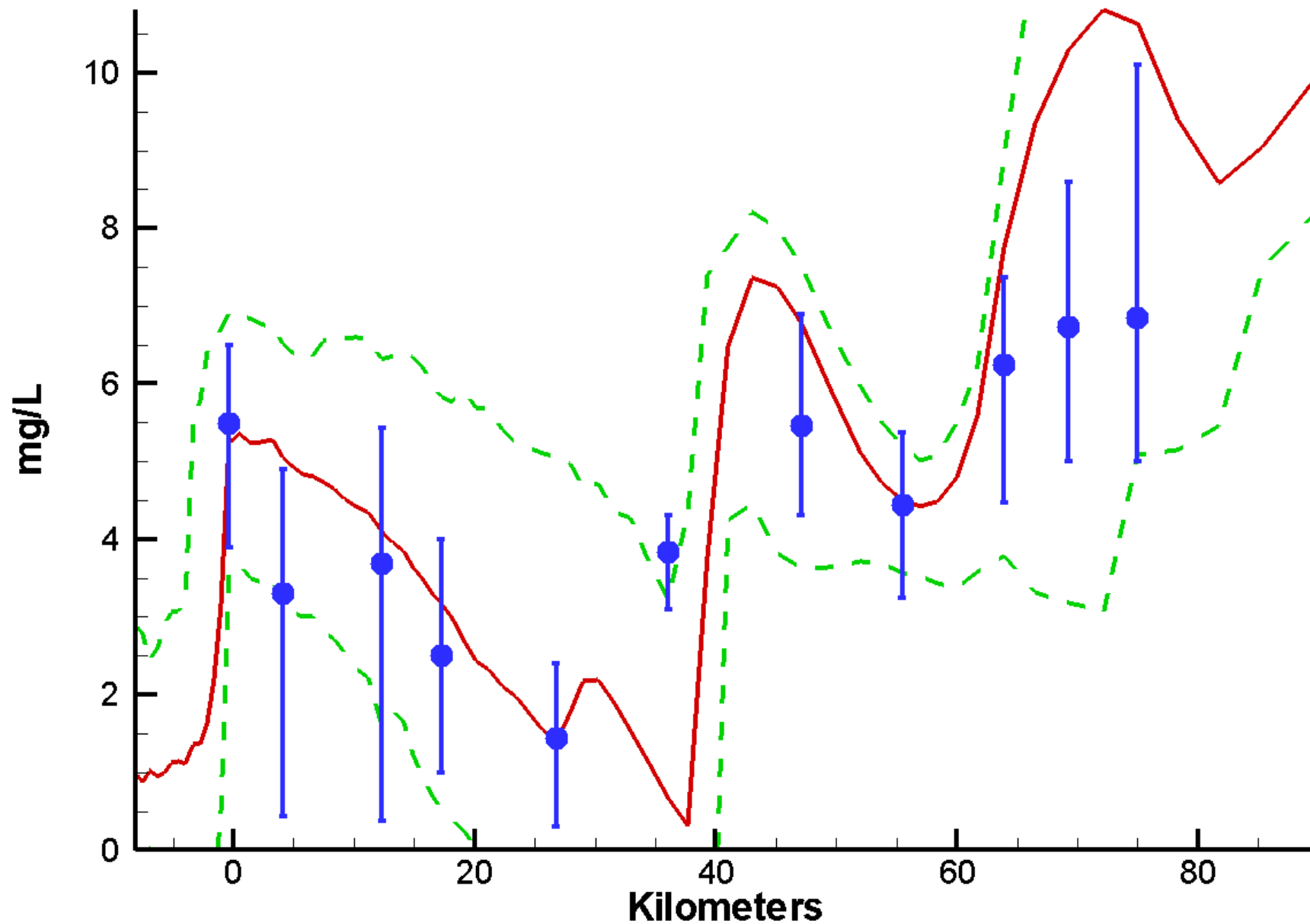
# Patuxent River 2002-2011 Run59

## Surface Dissolved Phosphate Summer 2007



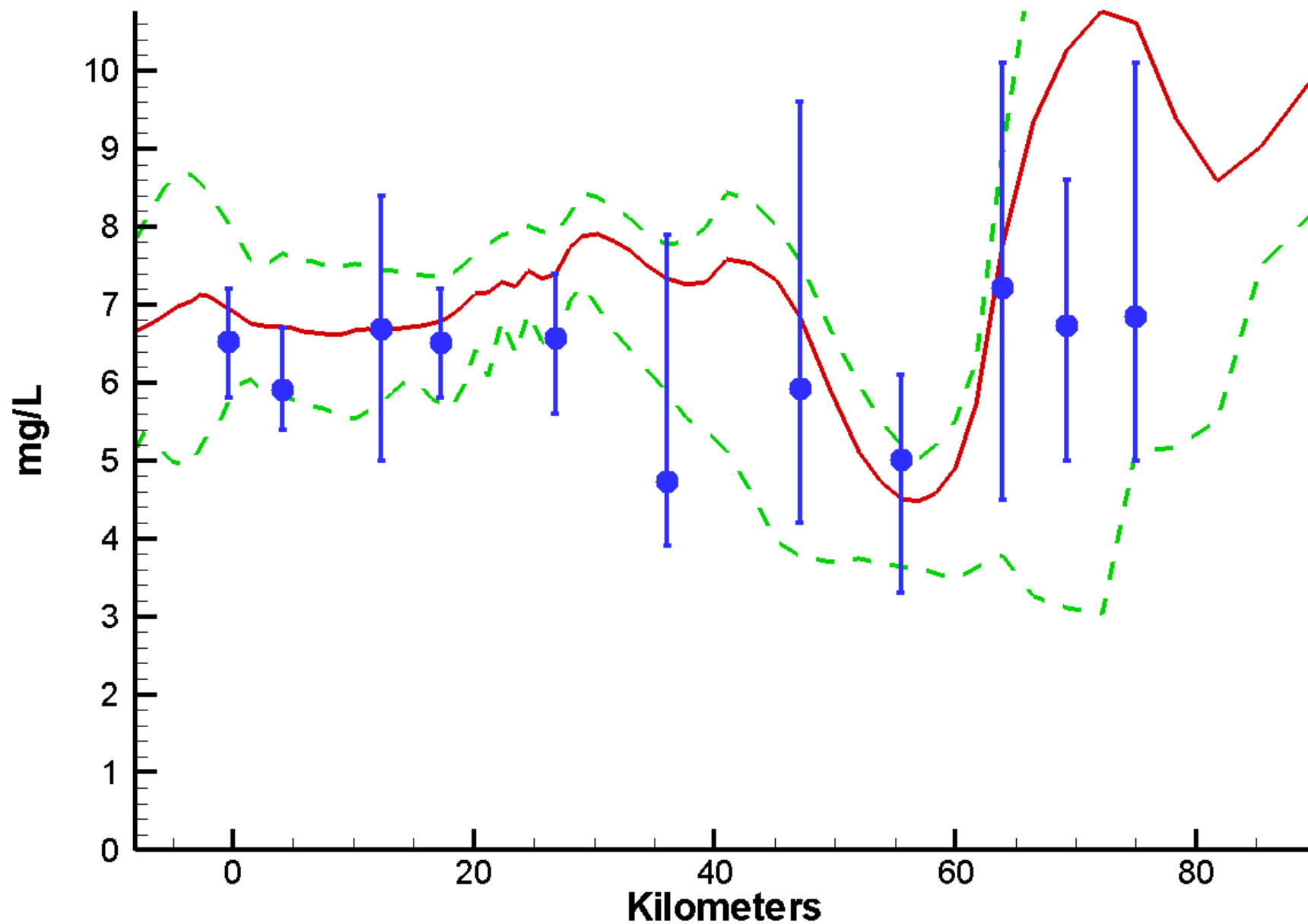
# Patuxent River 2002-2011 Run59

## Bottom Dissolved Oxygen Summer 2007

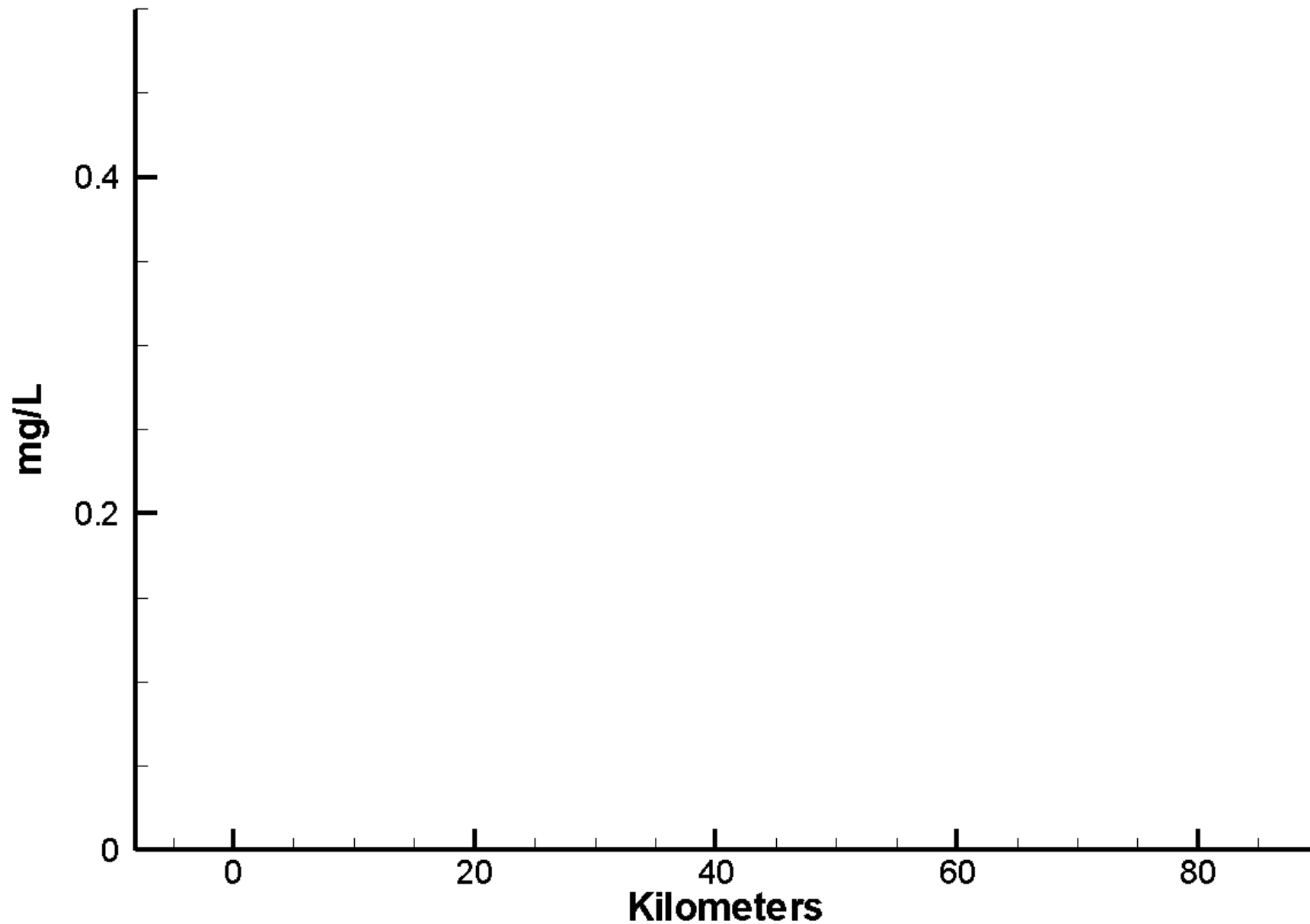


# Patuxent River 2002-2011 Run59

## Surface Dissolved Oxygen Summer 2007

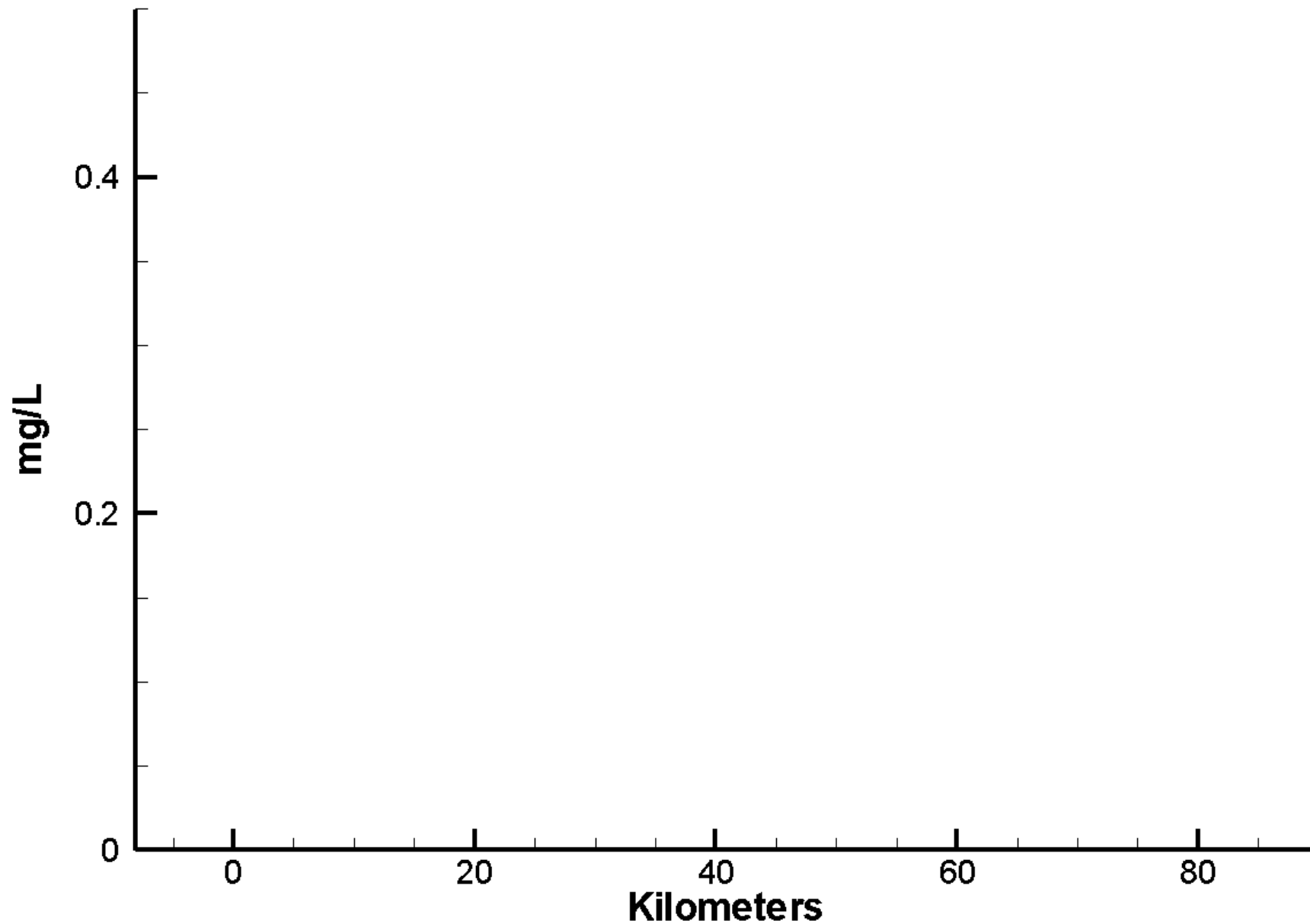


**Patuxent River 2002-2011 Run59**  
**Bottom Dissolved Silica Summer 2007**



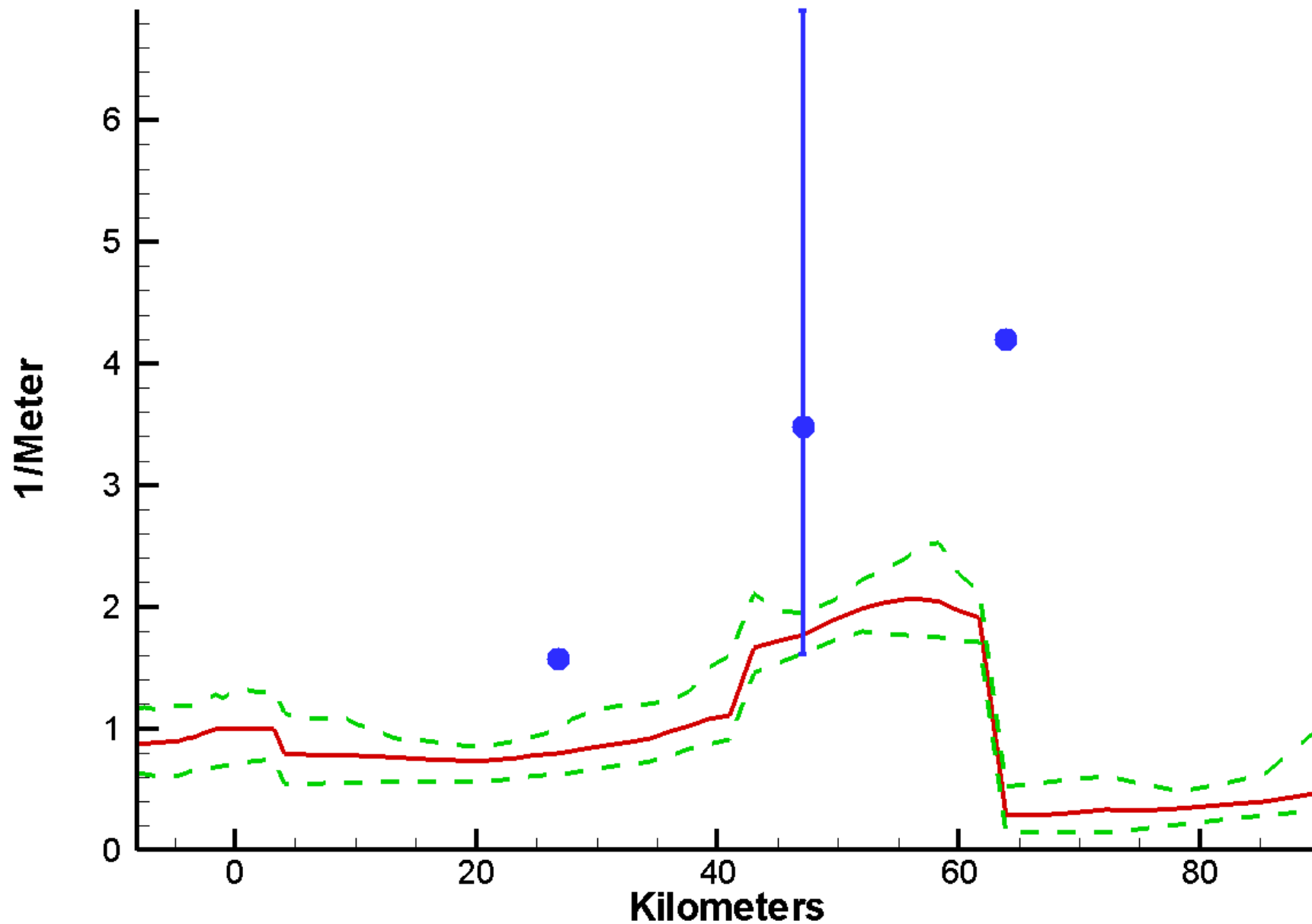


**Patuxent River 2002-2011 Run59**  
**Surface Dissolved Silica Summer 2007**



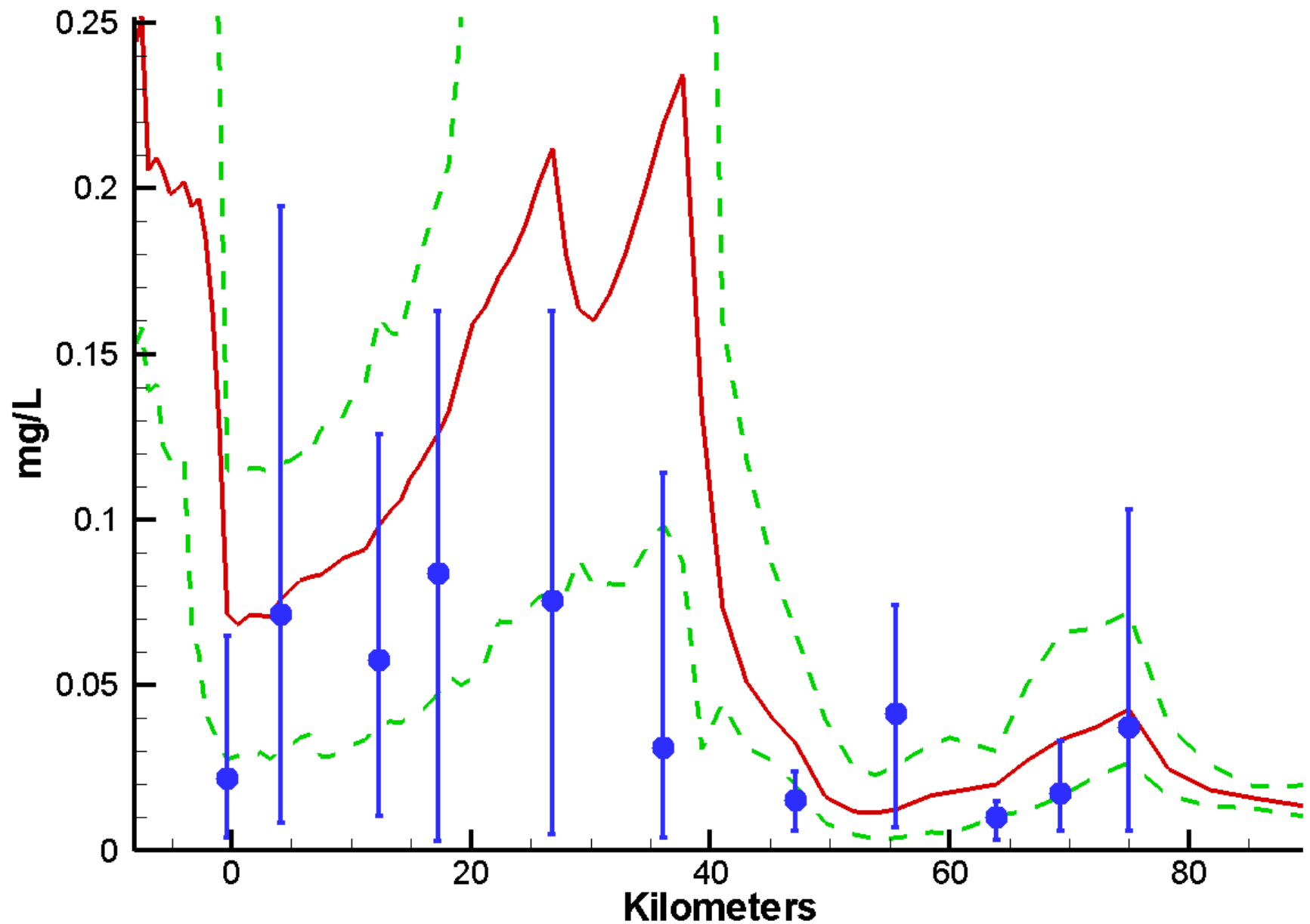
# Patuxent River 2002-2011 Run59

## Surface Light Extinction Summer 2007

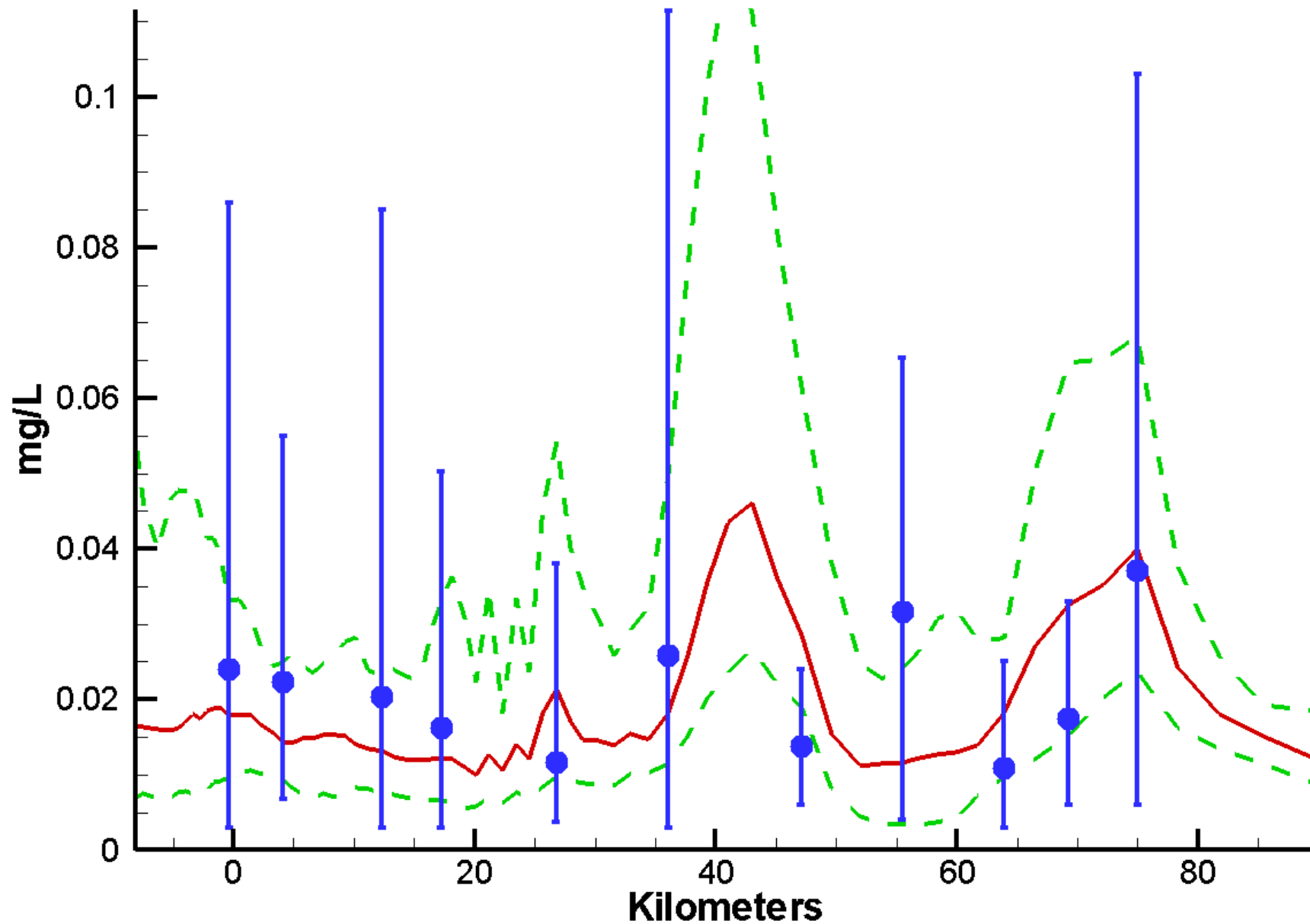


# Patuxent River 2002-2011 Run59

## Bottom Ammonium Summer 2007

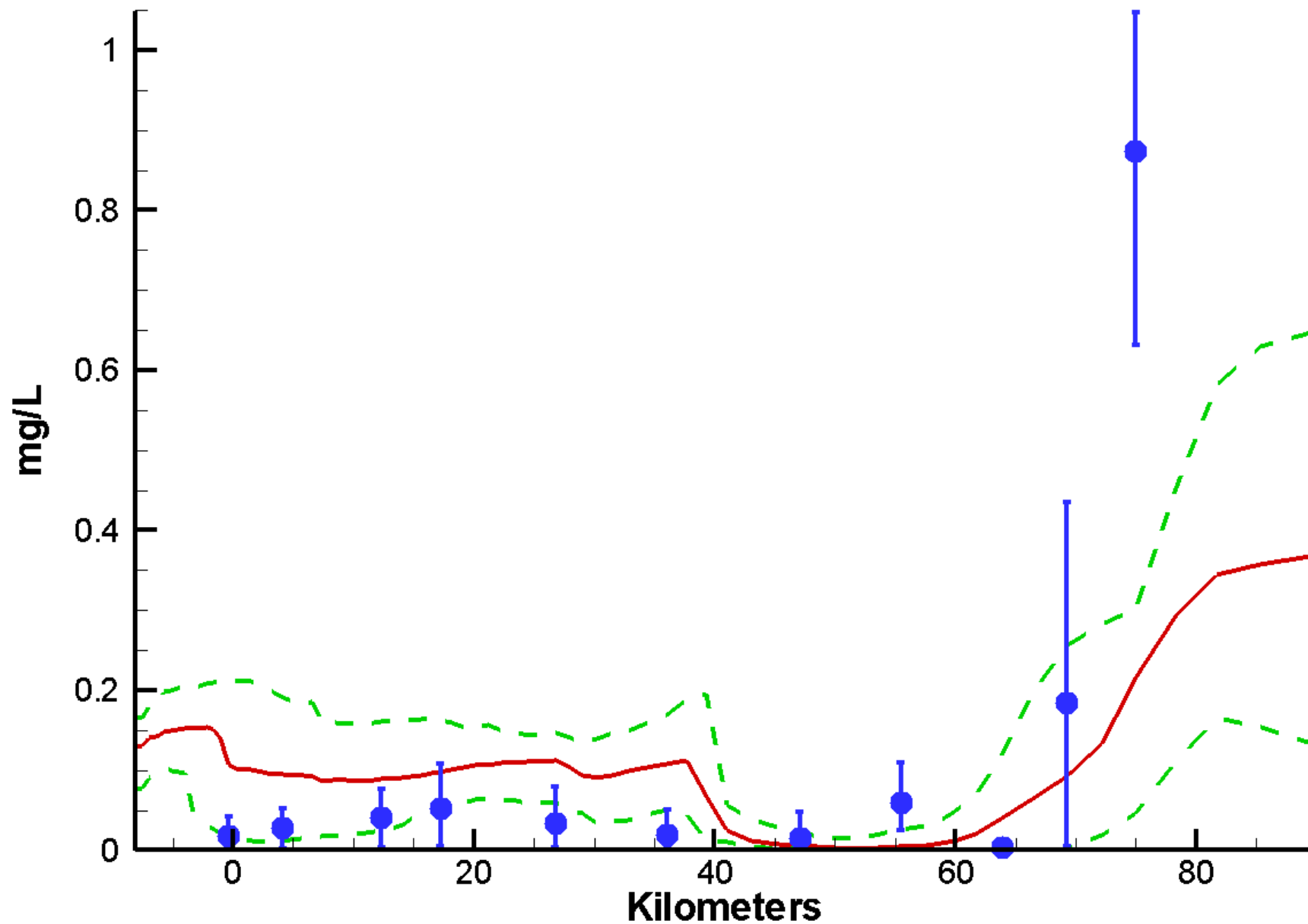


# Patuxent River 2002-2011 Run59 Surface Ammonium Summer 2007



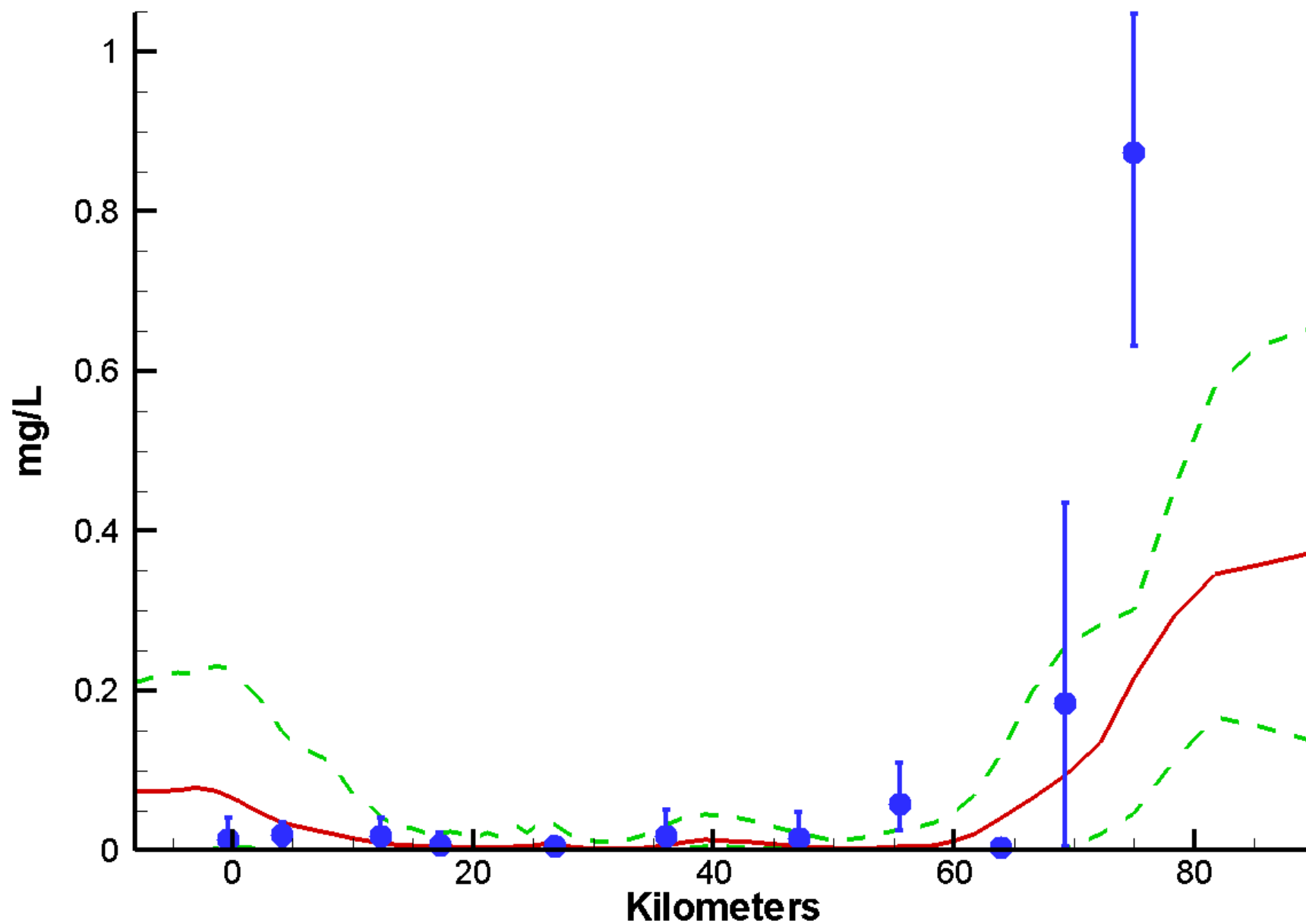
# Patuxent River 2002-2011 Run59

## Bottom Nitrate Summer 2007



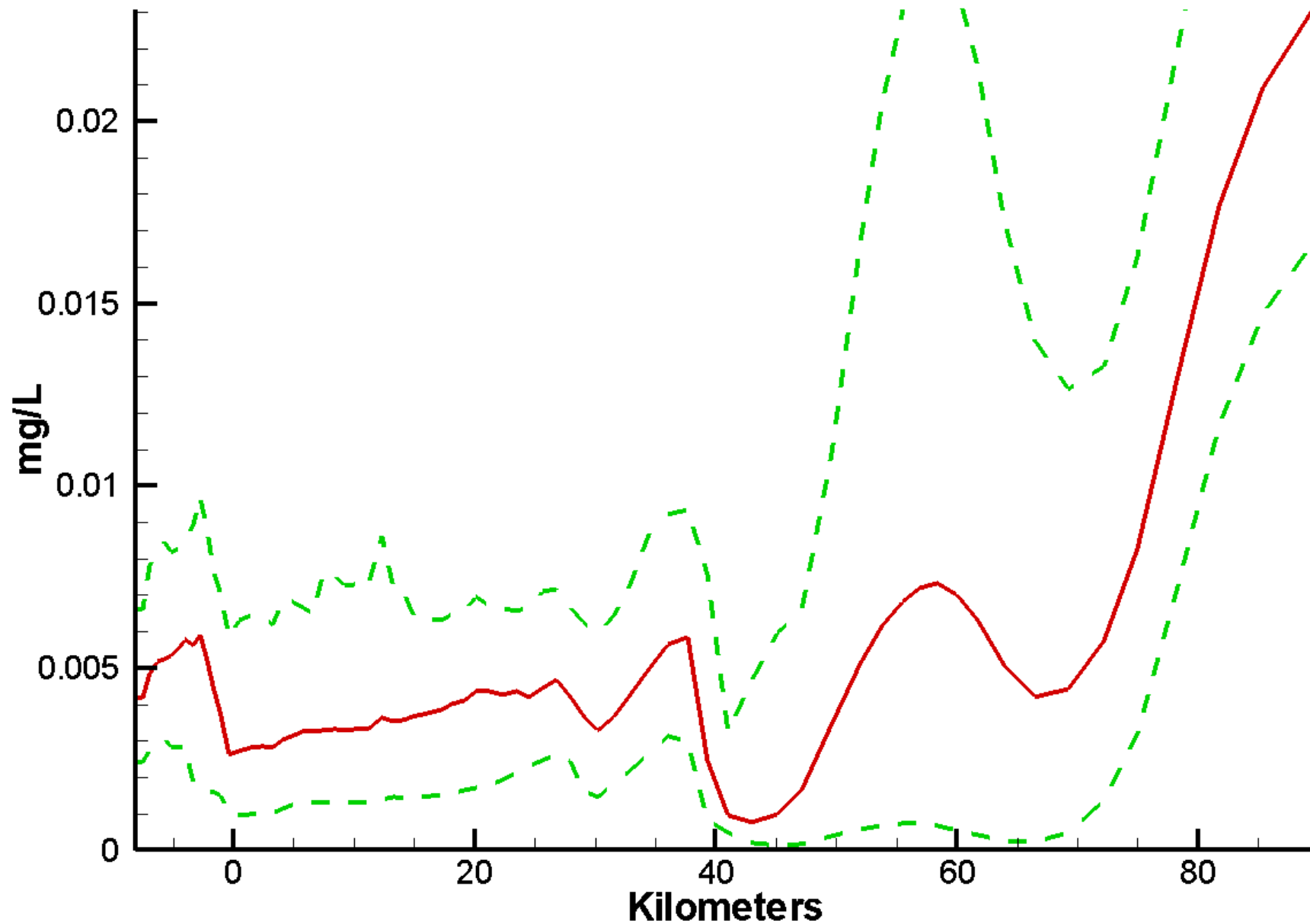
# Patuxent River 2002-2011 Run59

## Surface Nitrate Summer 2007



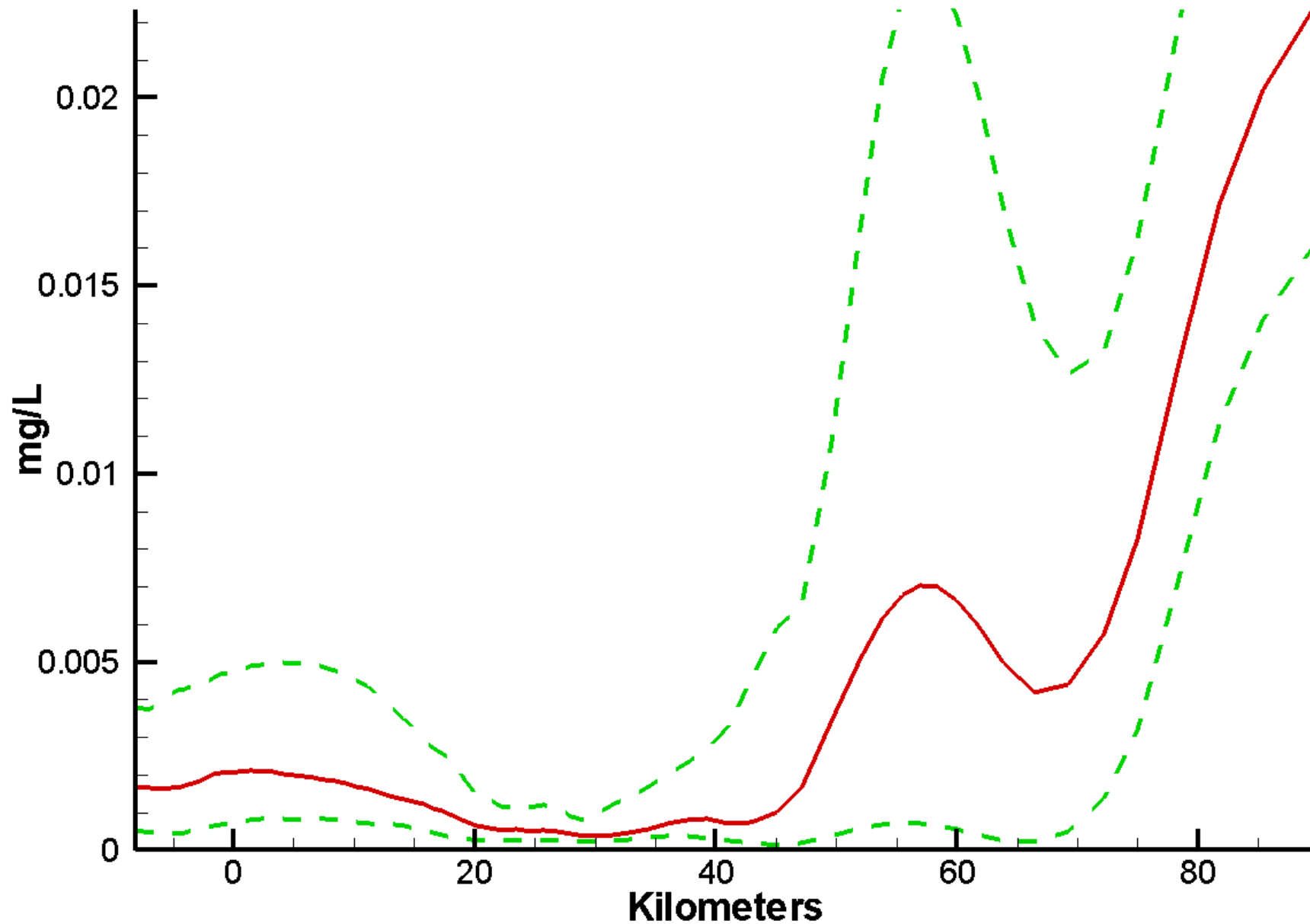
# Patuxent River 2002-2011 Run59

## Bottom Particulate Inorganic Phosphorus Summer 2000



# Patuxent River 2002-2011 Run59

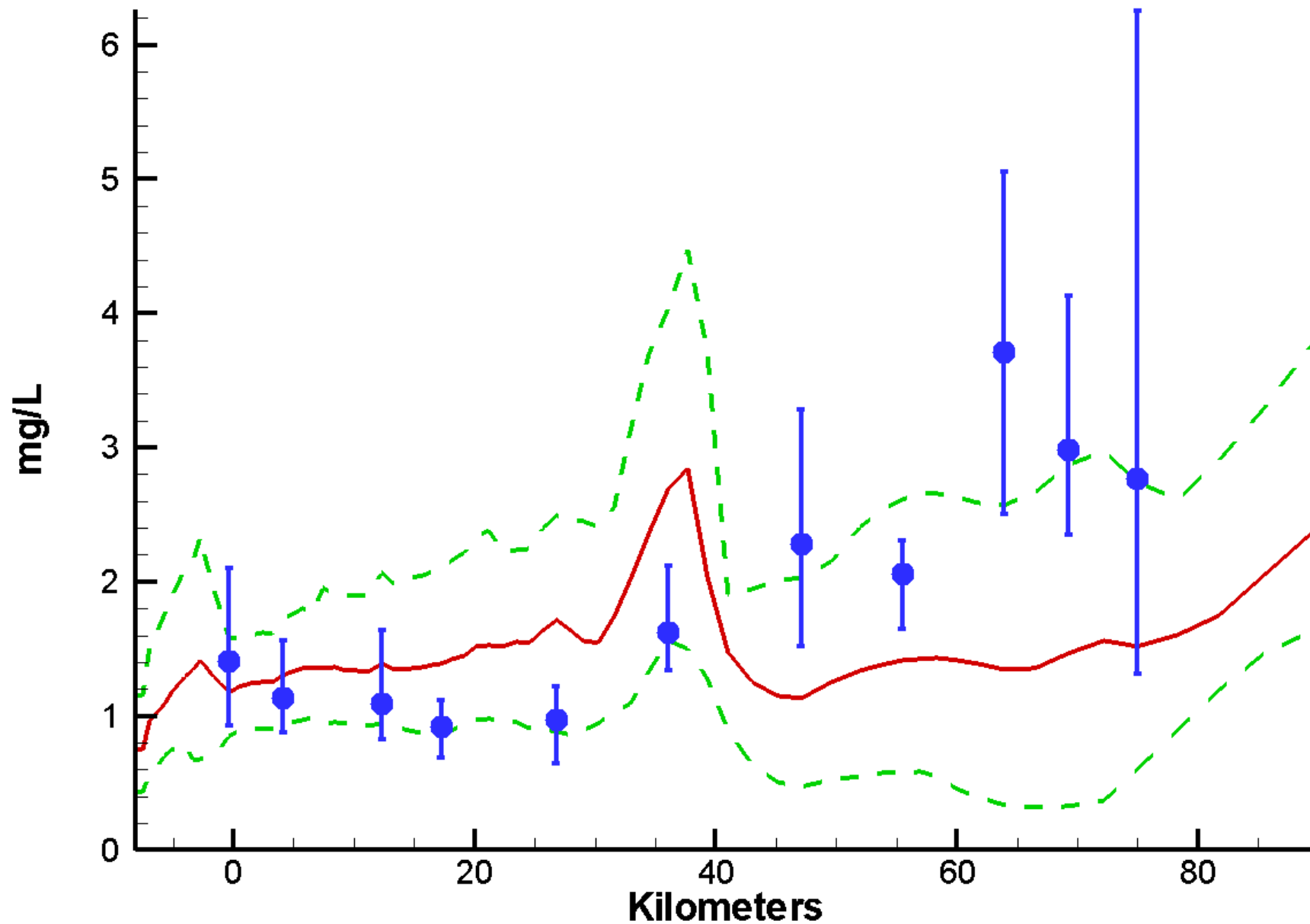
## Surface Particulate Inorganic Phosphorus Summer 2000





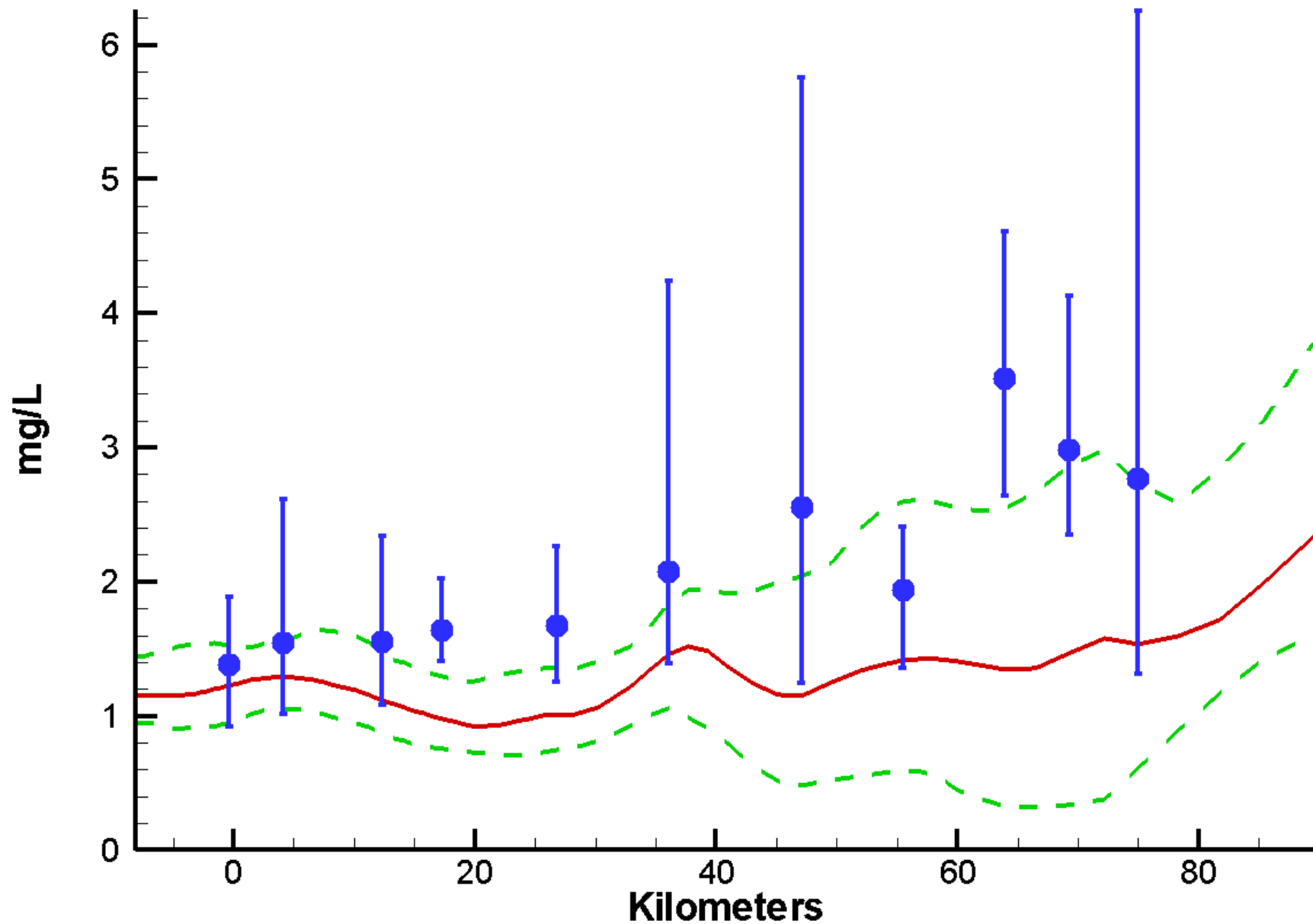
# Patuxent River 2002-2011 Run59

## Bottom Particulate Organic Carbon Summer 2007



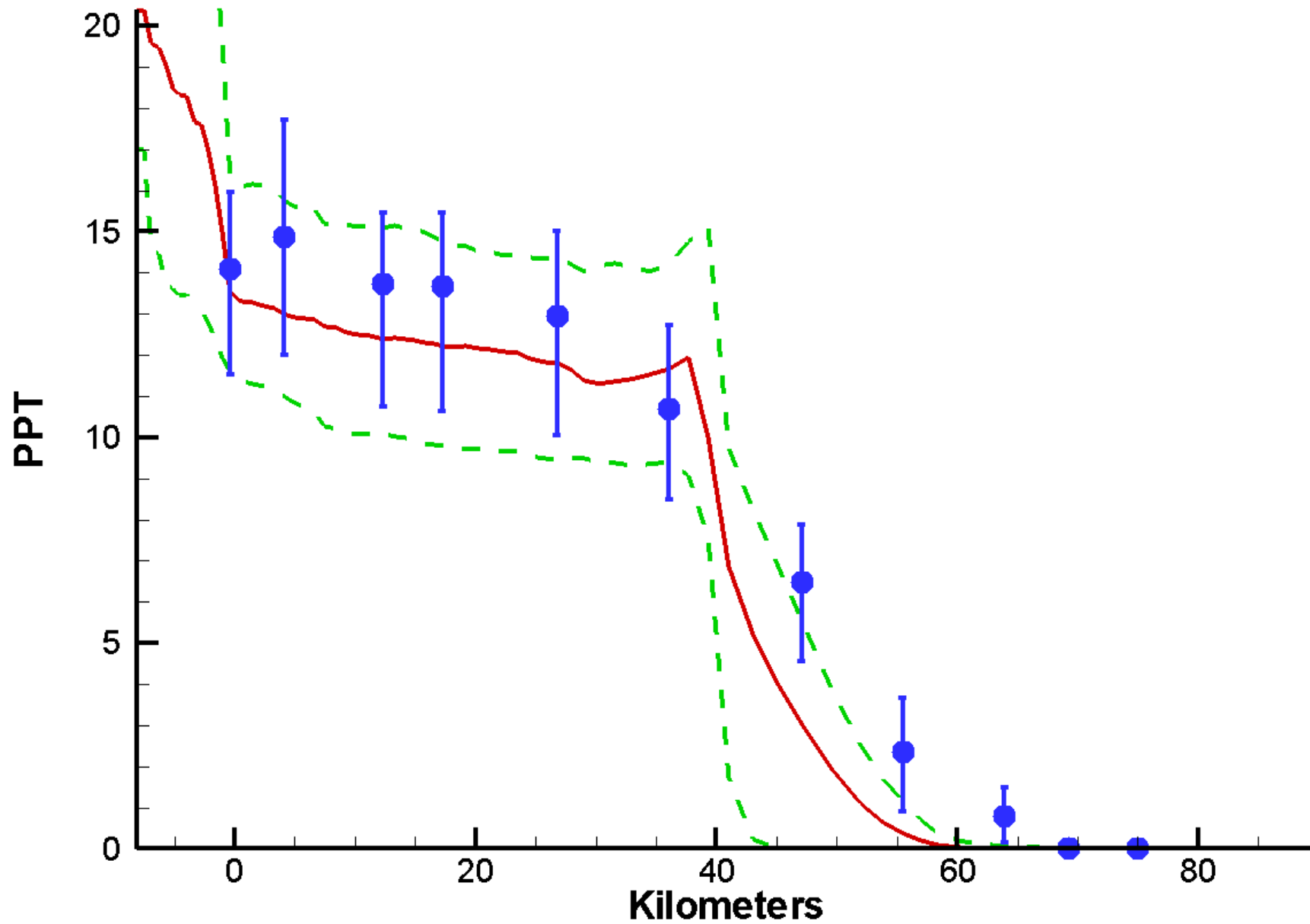
# Patuxent River 2002-2011 Run59

## Surface Particulate Organic Carbon Summer 2007



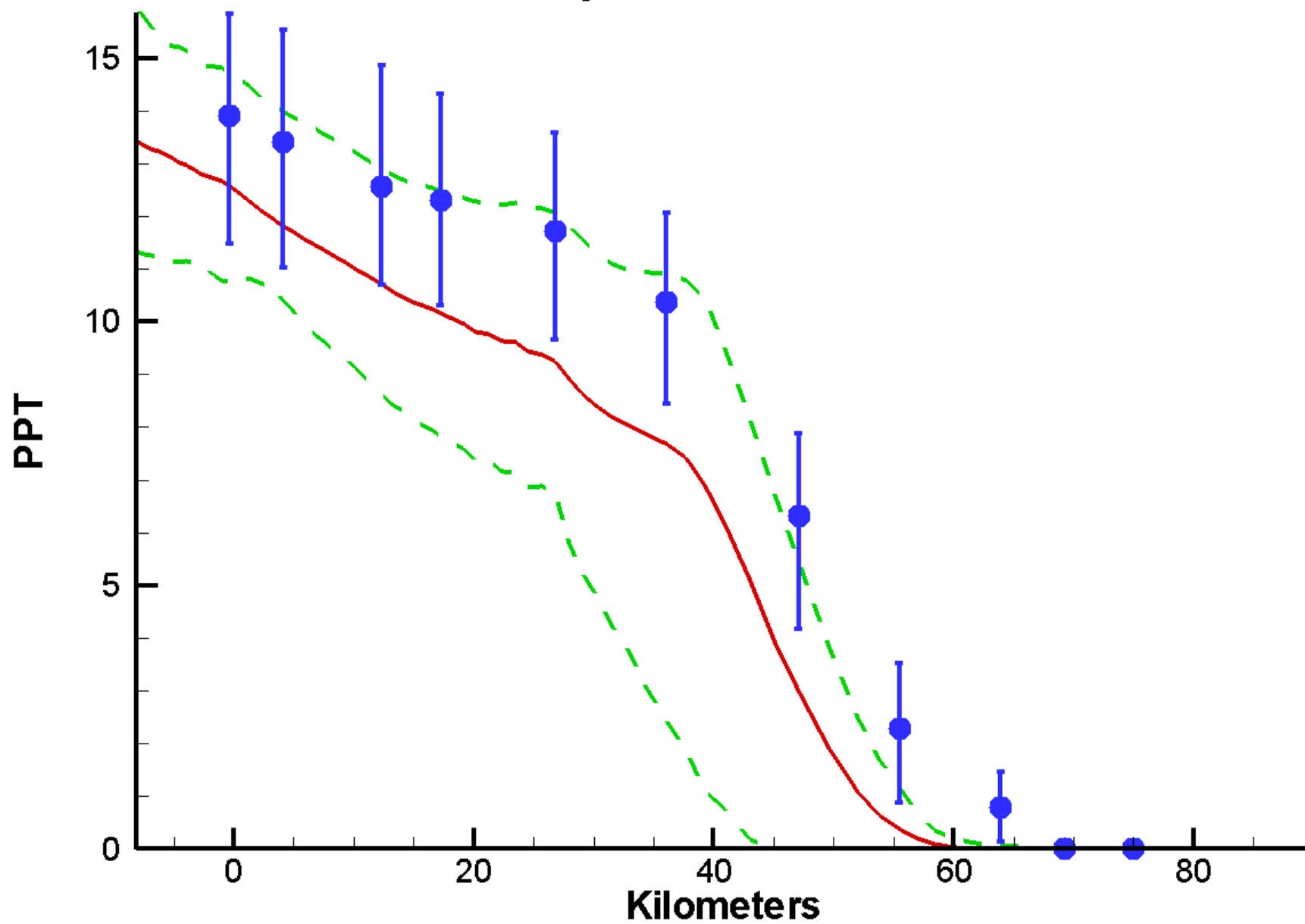
# Patuxent River 2002-2011 Run59

## Bottom Salinity Summer 2007



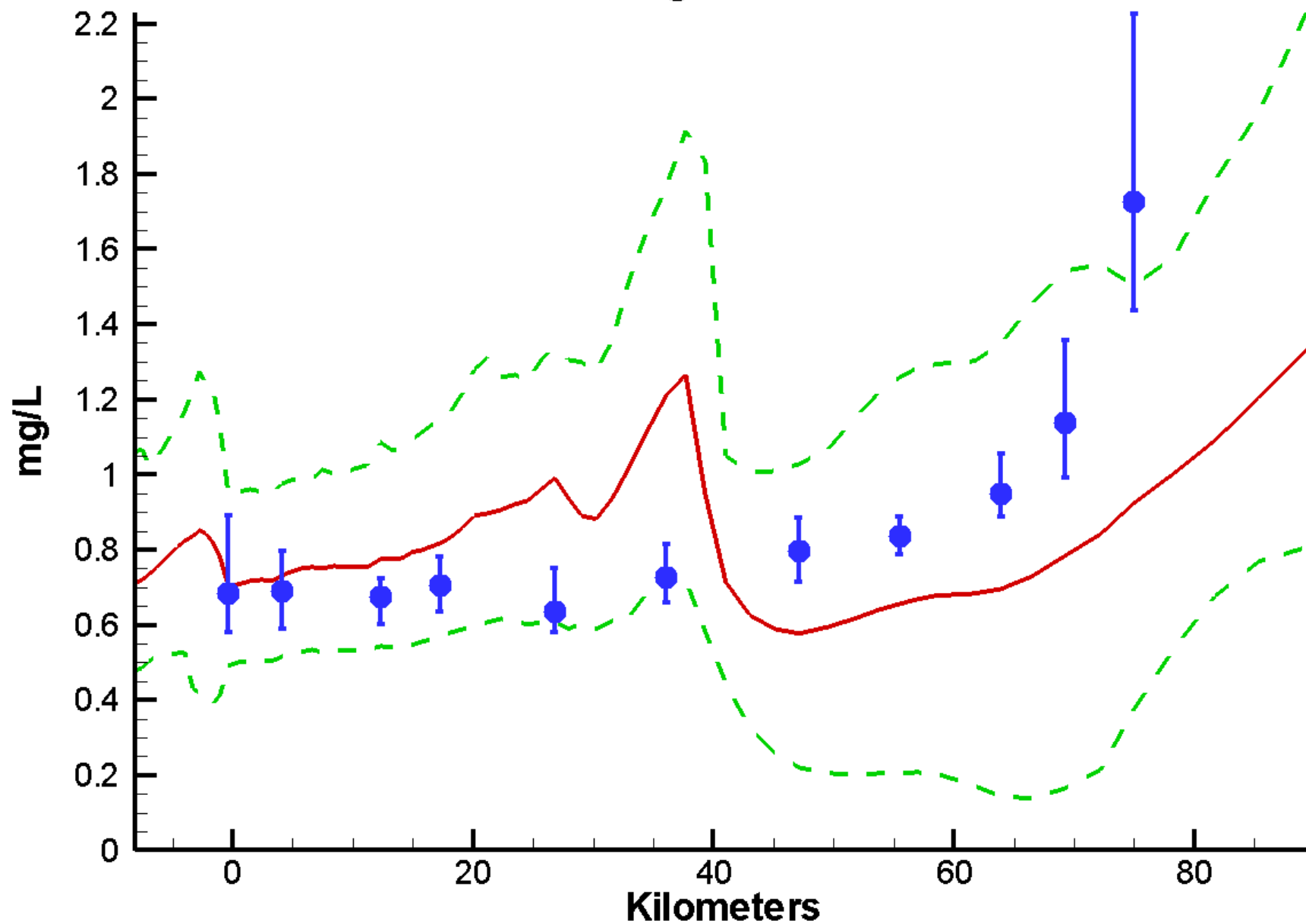
# Patuxent River 2002-2011 Run59

## Surface Salinity Summer 2007



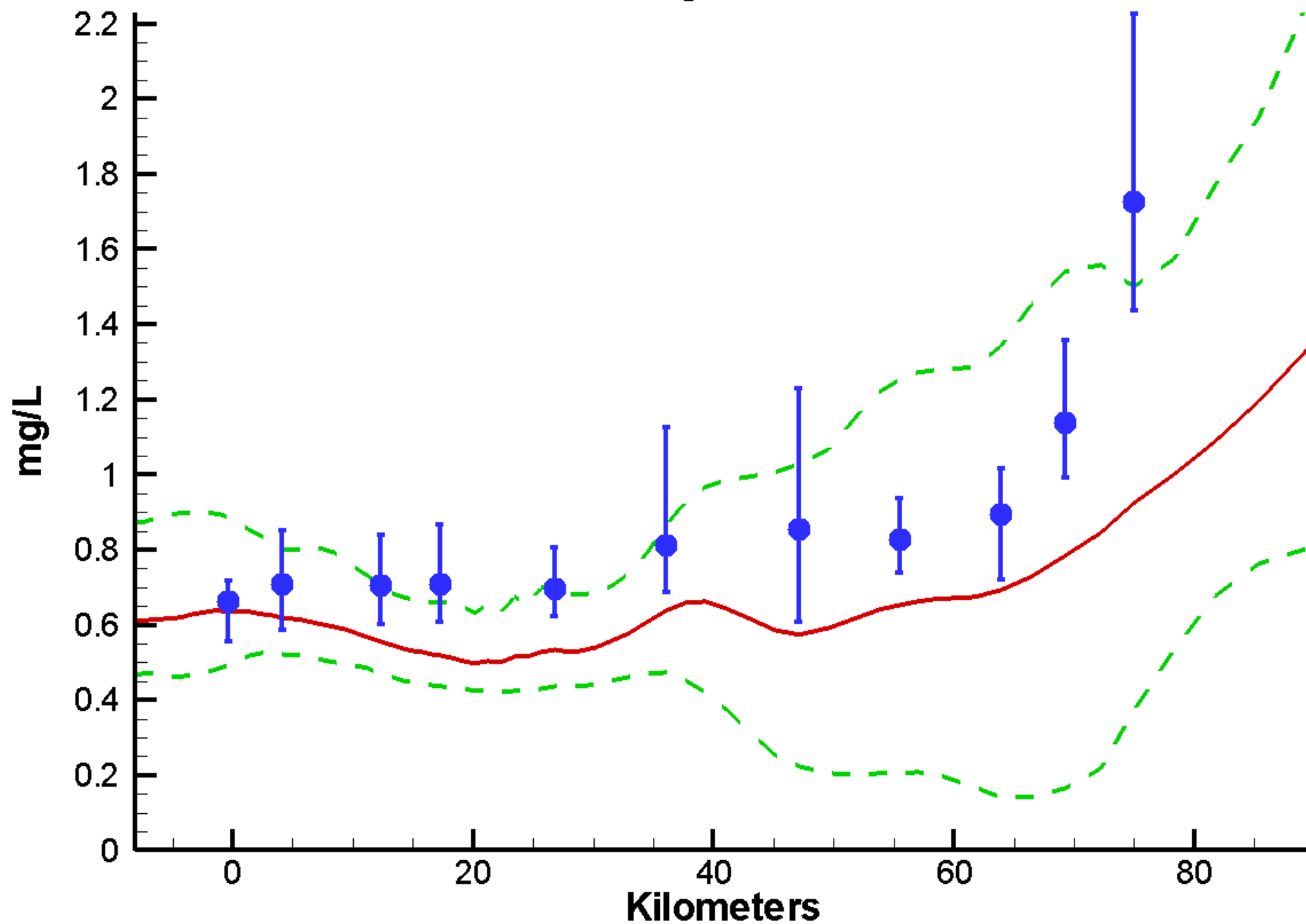
# Patuxent River 2002-2011 Run59

## Bottom Total Nitrogen Summer 2007



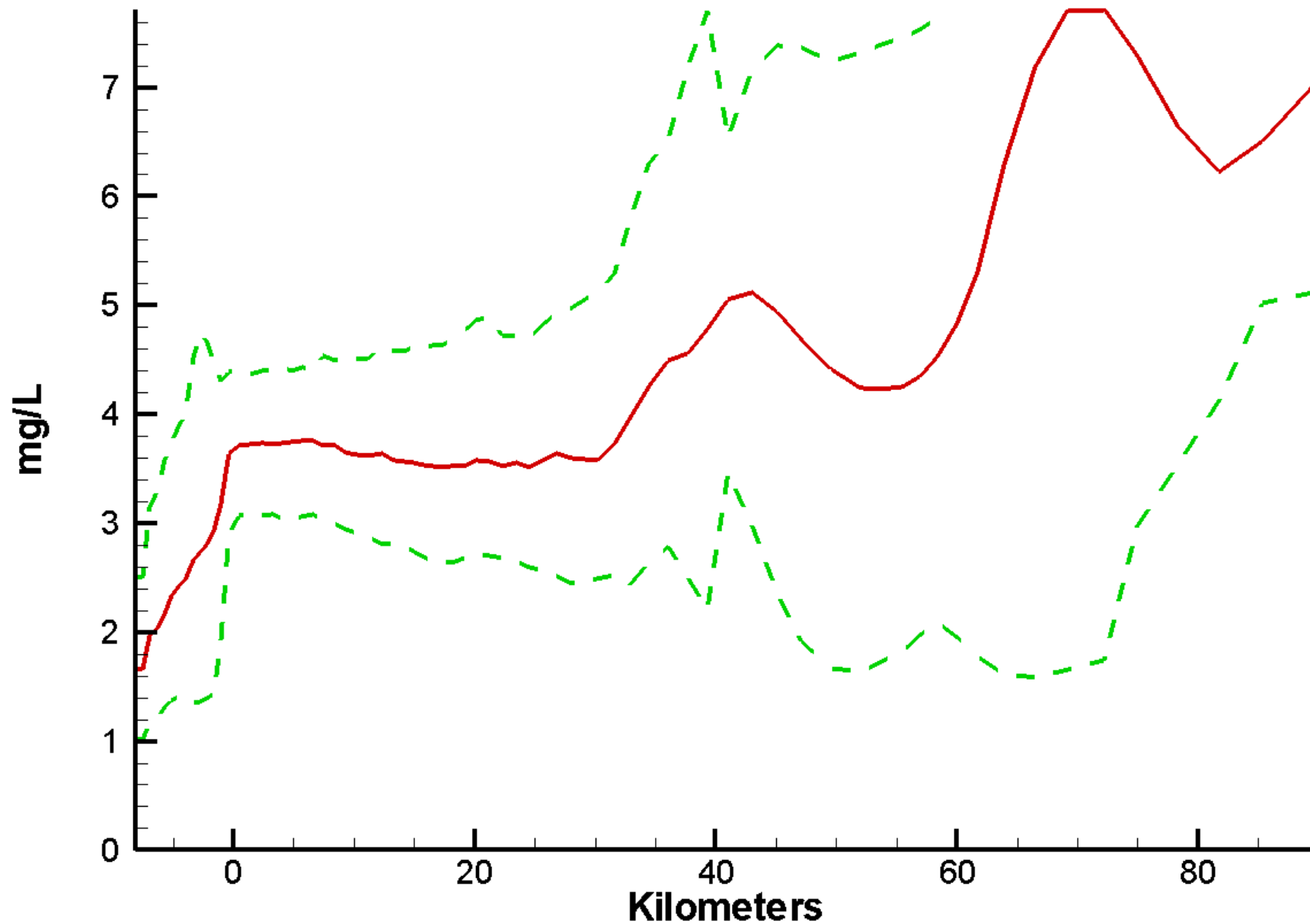
# Patuxent River 2002-2011 Run59

## Surface Total Nitrogen Summer 2007



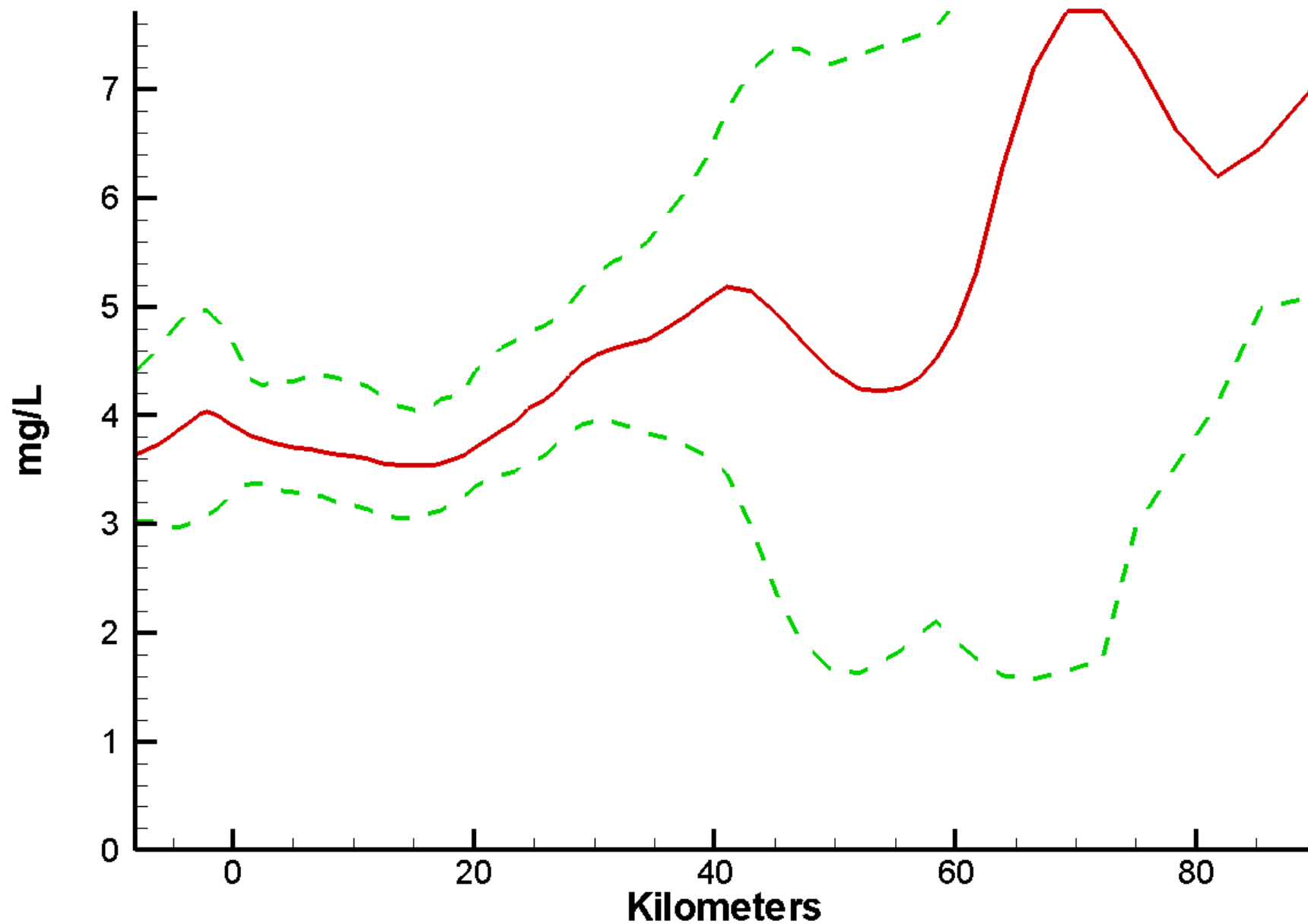
# Patuxent River 2002-2011 Run59

## Bottom Total Organic Carbon Summer 2007



# Patuxent River 2002-2011 Run59

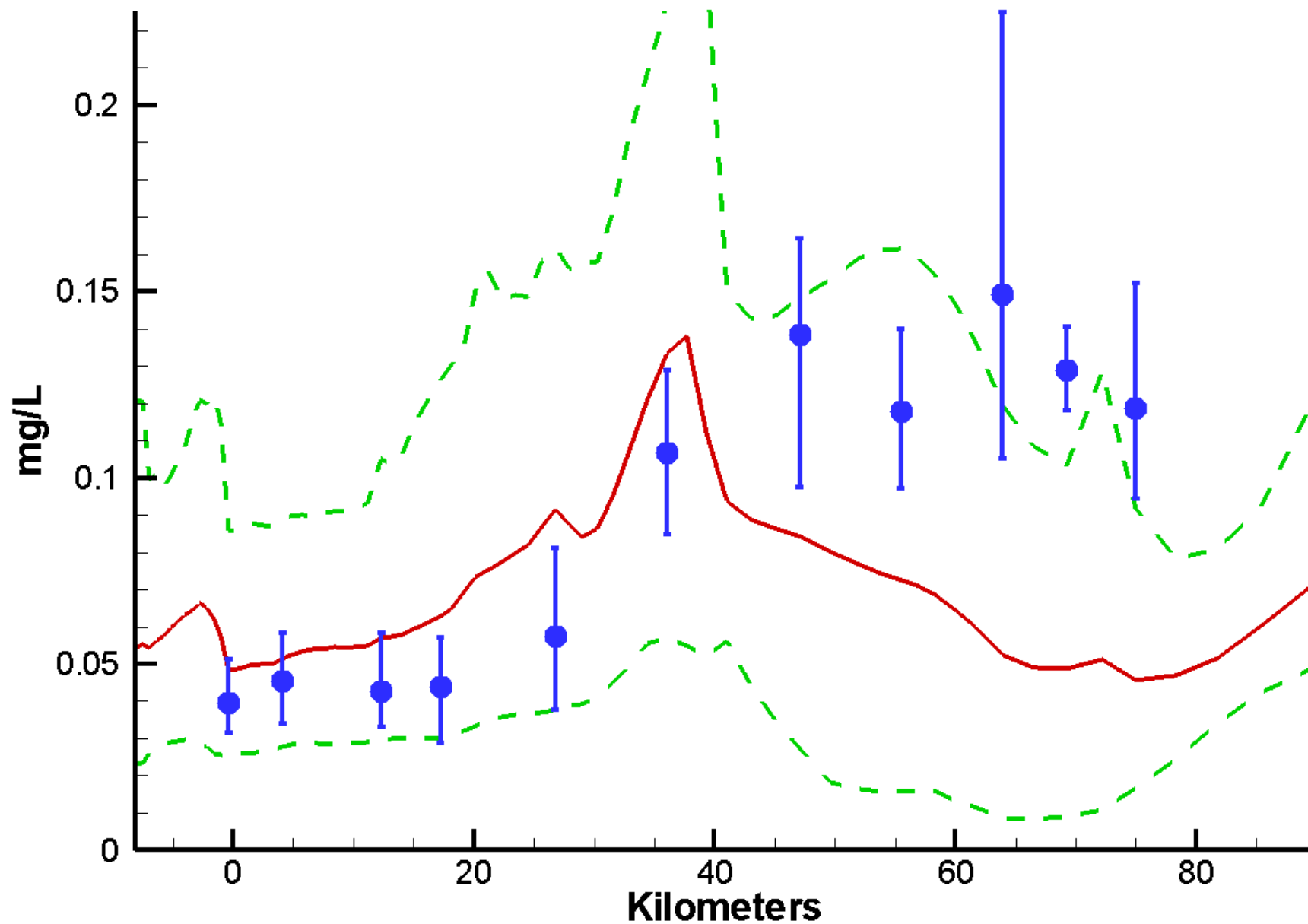
## Surface Total Organic Carbon Summer 2007





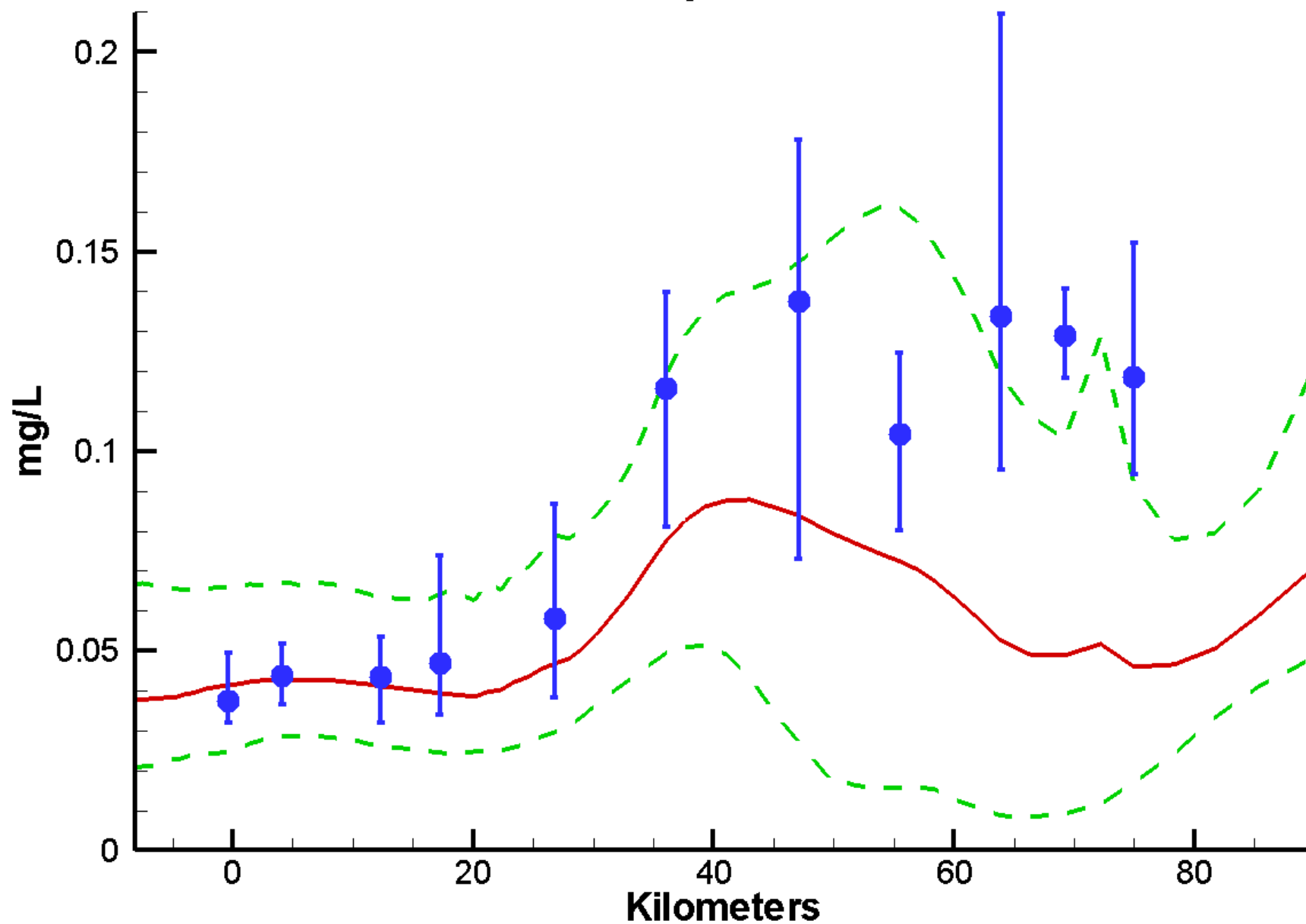
# Patuxent River 2002-2011 Run59

## Bottom Total Phosphorus Summer 2007



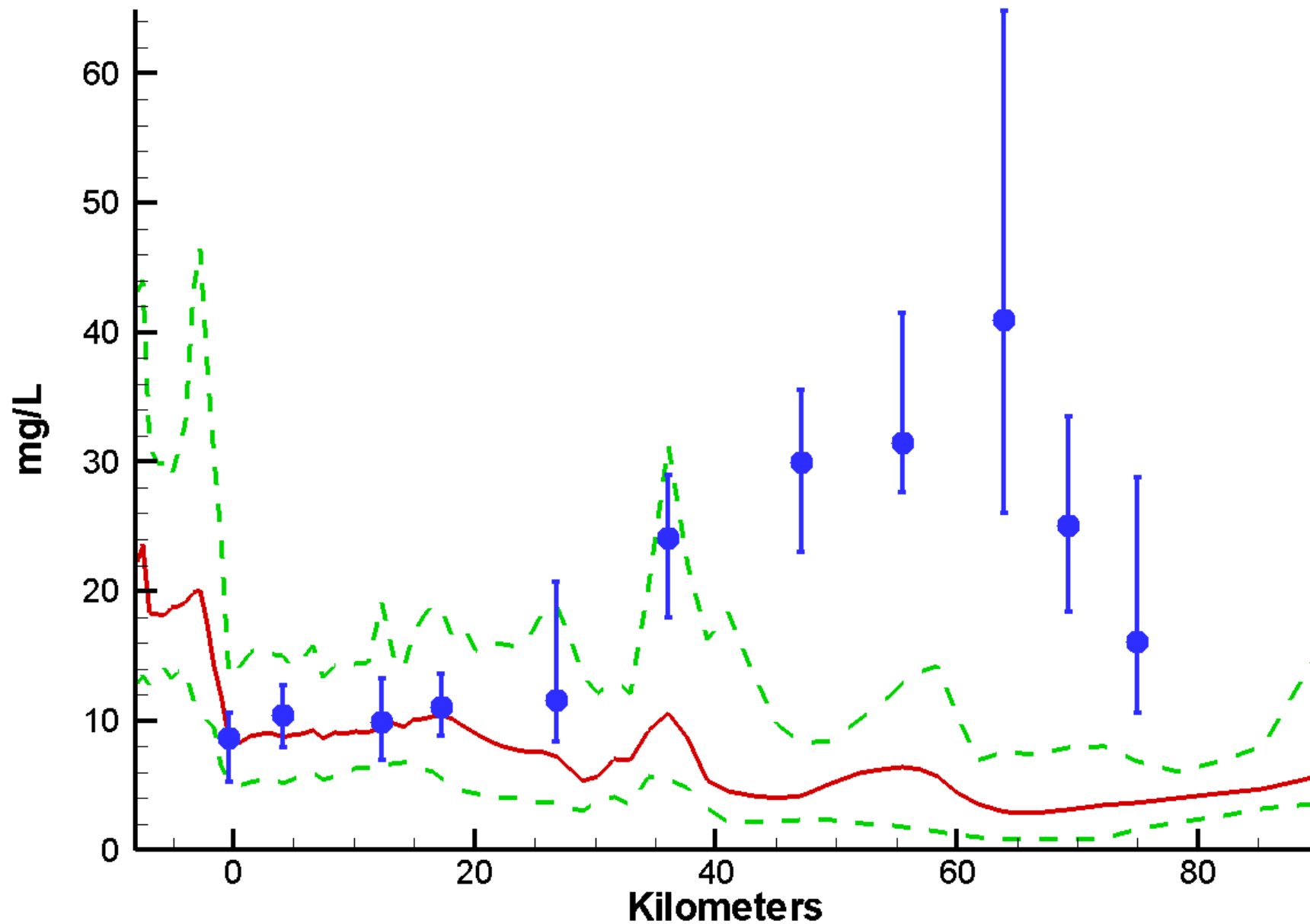
# Patuxent River 2002-2011 Run59

## Surface Total Phosphorus Summer 2007



# Patuxent River 2002-2011 Run59

## Bottom Total Suspended Solids Summer 2007



# Patuxent River 2002-2011 Run59

## Surface Total Suspended Solids Summer 2007

