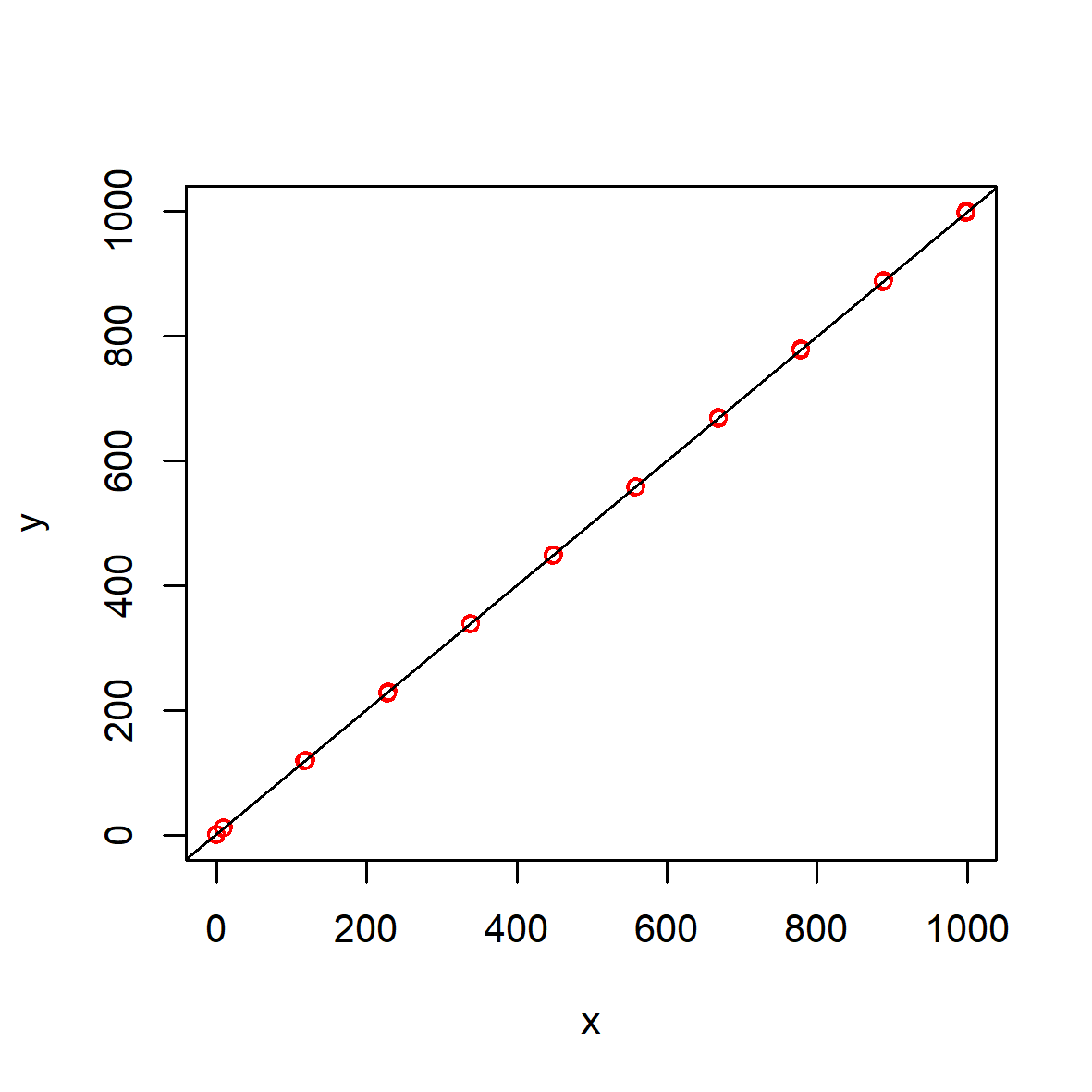
**BIOL\_EN 8180**

# Fitting Models to Data

# 1. Linear Models

## Linear Fit – with Norris Dataset



## Summary

Text, letter

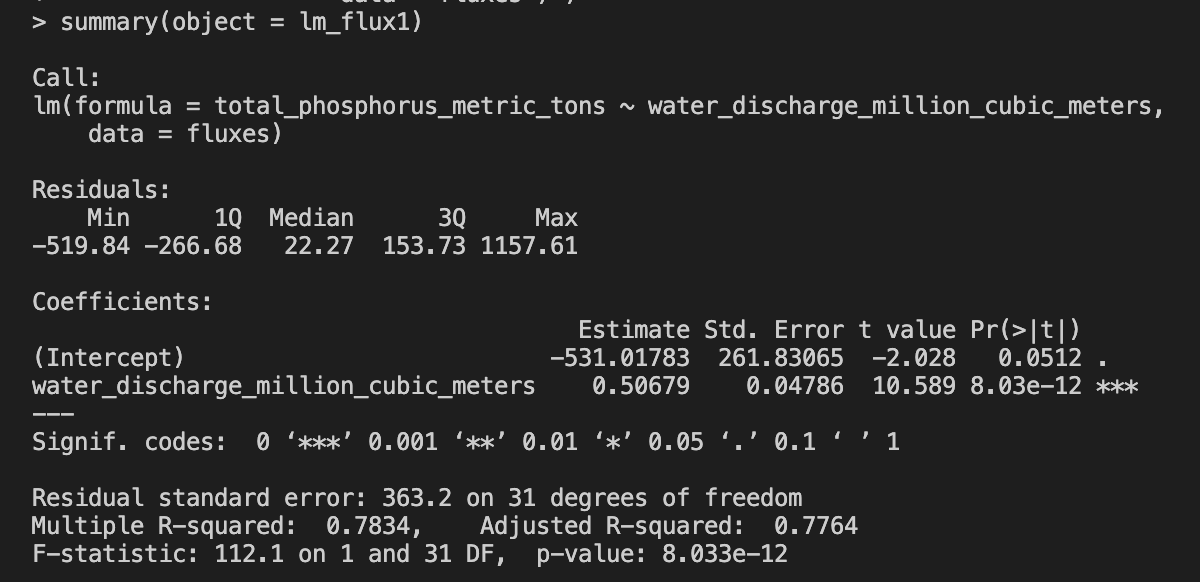
Description automatically generated

## Linear Fit – with Fluxes at Watershed Outlet (TP ~ Water)

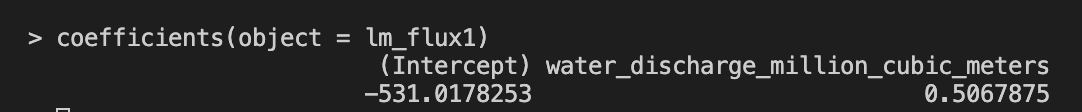
A diagram of water discharge

Description automatically generated

## Summary



## Coefficients



## Linear Fit – with Fluxes at Watershed Outlet (TN ~ Water)

A graph of water discharge

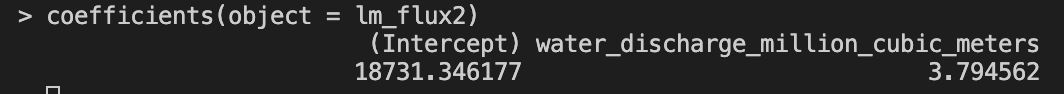
Description automatically generated

## Summary

A screenshot of a computer program

Description automatically generated

## Coefficients



## Non Linear Fit – with NIST Dataset (2nd order polynomial)

A graph with a red line

Description automatically generated

## Summary

A screen shot of a computer

Description automatically generated

## Non Linear Fit – with NIST Dataset (3nd order polynomial)

## 

## Summary

A screenshot of a computer

Description automatically generated

## Non Linear Fit – with NIST Dataset (3nd order polynomial)

A graph of a function

Description automatically generated

## Summary

A computer screen with numbers and symbols

Description automatically generated

## Non Linear Fit – with Fluxes at Watershed Outlet (TP ~ Water) 2nd order polynomial

A diagram of a number of water discharges

Description automatically generated with medium confidence

## Summary

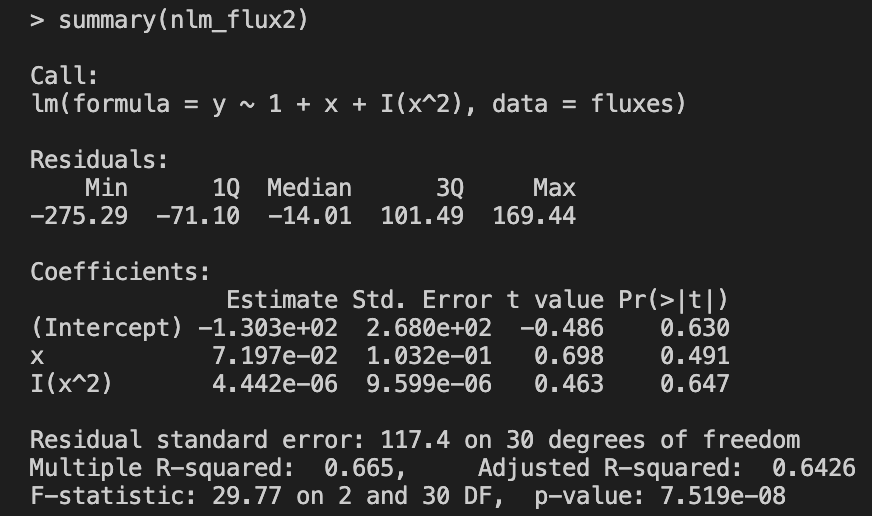
A screenshot of a computer program

Description automatically generated

## Non Linear Fit – with Fluxes at Watershed Outlet (ReP ~ Water) 2nd order polynomial

## A diagram of a red line Description automatically generated

## Summary



## Non Linear Fit – with NLS (ReP ~ Water) 2nd order polynomial

A graph of a function

Description automatically generated

## Summary

A computer screen with white text

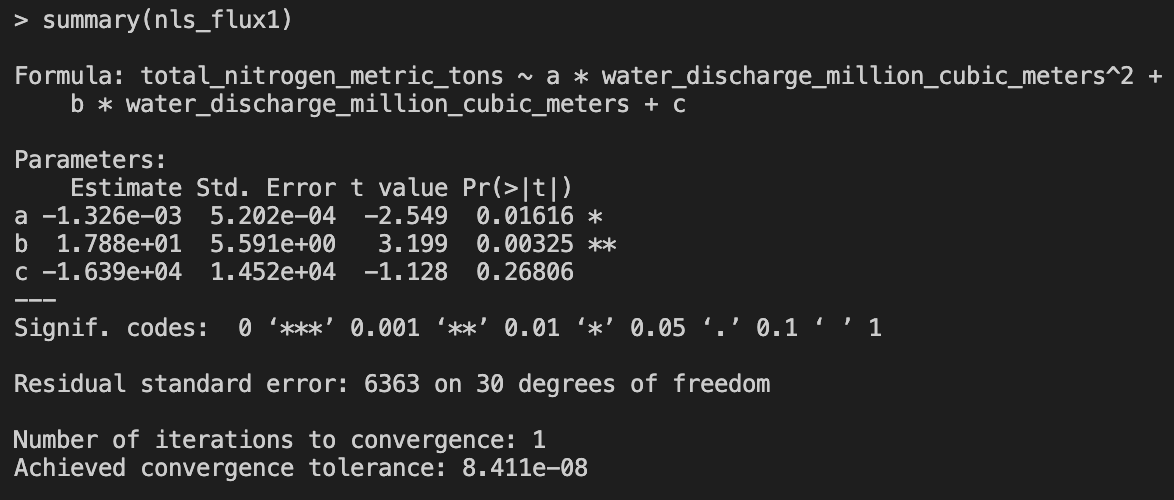
Description automatically generated

## Non Linear Fit – with Fluxes at Watershed Outlet (TN ~ Water) 2nd order polynomial

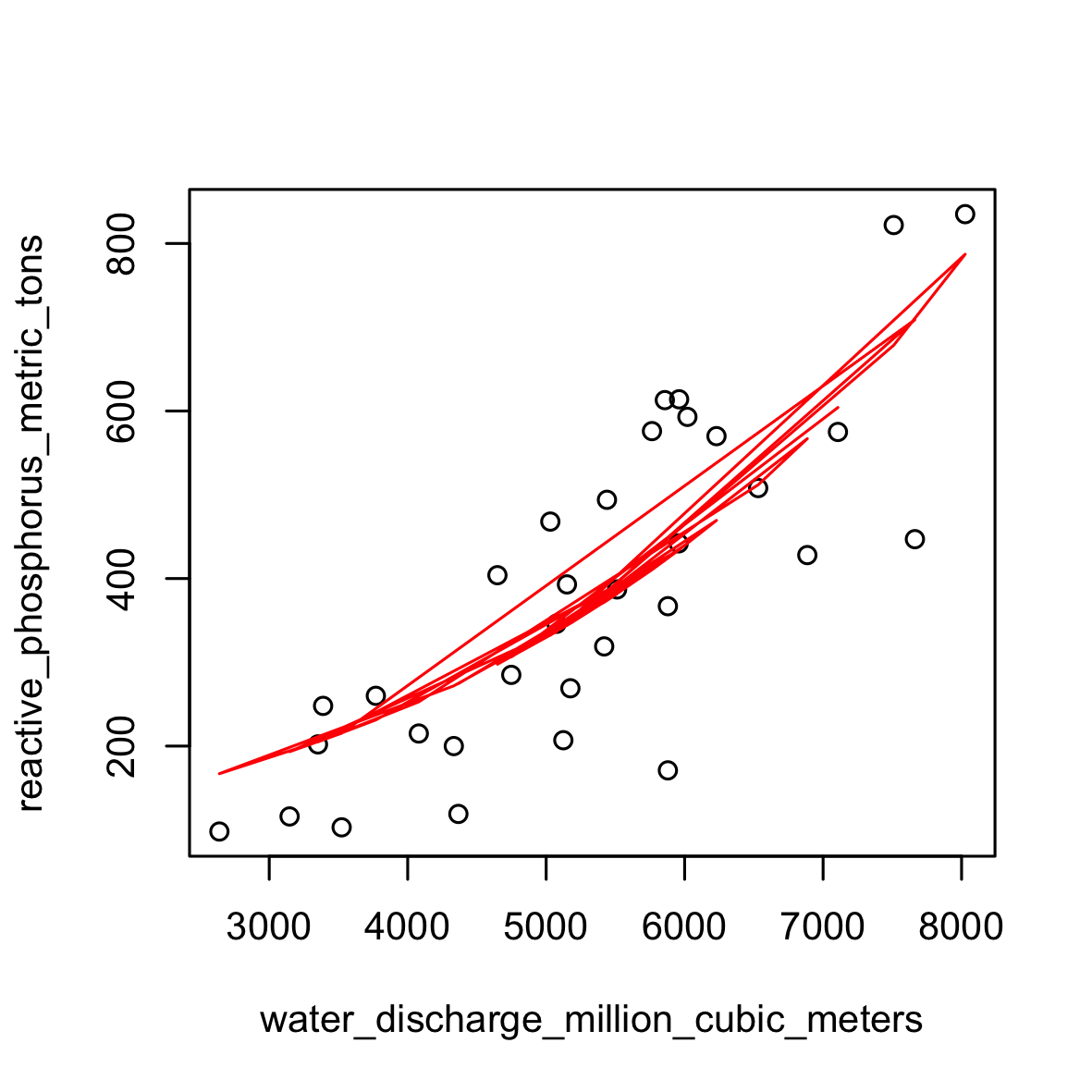
A diagram of water discharge

Description automatically generated

## Summary



## Exponential function – with Fluxes at Watershed Outlet (ReP ~ Water)

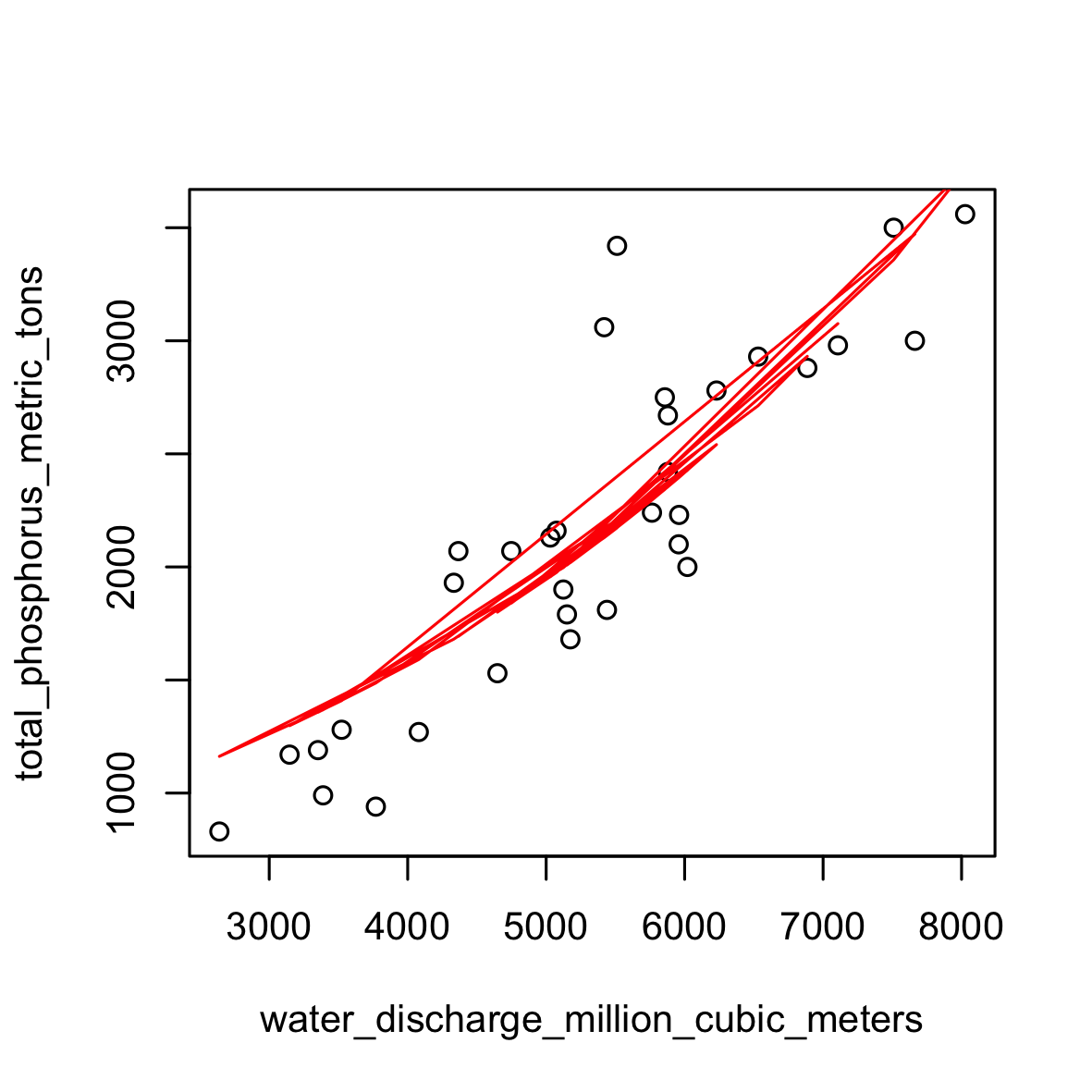


## Summary

A computer screen with white text

Description automatically generated

## Exponential function – with Fluxes at Watershed Outlet (TP ~ Water)



## Summary

