Appendix 7. Observed and estimated flux of total and dissolved phosphorus, total nitrogen, and chloride for the 18 monitored tributaries of Lake Champlain from 1990 through 2011.

[Several of the plots have lines that extend vertically from the data point to the x-axis that indicate the observed concentration value was censored (below the analytical threshold). Although the scales of the x- and y-axes differ for most of the plots, there is no need to compare among plots.]
Total Phosphorus

- Great Chazy
- Little Chazy
- Saranac
- Salmon
- Little Ausable
- Ausable

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<th>Observed Flux in kg/day</th>
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<td>200000.0</td>
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</tbody>
</table>

- Estimated Flux in kg/day
- Observed Flux in kg/day
Total Phosphorus

Estimated Flux vs. Observed Flux for:
- Bouquet
- Putnam
- Poultney
- Mettawee
- Otter
- Little Otter

Estimated Flux in kg/day vs. Observed Flux in kg/day.
Dissolved Phosphorus

Estimated Flux in kg/day

**Great Chazy**

**Little Chazy**

**Saranac**

**Salmon**

**Little Ausable**

**Ausable**

Observed Flux, in kilograms per day

Estimated Flux in kg/day
Dissolved Phosphorus

Estimated Flux in kg/day

Observed Flux in kg/day

0.2 1 5 20 100

0.1

0.2

0.5

1

2

5

10

20

50

100

200

500

1000
Total Nitrogen

Estimated Flux in kg/day

Observed Flux, in kilograms per day

Great Chazy

Little Chazy

Saranac

Salmon

Little Ausable

Ausable

Estimated Flux in kg/day

Observed Flux, in kilograms per day
Total Nitrogen

- Lewis
- LaPlatte
- Winooski
- Lamoille
- Missisquoi
- Pike

**Estimated Flux in kg/day vs. Observed Flux in kg/day**

- Lewis: Estimated Flux vs. Observed Flux
- LaPlatte: Estimated Flux vs. Observed Flux
- Winooski: Estimated Flux vs. Observed Flux
- Lamoille: Estimated Flux vs. Observed Flux
- Missisquoi: Estimated Flux vs. Observed Flux
- Pike: Estimated Flux vs. Observed Flux
Chloride

Estimated Flux in kg/day
Observed Flux in kg/day

- Great Chazy
- Little Chazy
- Saranac
- Salmon
- Little Ausable
- Ausable

Estimated Flux in kg/day
Observed Flux, in kilograms per day
Chloride

Estimated Flux in kg/day
Observed Flux in kg/day

1000 5000 20000 1e+05
500
1000
2000
5000
10000
20000
50000
1e+05

Estimated Flux, in kilograms per day

50,000 10,000 1,000 100 20

200,000 100,000 10,000 2,000 100

50000 1e+05 2e+05

Observed Flux, in kilograms per day
Chloride

**Observed Flux**, in kilograms per day

**Estimated Flux** in kg/day

- **Lewis**
- **LaPlatte**
- **Winooski**
- **Lamoille**
- **Missisquoi**
- **Pike**