Water Quality of Norroway Stream

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Water Quality of Norrowway Stream

Randolph Community Middle School

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What is a watershed?

• A watershed is an area of land where water from precipitation drains downhill into a common body of water.

• A watershed includes the streams, rivers, and the land.
Most of Randolph is part of the Neponset River Watershed.
Narrowway Stream
MacroInvertebrates (2010)

- 77% chironomidae
- Group tolerance value of 7 which means they can live in some pollution.
The MGBI has increased to 6.24.

This shows that the stream is becoming more polluted.

A MGBI of 6.24 indicates a moderately polluted stream.
Dissolved Oxygen per Hour at Narrowway Stream

DO Per Hour at Narrowway Stream

Time (Hours)

DO Per Hour
Temperature at Narrowway Stream

- How the temperature of the water was affected by time of day.
Phosphate and Nitrogen Levels at Norroway Stream

Average Nitrate Levels at Norroway Stream

Average Phosphate Levels at Norroway Stream
pH Levels at Narrowway Stream

**pH Variation per hour at Narrowway Stream**

- pH: 8.3 to 9.1
- Time (Hours):
  - 16:00:01
  - 19:00:01
  - 22:00:01
  - 01:00:01
  - 04:00:01
  - 07:00:01
  - 10:00:01
  - 13:00:01

*Graph showing pH variation per hour.*
Thanks For Watching!!