Conclusion:

Airport: **Does** have an effect on the river

Golf courses: **Does** have an effect on the river

Snow makers: **Doesn't** have an effect on the river

Septic tanks: **Can't confirm** If it has an effect
**Question?**

Could Boyne mountain be affecting the Boyne river's water quality as a non point pollution source?

**Hypothesis**

Yes, we believe that Boyne mountain is affecting the Boyne river. We believe their main sources could be the:

- Airport
- Golf courses
- Production of man made snow
- Septic tanks

**The Airport:**
We have suspected that the airport used toxins to keep its runways open for use in the winter.

**The Golf Course:**
Normally golf courses use fertilizers and chemicals to keep the grass healthy. Does Boyne mountain use fertilizers?

**Production of Man Made Snow:**
Do snow makers use chemicals to make the snow?

**Septic Tanks:** Does Boyne Mountain's septic system affect the rivers water quality?

**Stream Conditions**

Temperature: 8 degrees C  
Average water depth: 9.6 in  
Air temp: 10 C  
Turbidity: Somewhat turbid

**Water Chemistry**

PH: 8  
Dissolved oxygen: 4 ppm  
34% saturation  
Nitrates: 5 ppm  
Phosphates: 2 ppm  
Bacteria Coliform: Positive  
BOD: 8 ppm