## Soil Contamination Worksheet

## Record your calibration data in the table below.

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| **Table 1: Soil Contamination Calibration**  |
| **Material**  | **Number of Dye Drops**  | **Percentage of Reflection** |
| **clean sand** |  |  |
| **contaminated sand** |  |  |
| **contaminated sand** |  |  |
| **contaminated sand** |  |  |
| **contaminated sand** |  |  |
| **contaminated sand** |  |  |

## Below, sketch the location of the simulation river and wells. Label the wells by number.

## Record your experimental data in the table below.

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| **Table 2: Soil Contamination Experiment** |
| **Well #** | **Percentage of Reflection** | **Visual Observation** | **Number of Drops**  |
| Well 1  |  |  |  |
| Well 2 |  |  |  |
| Well 3 |  |  |  |
| Well 4 |  |  |  |
| Well 5 |  |  |  |
| Well 6 |  |  |  |

## Do your visual observations match the number of drops you calculated? Explain.

## What are possible sources of error?

## How might you improve this experiment for next time?