| Rainfall | in | $\quad$ n |
| :--- | :--- | :--- |


| Surface <br> type | Runoff <br> coefficient | Surface <br> area <br> $\mathbf{f t}^{2}$ | Volume of <br> runoff <br> $\mathbf{f t}^{3}$ | Gallons of <br> Runoff | Percentage <br> of Runoff <br> $\%$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Pavement/ <br> rooftop | .98 |  |  |  |  |
| Turfgrass: <br> flat | .2 |  |  |  |  |
| Turfgrass: <br> sloped | .3 |  |  |  |  |
| Gravel/ <br> baseball field | .4 |  |  |  |  |
| Playground | .35 |  |  |  |  |
| optional |  |  |  |  |  |
| Tree cover | .15 |  |  |  |  |
| Open space | .20 |  |  |  |  |

## Total gallons of runoff

## Reflection questions

1. Which surfaces shed more water, and which shed less? Why is this so?
2. What happens on pavement and turf grass that might effect water quality? How should this be managed?
3. If you were to design a schoolyard, which surface types would you use more of? Which would you use less of?
4. What would you tell visitors to your school if they wanted help keep water clean?
