

## **Harriet and Howard Human**

Harriet and Howard live in the Lake Tahoe watershed. They left their house early one Saturday morning to go mountain biking along a mountain ridge with their dog Pooper. Before they left Harriet reminded Howard to fertilize their lawn so that the grass would grow. (Drop green food coloring on the model and explain that fertilizer is carried by water to the lake and causes pollution). They did not realize it, but as they drove, their car was leaking a little motor oil onto the street. (Drop red food coloring in a line around part of the model.) Their exhaust pipe was releasing very tiny pollutants, from the gas being used to drive the car. (More red food coloring to represent gas pollution.) Harriet and Howard had a great time mountain biking, they love to go really fast around the corners, down the hill and skid out right before they get to the stream. Unfortunately, when they do this, lots of dirt is eroded from the mountain and ends up in the stream. The dirt that ends up in the stream is called sediment. (Sprinkle cocoa powder on the mountain and near the creek, marked blue, to represent the dirt that is displaced when humans mountain bike or snow ski.) After mountain biking, they took their dog Pooper to the dog beach for a swim. After cooling off in the water, Pooper had to do just what his name suggests. Harriet and Howard had forgotten their pooper-scooper and did not have plastic bag to put the poop in. (Sprinkle more cocoa powder near the lake to represent this.) As Harriet, Howard and Pooper drove passed the golf coarse, a little more motor oil leaked onto the street and pollutants continued to come out of the car's exhaust pipe. (Add more green food coloring for golf coarse and red food coloring for car pollutants).

Supplement to Lesson One – Watersheds, Activity Two – Build Your Own Watershed

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