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12. The collector of claim 1, wherein the collector is used to collect one of precipitation, surface water, and ground water.

13. The collector of claim 1, further comprising:
a controller to control opening and closing of the first valve
and the second valve and rotation of the carousel; and

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a tipping bucket rain gauge sending a start signal and a stop signal to the controller to control starting and stopping of the collector, the collector collecting water samples when a rate of the tipping bucket rain gauge is greater than a preset amount.

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