

## Water Flow Resources

USGS Water Data for Idaho: <http://waterdata.usgs.gov/id/nwis/nwis>

<http://www.usbr.gov/pn/hydromet/> Bureau of Reclamation

<http://www.usbr.gov/pn/hydromet/burtea.html> Bureau of Reclamation Teacup

<http://www.wcc.nrcs.usda.gov/basin.html> NRCS Reservoir Levels

Idaho Water Supply: <http://idwr.idaho.gov/WaterInformation/WaterSupply/supply.htm>

Assessing the vulnerability of Western Watersheds in Drought <http://wa.water.usgs.gov/projects/lowflow/maps.htm>

## Snake River Hydrograph

Monitoring surface water is essential for water managers to make informed decisions about how to manage the river.

Using the real river flow data from the Snake River provided in the data chart below, create a hydrograph.

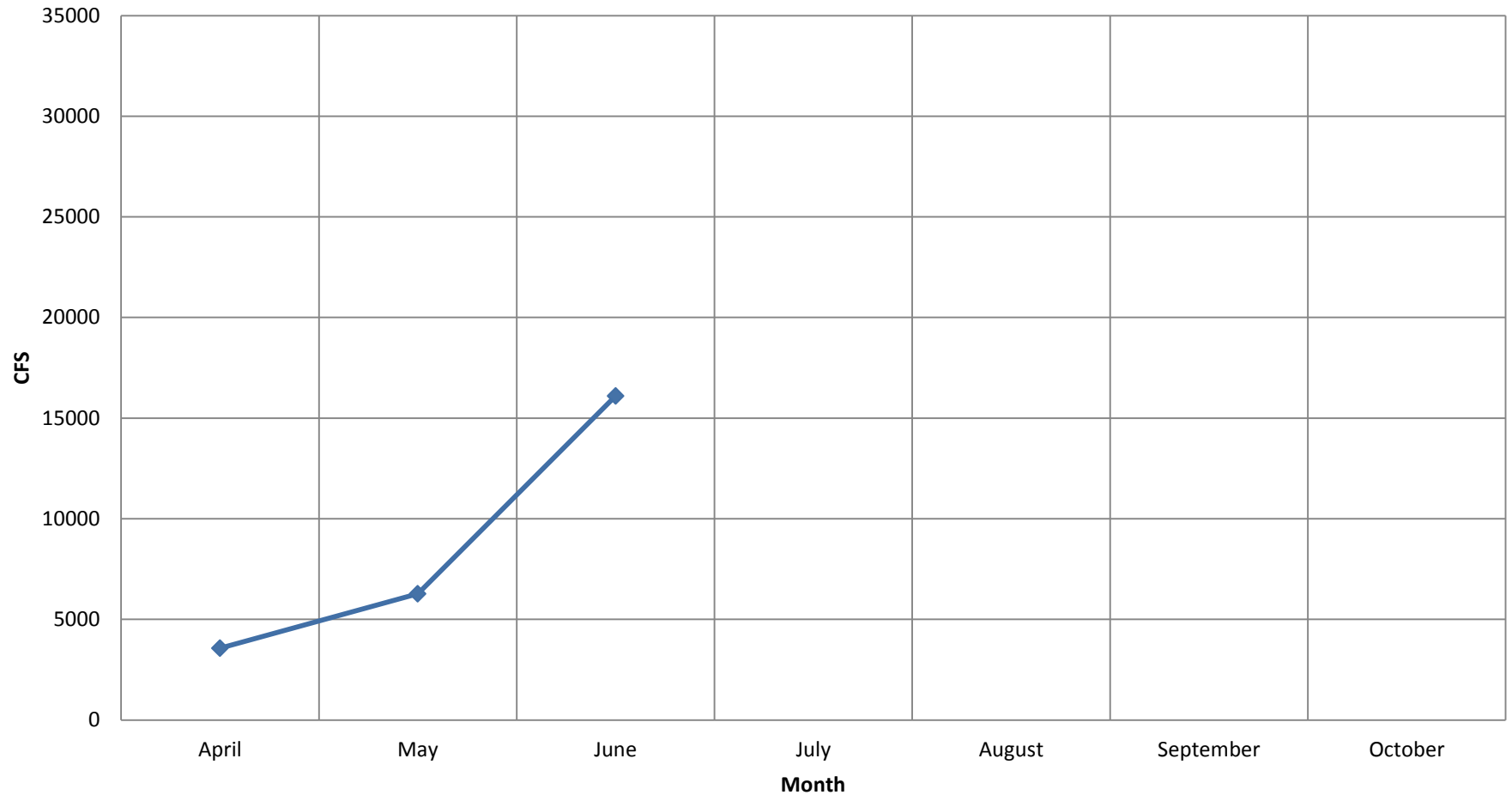
1. Use a small square to plot (mark) the flow for each month in 1935. The first few points for 1935 have been done for you.
2. Connect the squares with a line to show river flow for 1935.
3. Repeat this process using a different symbol or color for each year.
4. Use the hydrographs you made to answer the questions below.

	April	May	June	July	August	September	October
1935	3570	6270	16100	11045	5110	4920	2520
1950	8214	13710	23510	13930	9416	4767	3767
1985	5750	8780	11900	10100	7700	2200	3800
1997	14100	*18000	30650	14000	8010	*6000	4860
2011	18100	*20000	23200	23200	*11000	9220	5520
2015	3490	14500	9810	*9600	9240		
Average	6567	11687	16160	12469	8787	5787	2805

USGS 13032500 SNAKE RIVER NR IRWIN ID  
Bonneville County, Idaho  
Latitude 43°21'03", Longitude 111°13'08" NAD83  
Drainage area 5,225 square miles

*\*The data in this chart is the monthly mean in cfs (cubic feet per second) from USGS gauging station 13032500 near Irwin, Idaho. Numbers with \* have been estimated because actual data was not collected.*

## Snake River Hydrograph at Irwin, Idaho



1. What year had the highest flow?
2. What year had the lowest flow?
3. What month usually has the highest flows?
4. What consequence might people experience as a result of extremely high flows?
5. What consequence might people experience as a result of extremely low flows?