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Stream Monitoring Results

These graphs show the most important measures of a stream's water quality. Select the subwatershed, stream, station and date range and click the RUN button to see results.

Subwatershed

Stream

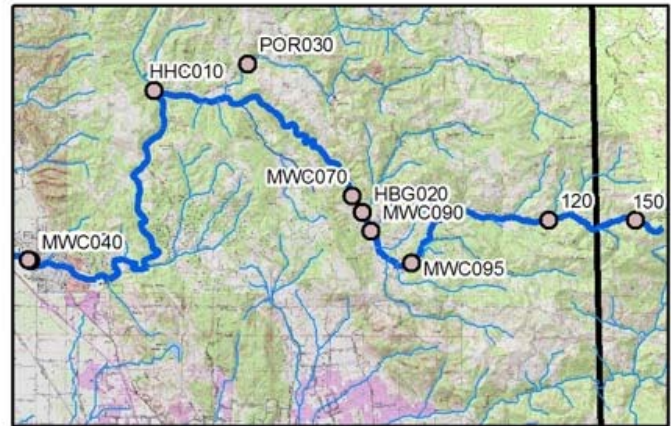
Station

Measurement Date Range

 From:

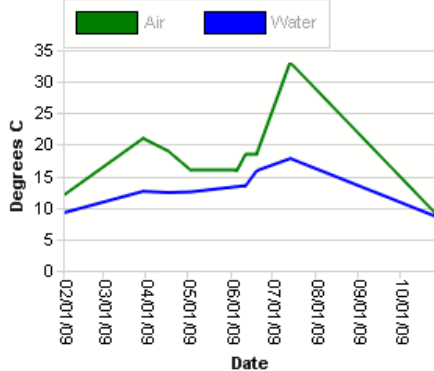
 To:

Humbug Creek Monitoring Station Locations



Mark West Creek: Humbug Creek: HBG020

Water and Air Temp



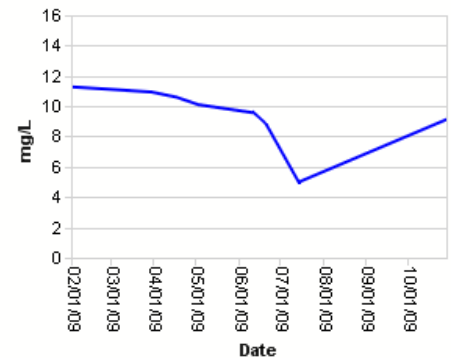
Temperature is a measure of the average kinetic energy of water. Optimum temperatures for salmonids are between 4 and 16 degrees Celsius.

pH



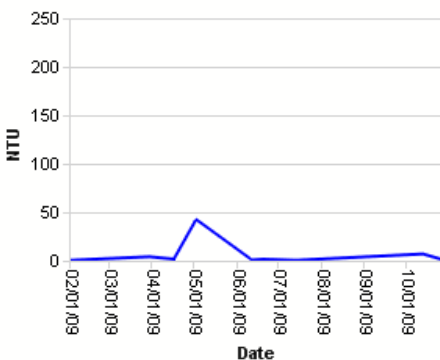
pH is a measure of how basic or acidic water is. A higher pH is more basic. Algal growth is fueled by nutrients and makes water more basic.

Dissolved Oxygen



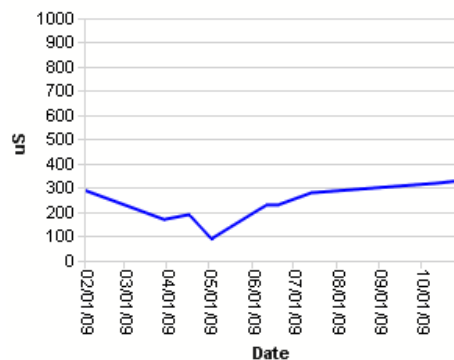
Dissolved Oxygen is the result of photosynthesis of plants and algae. Many types of bacteria consume oxygen while breaking down organic materials.

Turbidity



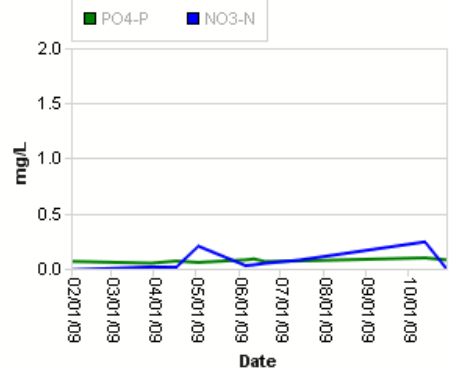
Turbidity is a measure of suspended solids in water. Salmonids prefer turbidity levels below 10 NTUs. Recreational water levels should be below 5 NTUs.

Conductivity



Conductivity is the ability of water to conduct electrical current. It is considered a secondary indicator of possible pollution.

Nitrates/Phosphates



Nitrates and Phosphates are essential nutrients for plant life but excessive levels can lead to eutrophication.

Data Table

Export Data

Lab Sample ID	Station Code	Date	Time	Replicate	Analyte	Result Unit	ResQualCode	QA Code	RL	Storm	Dry
10961	HBG020	2/1/2009	4:00 PM	1	COND	290 uS	=	None	10		
11126	HBG020	3/30/2009	11:01 AM	1	COND	170 uS	=	None	10		
11166	HBG020	4/17/2009	11:45 AM	1	COND	190 uS	=	None	10		
11182	HBG020	5/3/2009	1:30 PM	1	COND	90 uS	=	None	10		
11246	HBG020	6/6/2009	5:00 PM	1	COND	210 uS	=	None	10		
11252	HBG020	6/12/2009	10:00 AM	1	COND	230 uS	=	None	10		
11262	HBG020	6/20/2009	12:05 PM	1	COND	230 uS	=	None	10		
11298	HBG020	7/14/2009	1:42 PM	1	COND	280 uS	=	None	10		
11313	HBG020	7/17/2009	12:40 PM	1	COND		NA	FD			
11344	HBG020	7/28/2009	2:00 PM	1	COND		NA	FD			
11358	HBG020	8/11/2009	1:15 PM	1	COND		NA	NR			
11388	HBG020	9/1/2009	11:45 AM	1	COND		NA	NR			
11397	HBG020	9/8/2009	12:00 AM	1	COND		NA	FD			
11410	HBG020	9/11/2009	12:00 AM	1	COND		NA	FD			
11465	HBG020	10/13/2009	10:40 AM	1	COND	320 uS	=	None	10		
11495	HBG020	10/29/2009	10:25 AM	1	COND	330 uS	=	None	10		
10961	HBG020	2/1/2009	4:00 PM	1	DO	11.27 mg/L	=	None	0.1		
11126	HBG020	3/30/2009	11:01 AM	1	DO	10.94 mg/L	=	None	0.1		
11166	HBG020	4/17/2009	11:45 AM	1	DO	10.6 mg/L	=	None	0.1		
11182	HBG020	5/3/2009	1:30 PM	1	DO	10.1 mg/L	=	None	0.1		
11246	HBG020	6/6/2009	5:00 PM	1	DO		NA	FIF			
11252	HBG020	6/12/2009	10:00 AM	1	DO	9.56 mg/L	=	None	0.1		
11262	HBG020	6/20/2009	12:05 PM	1	DO	8.9 mg/L	=	None	0.1		
11298	HBG020	7/14/2009	1:42 PM	1	DO	4.98 mg/L	=	None	0.1		
11313	HBG020	7/17/2009	12:40 PM	1	DO		NA	FD			
11344	HBG020	7/28/2009	2:00 PM	1	DO		NA	FD			
11358	HBG020	8/11/2009	1:15 PM	1	DO		NA	NR			
11388	HBG020	9/1/2009	11:45 AM	1	DO		NA	NR			
11397	HBG020	9/8/2009	12:00 AM	1	DO		NA	FD			
11410	HBG020	9/11/2009	12:00 AM	1	DO		NA	FD			
11465	HBG020	10/13/2009	10:40 AM	1	DO		NA	NR			
11495	HBG020	10/29/2009	10:25 AM	1	DO	9.14 mg/L	=	None	0.1		
10961	HBG020	2/1/2009	4:00 PM	1	NO3-N	-.010 mg/L	ND	None	0.02		
11126	HBG020	3/30/2009	11:01 AM	1	NO3-N	.015 mg/L	DNQ	None	0.02		
11166	HBG020	4/17/2009	11:45 AM	1	NO3-N	.013 mg/L	DNQ	None	0.02		
11182	HBG020	5/3/2009	1:30 PM	1	NO3-N	.204 mg/L	=	None	0.02		
11246	HBG020	6/6/2009	5:00 PM	1	NO3-N	.028 mg/L	=	None	0.02		
11252	HBG020	6/12/2009	10:00 AM	1	NO3-N	.035 mg/L	=	H	0.02		
11262	HBG020	6/20/2009	12:05 PM	1	NO3-N	.049 mg/L	=	H	0.02		
11298	HBG020	7/14/2009	1:42 PM	1	NO3-N	.077 mg/L	=	None	0.02		
11465	HBG020	10/13/2009	10:40 AM	1	NO3-N	.243 mg/L	=	None	0.02		
11495	HBG020	10/29/2009	10:25 AM	1	NO3-N	-.010 mg/L	ND	None	0.02		
10961	HBG020	2/1/2009	4:00 PM	1	PO4-P	.066 mg/L	=	None	0.03		
11126	HBG020	3/30/2009	11:01 AM	1	PO4-P	.050 mg/L	=	None	0.03		
11166	HBG020	4/17/2009	11:45 AM	1	PO4-P	.069 mg/L	=	None	0.03		
11182	HBG020	5/3/2009	1:30 PM	1	PO4-P	.057 mg/L	=	None	0.03		
11246	HBG020	6/6/2009	5:00 PM	1	PO4-P	.080 mg/L	=	None	0.03		
11252	HBG020	6/12/2009	10:00 AM	1	PO4-P	.088 mg/L	=	H	0.03		
11262	HBG020	6/20/2009	12:05 PM	1	PO4-P	.065 mg/L	=	H	0.03		
11298	HBG020	7/14/2009	1:42 PM	1	PO4-P	.070 mg/L	=	None	0.03		
11465	HBG020	10/13/2009	10:40 AM	1	PO4-P	.098 mg/L	=	None	0.03		
11495	HBG020	10/29/2009	10:25 AM	1	PO4-P	.079 mg/L	=	None	0.03		
10961	HBG020	2/1/2009	4:00 PM	1	TEMPAIR	12 DegC	=	None	0.3		
11126	HBG020	3/30/2009	11:01 AM	1	TEMPAIR	21 DegC	=	None	0.3		
11166	HBG020	4/17/2009	11:45 AM	1	TEMPAIR	19 DegC	=	None	0.3		
11182	HBG020	5/3/2009	1:30 PM	1	TEMPAIR	16 DegC	=	None	0.3		
11246	HBG020	6/6/2009	5:00 PM	1	TEMPAIR	16 DegC	=	None	0.3		
11252	HBG020	6/12/2009	10:00 AM	1	TEMPAIR	18.5 DegC	=	None	0.3		
11262	HBG020	6/20/2009	12:05 PM	1	TEMPAIR	18.5 DegC	=	None	0.3		
11298	HBG020	7/14/2009	1:42 PM	1	TEMPAIR	33 DegC	=	None	0.3		
11313	HBG020	7/17/2009	12:40 PM	1	TEMPAIR		NA	NR			
11344	HBG020	7/28/2009	2:00 PM	1	TEMPAIR		NA	NR			
11358	HBG020	8/11/2009	1:15 PM	1	TEMPAIR		NA	NR			
11388	HBG020	9/1/2009	11:45 AM	1	TEMPAIR		NA	NR			
11397	HBG020	9/8/2009	12:00 AM	1	TEMPAIR		NA	NR			

											Export Data	
Lab Sample ID	Station Code	Date	Time	Replicate	Analyte	Result Unit	ResQualCode	QA Code	RL	Storm	Dry	
11410	HBG020	9/11/2009	12:00 AM	1	TEMPAIR		NA	NR				
11465	HBG020	10/13/2009	10:40 AM	1	TEMPAIR		NA	NR				
11495	HBG020	10/29/2009	10:25 AM	1	TEMPAIR	8.5 DegC	=	None	0.3			
10961	HBG020	2/1/2009	4:00 PM	1	TEMPWATER	9.2 DegC	=	None	0.1			
11126	HBG020	3/30/2009	11:01 AM	1	TEMPWATER	12.6 DegC	=	None	0.1			
11166	HBG020	4/17/2009	11:45 AM	1	TEMPWATER	12.4 DegC	=	None	0.1			
11182	HBG020	5/3/2009	1:30 PM	1	TEMPWATER	12.5 DegC	=	None	0.1			
11246	HBG020	6/6/2009	5:00 PM	1	TEMPWATER		NA	FIF				
11252	HBG020	6/12/2009	10:00 AM	1	TEMPWATER	13.5 DegC	=	None	0.1			
11262	HBG020	6/20/2009	12:05 PM	1	TEMPWATER	15.9 DegC	=	None	0.1			
11298	HBG020	7/14/2009	1:42 PM	1	TEMPWATER	17.8 DegC	=	None	0.1			
11313	HBG020	7/17/2009	12:40 PM	1	TEMPWATER		NA	FD				
11344	HBG020	7/28/2009	2:00 PM	1	TEMPWATER		NA	FD				
11358	HBG020	8/11/2009	1:15 PM	1	TEMPWATER		NA	NR				
11388	HBG020	9/1/2009	11:45 AM	1	TEMPWATER		NA	NR				
11397	HBG020	9/8/2009	12:00 AM	1	TEMPWATER		NA	FD				
11410	HBG020	9/11/2009	12:00 AM	1	TEMPWATER		NA	FD				
11465	HBG020	10/13/2009	10:40 AM	1	TEMPWATER		NA	NR				
11495	HBG020	10/29/2009	10:25 AM	1	TEMPWATER	8.4 DegC	=	None	0.1			
10961	HBG020	2/1/2009	4:00 PM	1	TURB	.39 NTU	=	None	0.01			
11126	HBG020	3/30/2009	11:01 AM	1	TURB	4.10 NTU	=	None	0.01			
11166	HBG020	4/17/2009	11:45 AM	1	TURB	1.61 NTU	=	None	0.01			
11182	HBG020	5/3/2009	1:30 PM	1	TURB	42.4 NTU	=	None	0.01			
11246	HBG020	6/6/2009	5:00 PM	1	TURB		NA	FIF				
11252	HBG020	6/12/2009	10:00 AM	1	TURB	0.75 NTU	=	None	0.01			
11262	HBG020	6/20/2009	12:05 PM	1	TURB	1.47 NTU	=	None	0.01			
11298	HBG020	7/14/2009	1:42 PM	1	TURB	0.46 NTU	=	None	0.01			
11313	HBG020	7/17/2009	12:40 PM	1	TURB		NA	FD				
11344	HBG020	7/28/2009	2:00 PM	1	TURB		NA	FD				
11358	HBG020	8/11/2009	1:15 PM	1	TURB		NA	NR				
11388	HBG020	9/1/2009	11:45 AM	1	TURB		NA	NR				
11397	HBG020	9/8/2009	12:00 AM	1	TURB		NA	FD				
11410	HBG020	9/11/2009	12:00 AM	1	TURB		NA	FD				
11465	HBG020	10/13/2009	10:40 AM	1	TURB	6.96 NTU	=	None	0.01			
11495	HBG020	10/29/2009	10:25 AM	1	TURB	0.35 NTU	=	None	0.01			

Data collected using SWAMP protocols. Calibration and training records available upon request.

ResQualCode: = (equal to); ND (Non Detect); NA (Not Analyzed); DNQ (Detected Not Quantifiable); > (greater than)

QACode: X (none - no qualifier); NR (Not Recorded); J (estimated); H (Hold Time Violation); HH (results exceed linear range)

RL is Reporting Limit