



Water-Data Report 2012

**480608115242901 LIBBY WETLAND SITE BL SCHRIEBER LAKE NR LIBBY, MT**

Kootenai Basin  
Fisher Subbasin

LOCATION.--Lat 48°06'08", long 115°24'29" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.13, T.27 N., R.30 W., Lincoln County, MT, Hydrologic Unit 17010102, on left bank downstream from Schrieber Lake outlet, 0.5 mile off Highway 2 West, and 20 miles southwest of Libby.

DRAINAGE AREA.--5.92 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2011 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,020 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are good except for estimated daily discharges, which are fair. U.S. Geological Survey satellite telemeter is located at the station. Several unpublished observations of water temperature and specific conductance were made during the year.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**  
[e, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.66	1.1	e1.4	1.4	1.6	1.2	16	18	5.1	2.8	2.0	1.3
<b>2</b>	0.65	1.0	1.2	1.3	1.4	1.1	18	16	5.1	2.7	1.9	1.2
<b>3</b>	0.66	1.0	1.1	1.2	1.2	1.1	17	15	5.0	2.7	2.0	1.2
<b>4</b>	0.70	1.0	1.1	1.2	1.1	1.4	15	14	4.9	2.8	2.0	1.2
<b>5</b>	0.78	1.0	1.0	1.4	1.1	2.4	14	13	5.2	2.6	1.9	1.2
<b>6</b>	0.98	0.97	1.0	1.5	1.1	2.8	13	12	5.3	2.5	1.8	1.3
<b>7</b>	0.99	0.93	0.98	1.4	1.0	2.0	12	11	5.1	2.4	1.9	1.2
<b>8</b>	0.97	0.90	0.94	1.3	1.0	1.6	12	11	4.8	2.4	1.8	1.2
<b>9</b>	0.96	0.90	0.91	1.2	1.0	1.6	11	11	4.6	2.4	1.8	1.2
<b>10</b>	0.97	0.90	0.90	1.4	1.0	2.0	11	10	4.3	2.4	1.8	1.2
<b>11</b>	1.1	0.93	0.88	1.3	1.0	2.2	12	10	4.1	2.3	1.7	1.1
<b>12</b>	1.3	0.95	0.90	1.3	1.0	2.2	14	9.8	3.9	2.3	1.6	1.1
<b>13</b>	1.2	0.98	0.90	1.2	1.0	2.4	17	9.3	4.3	2.3	1.5	1.1
<b>14</b>	1.2	1.1	0.90	1.2	1.0	2.3	19	8.9	4.3	2.5	1.5	1.1
<b>15</b>	1.2	1.0	0.90	1.2	0.98	2.5	19	8.5	3.9	2.9	1.5	1.1
<b>16</b>	1.1	1.0	0.90	1.1	0.96	3.3	19	8.2	3.7	3.0	1.5	1.0
<b>17</b>	1.1	1.1	0.90	1.2	0.96	2.9	18	7.8	3.6	2.9	1.5	1.0
<b>18</b>	1.1	1.1	0.91	1.2	0.99	2.4	18	7.5	3.5	2.8	1.5	1.0
<b>19</b>	1.1	1.1	0.90	1.4	1.00	2.2	18	7.0	3.4	2.7	1.4	1.0
<b>20</b>	1.1	1.1	0.90	1.4	0.99	e2.1	19	6.6	3.2	2.5	1.4	1.0
<b>21</b>	1.1	1.1	0.88	1.5	0.99	e2.1	22	6.8	3.1	2.5	1.4	0.98
<b>22</b>	1.1	1.3	0.84	1.5	1.2	2.7	23	7.3	3.0	2.4	1.4	0.98
<b>23</b>	1.3	1.7	0.82	1.5	1.4	2.8	26	7.0	3.0	2.4	1.4	1.00
<b>24</b>	1.2	1.9	0.80	1.4	1.2	2.8	31	6.6	2.9	2.3	1.4	1.0
<b>25</b>	1.1	1.9	0.84	1.8	1.2	2.9	34	6.4	2.8	2.3	1.4	0.95
<b>26</b>	1.1	1.7	0.84	1.9	1.1	3.5	32	6.0	3.0	2.2	1.4	0.93
<b>27</b>	1.0	1.6	0.86	1.8	1.1	3.6	29	5.7	3.2	2.2	1.3	0.93
<b>28</b>	1.0	1.6	1.1	1.6	1.2	4.1	24	5.5	3.0	2.2	1.3	0.93
<b>29</b>	1.1	1.5	1.7	1.5	1.2	4.8	21	5.6	2.8	2.1	1.3	0.91
<b>30</b>	1.1	1.4	1.8	1.9	---	8.4	19	5.6	2.7	2.1	1.3	0.90
<b>31</b>	1.1	---	1.7	1.8	---	13	---	5.3	---	2.0	1.3	---
<b>Total</b>	32.02	35.76	31.70	44.0	31.97	92.4	573	282.4	116.8	76.6	48.9	32.21
<b>Mean</b>	1.03	1.19	1.02	1.42	1.10	2.98	19.1	9.11	3.89	2.47	1.58	1.07
<b>Max</b>	1.3	1.9	1.8	1.9	1.6	13	34	18	5.3	3.0	2.0	1.3
<b>Min</b>	0.65	0.90	0.80	1.1	0.96	1.1	11	5.3	2.7	2.0	1.3	0.90
<b>Ac-ft</b>	64	71	63	87	63	183	1,140	560	232	152	97	64

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2012, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	1.03	1.19	1.02	1.42	1.10	2.98	19.1	9.11	3.89	2.47	1.58	1.07
<b>Max</b>	1.03	1.19	1.02	1.42	1.10	2.98	19.1	9.11	3.89	2.47	1.58	1.07
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)
<b>Min</b>	1.03	1.19	1.02	1.42	1.10	2.98	19.1	9.11	3.89	2.47	1.58	1.07
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

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	Water Year 2012		Water Years 2012 - 2012	
<b>Annual total</b>	1,397.76			
<b>Annual mean</b>	3.82		3.82	
<b>Highest annual mean</b>			3.82	2012
<b>Lowest annual mean</b>			3.82	2012
<b>Highest daily mean</b>	34	Apr 25	34	Apr 25, 2012
<b>Lowest daily mean</b>	0.65	Oct 2	0.65	Oct 2, 2011
<b>Annual seven-day minimum</b>	0.77	Oct 1	0.77	Oct 1, 2011
<b>Maximum peak flow</b>	34	Apr 25	34	Apr 25, 2012
<b>Maximum peak stage</b>	2.67	Apr 25	2.67	Apr 25, 2012
<b>Annual runoff (ac-ft)</b>	2,770		2,770	
<b>10 percent exceeds</b>	11		11	
<b>50 percent exceeds</b>	1.5		1.5	
<b>90 percent exceeds</b>	0.95		0.95	

