

## **APPENDIX J**

### **Groundwater and Surface Water**



**TABLE J-1: AESI SURFACE WATER FLOW MONITORING SUMMARY**

Date	S-A	S-B	S-C	S-3	S-D	S-E	S-G	S-J	S-K	S-L	DC-328TH	DC-KUZAK	DC-NOLTE
2/7/23				0.06									
2/8/23	0.11	1.3	0				0.2**				6.6	6.9	5.9
3/8/23	0.14												
3/9/23		1.6	0	0.04							3.7	3.9	3.6

Flow reported in cubic feet per second (cfs).

**LEGEND**

- Flow Sheet or shallow flow; estimated  $\leq 0.02$  cfs
- \*\* Visual estimate
- \* Estimated using float method and theoretical stage height-discharge relationship  
Measurement by swiffer, salt dilution, volume-fill, or weir

**TABLE J-2: DEEP LAKE (DEW2) GAGE MEASUREMENTS**

Date	DEW2 Gage Height	Elevation (NAVD88)	Measurer
9/5/21	0.31	765.79	Other
10/3/21	0.65	766.13	Other
10/5/21	0.66	766.14	AESI
10/10/21	0.70	766.18	AESI
12/10/21	4.75	770.23	AESI
1/13/22	*7.2	772.68	AESI
1/29/22	5.00	770.48	Other
2/24/22	4.47	769.95	AESI
3/22/22	*7.1	772.58	AESI
4/26/22	4.78	770.26	AESI
5/24/22	6.47	771.95	AESI
6/28/22	*6.72	772.20	AESI
7/28/22	2.50	767.98	AESI
8/22/22	1.40	766.88	Other
8/25/22	1.30	766.78	AESI
9/10/22	0.70	766.18	Other
9/11/22	0.66	766.14	Other
9/21/22	0.38	765.86	AESI
9/22/22	0.35	765.83	AESI
9/24/22	0.30	765.78	Other
9/26/22	0.22	765.70	Other
9/30/22	0.15	765.63	Other
10/28/22	*-0.2	765.28	AESI
11/22/22	0.71	766.19	AESI
12/7/22	1.60	767.08	Other
12/28/22	4.25	769.73	AESI
1/29/23	4.14	769.62	Other
2/8/23	3.99	769.47	AESI
3/4/23	4.40	769.88	Other
3/9/23	4.14	769.62	AESI

\* Staff gage limited to 0 to 6.66 feet. Estimated above or below gage.

**TABLE J-3: GREEN RIVER MONTHLY AVERAGE FLOW**

<b>Month</b>	<b>USGS 12106700 (CFS)</b>	<b>USGS 12113000 (CFS)</b>
January	1,660	2,400
February	1,430	2,120
March	1,140	1,730
April	1,280	1,800
May	1,240	1,620
June	724	1,030
July	304	513
August	164	312
September	249	387
October	533	705
November	1,300	1,680
December	1,450	2,050

12106700: GREEN RIVER AT PURIFICATION PLANT NEAR PALMER, WA

(River mile 60.4) Period: 1963-07-01 to 2022-12-31

12113000: GREEN RIVER NEAR AUBURN, WA

(River mile 32.0) Period: 1961-10-01 to 2022-11-30

CFS = cubic feet per second

Figure J-6: Deep Lake Elevation (NAVD88)

