

December 21, 2016 GPS Survey Results

Point Number	NGVD29 ELEVATION	DESCRIPTION	DATE	TIME	Submergence	Submergence Measured From
102	10.68	chum redd 1	12/21/2016	10:30 AM	0.66	Water Surface on top of Upper Break 11.33'
103	9.04	chum redd 2	12/21/2016	10:34 AM	2.30	
104	8.30	chum redd 3	12/21/2016	10:35 AM	3.04	
105	8.86	chum redd 4	12/21/2016	10:37 AM	2.48	
106	9.03	chum redd 5	12/21/2016	10:38 AM	2.31	
107	9.05	chum redd 6	12/21/2016	10:40 AM	2.29	
108	9.42	chum redd 7	12/21/2016	10:40 AM	1.92	Water Surface along Strawberry Island 11.23'
120	8.39	chum Redd Strawberry 1	12/21/2016	11:07 AM	2.83	
121	8.51	chum Redd Strawberry 2	12/21/2016	11:08 AM	2.71	
123	8.96	chum Redd Strawberry 3	12/21/2016	11:13 AM	2.26	
124	9.19	chum Redd Strawberry 4	12/21/2016	11:15 AM	2.03	
125	8.98	chum Redd Strawberry 5	12/21/2016	11:15 AM	2.24	
127	8.65	chum Redd Strawberry 6	12/21/2016	11:19 AM	2.57	

114	8.75	chinook Redd 1	12/21/2016	10:59 AM	2.58	Water Surface on top of Upper Break 11.33'
115	8.85	chinook Redd 2	12/21/2016	10:59 AM	2.48	
116	8.61	chinook Redd 3	12/21/2016	11:00 AM	2.72	
117	9.05	chinook Redd 4	12/21/2016	11:00 AM	2.28	
118	9.52	chinook Redd 5	12/21/2016	11:01 AM	1.81	
128	8.44	Bottom in area of Chinook Redds at the upstream break	12/21/2016	11:23 AM	2.78	Water Surface along Strawberry Island 11.23'

Water Surface Elevations

110	11.34	Water Surface on top of Upper Break	12/21/2016	10:46 AM
111	11.33	Water Surface on top of Upper Break	12/21/2016	10:47 AM
122	11.22	STRAWBERRY WATER SURFACE	12/21/2016	11:12 AM
126	11.23	STRAWBERRY WATER EDGE	12/21/2016	11:16 AM

Notes:

- Bonneville Tailwater as measured at the Tanner Creek Gauge was 12.9 feet for the duration of the survey.
- GPS equipment used produces accuracy to 1 cm