

The Dalles Detection Report for the East (TD1) and North (TD2) Fish Ladder PIT Tag Systems

5/24/13 to 6/06/13

There were a total of 756 PIT tag detections at The Dalles adult fish ladders during the two-week period of May 24 thru June 6, 2013. There were 564 tags detected at the east ladder (TD1) and 192 tags were detected at the north ladder (TD2). Below are separate summaries for each system.

The Dalles East Fish Ladder (TD1) Detection Report

There were 564 unique tags detected at TD1 during the period of May 24 thru June 6, 2013. Unique reads by individual coil are listed in Table 1.

Coil ID	Unique Tags Read per Coil
01	557
02	562
Total Unique Tags Read	564

Table 1 Unique tags read per coil, 5/24/13 to 6/06/13

Estimated detection efficiency for each coil and the overall system during this two week period:

Coil ID	Estimate
01	.9875
02	.9964
Overall	1.000

Table 2 Estimated detection efficiency, 5/24/13 to 6/06/13

Year to date detection efficiency for each coil and the overall system at TD1:

Coil ID	Unique Tag Reads per	Efficiency Estimate
01	2520	.9948
02	2528	.9968
Overall	2535	.9999

Table 3 Year-to-date estimated efficiency

The Dalles North Fish Ladder (TD2) Detection Report

There were 192 unique tag detections at TD1 during the period of May 24 through June 6. Unique reads by individual coil are listed in table 4.

Coil ID	Unique Tags Read per Coil
01	186
02	192
Total Unique Tags Read	192

Table 4 Unique tags read per coil, 5/24/13 to 6/06/13

Estimated detection efficiency for each coil and the overall system during this two week period:

Coil ID	Estimate
01	.9688
02	1.000
Overall	1.000

Table 5 Estimated detection efficiency, 5/24/13 to 6/06/13

Year to date detection efficiency for each coil and the overall system at TD2:

Coil ID	Unique Tag Reads per Coil	Efficiency Estimate
01	588	.9866
02	596	1.000
Overall	596	1.000

Table 6 Year-to-date estimated efficiency

Of the six tags missed on coil 01 during this two week period, five were missed between 6/3/13 at 4:13 pm and 6/4/13 at 8:08 am. During this time period, coil 02 detected 5 tags and coil 01 detected none. Log events by PSMFC personnel indicated high noise and a tuning problem with transceiver 01 and they replaced the transceiver with a spare unit