

Brood Year 2018 Mark Characteristic Report



Prepared for:
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Tacoma Power
Saltwater Park Hatchery
Hoodspoint, WA

Prepared by:
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April 2019

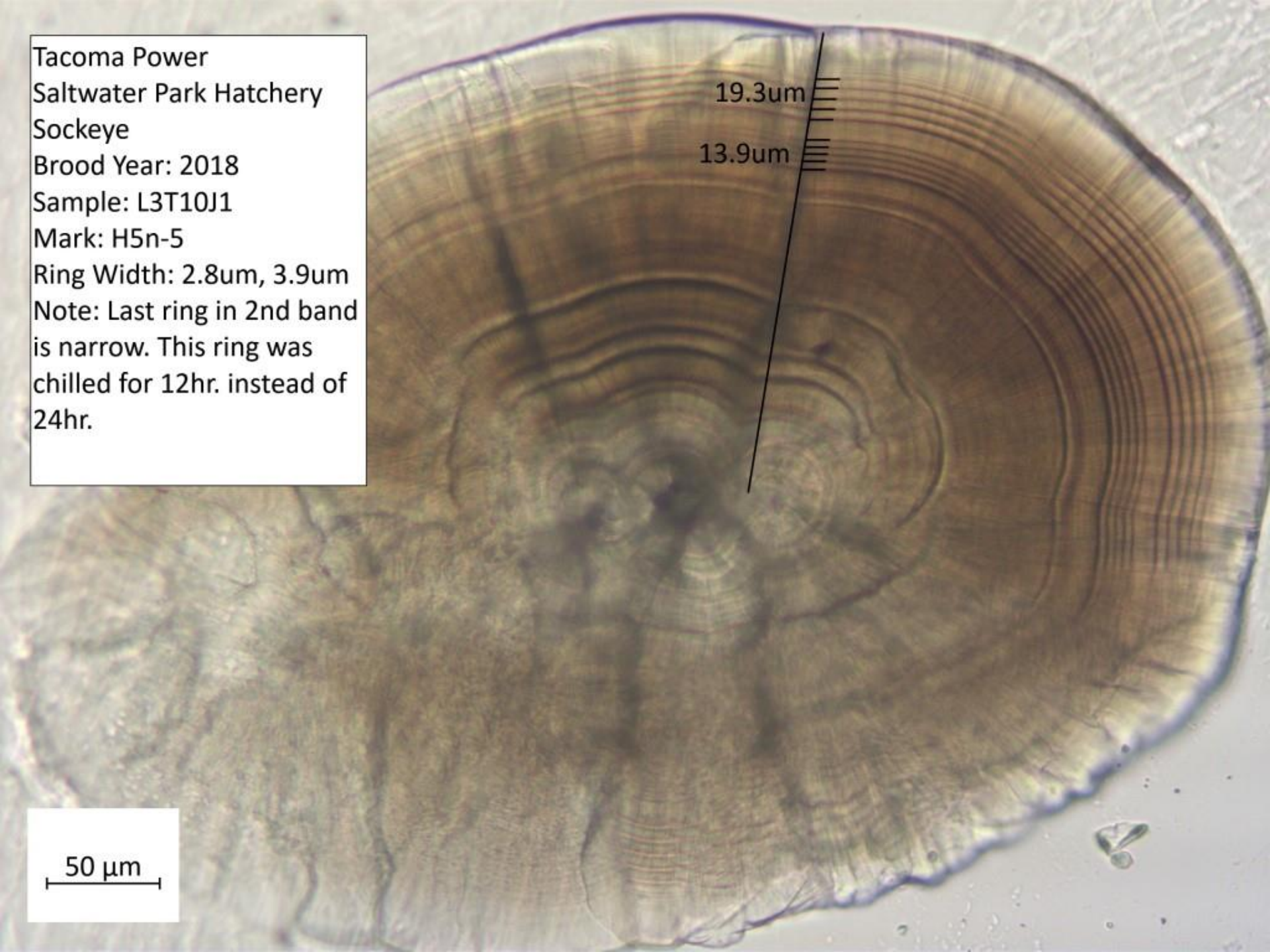
- Agency: Tacoma Power
- Facility: Saltwater Park Hatchery
- Species: Sockeye
- Brood Year: 2018
- Number of fish released by mark pattern:
 - H5n-5: 151,323
 - H3n-3n-3: 247,981
 - H4n-1-3: 49,049
 - H1-2-5n: 51,503
- Ambient water temp: 8°C
- Marking system: Chill 4°C

H5n-5

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L3T10J1
Mark: H5n-5
Ring Width: 2.8um, 3.9um
Note: Last ring in 2nd band
is narrow. This ring was
chilled for 12hr. instead of
24hr.

19.3um
13.9um

50 μm



Tacoma Power
Saltwater Park Hatchery
Sockeye

Brood Year: 2018

Sample: L3T10J2

Mark: H5n-5

Ring Width: 2.5 μ m, 3.0 μ m

Note: Last ring in 2nd band
can fade. This ring was
chilled for 12hr. instead of
24hr.

14.9 μ m

12.3 μ m

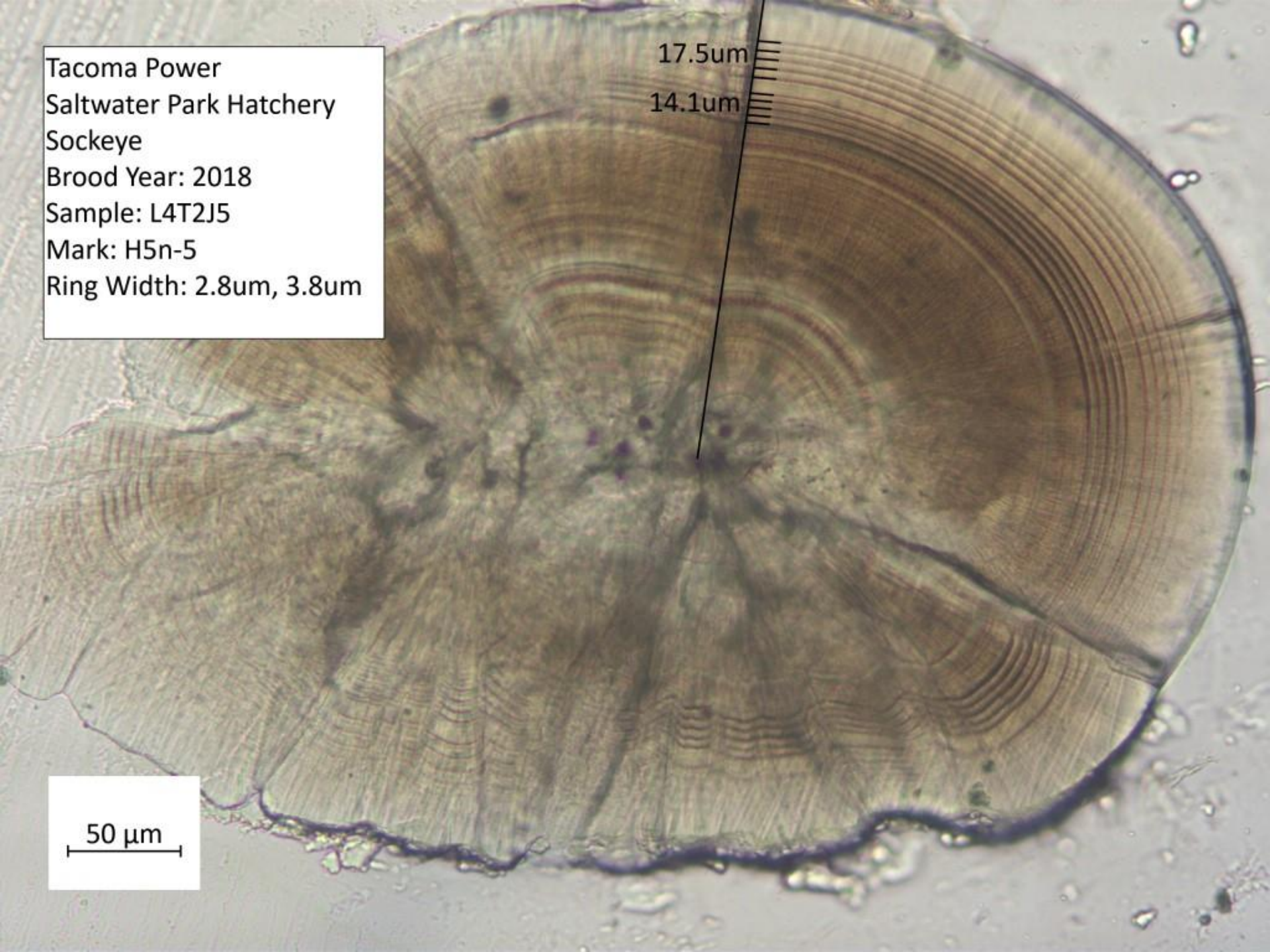
50 μ m

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L4T2J5
Mark: H5n-5
Ring Width: 2.8 μ m, 3.8 μ m

17.5 μ m

14.1 μ m

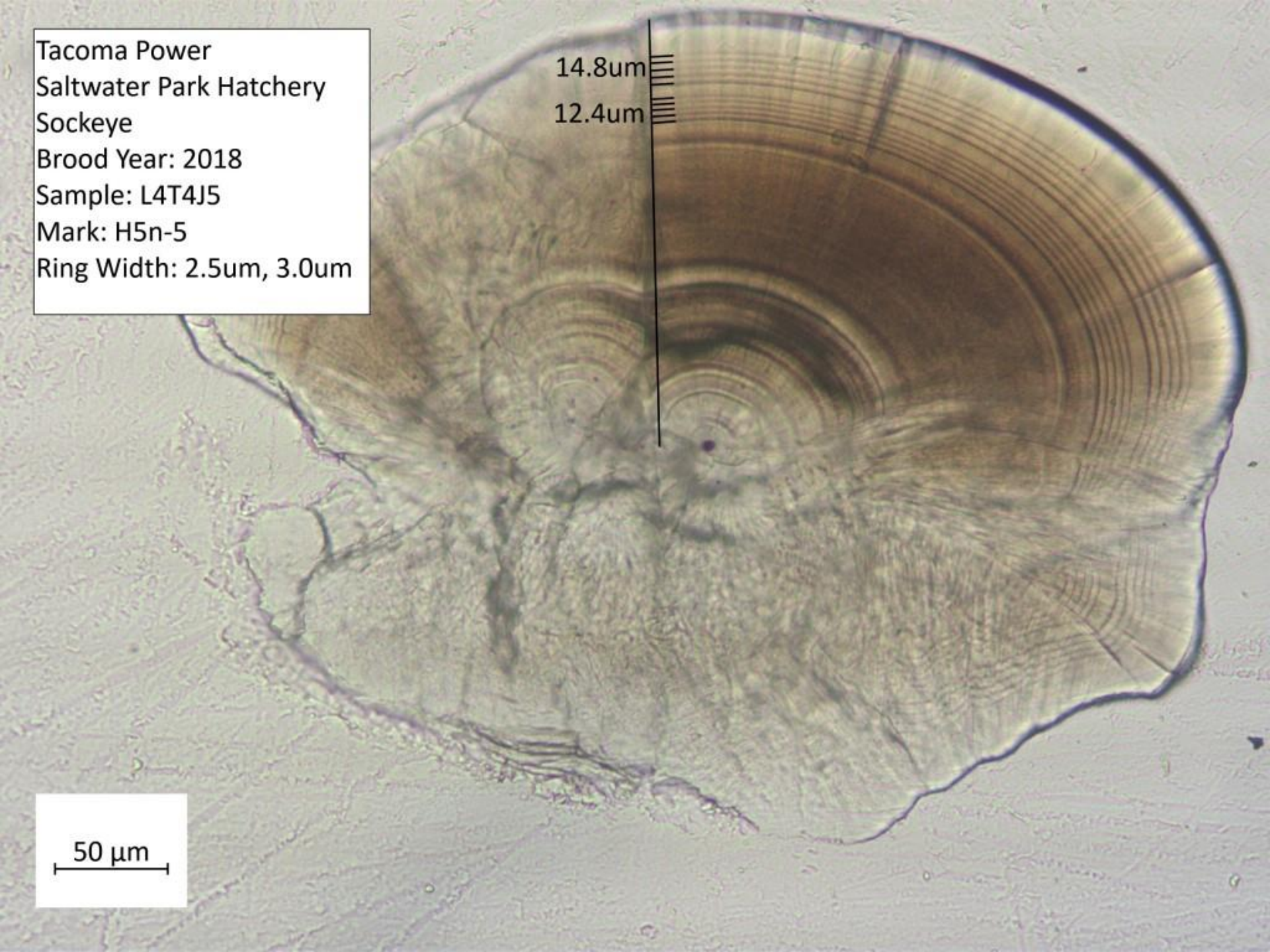
50 μ m



Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L4T4J5
Mark: H5n-5
Ring Width: 2.5 μ m, 3.0 μ m

14.8 μ m
12.4 μ m

50 μ m



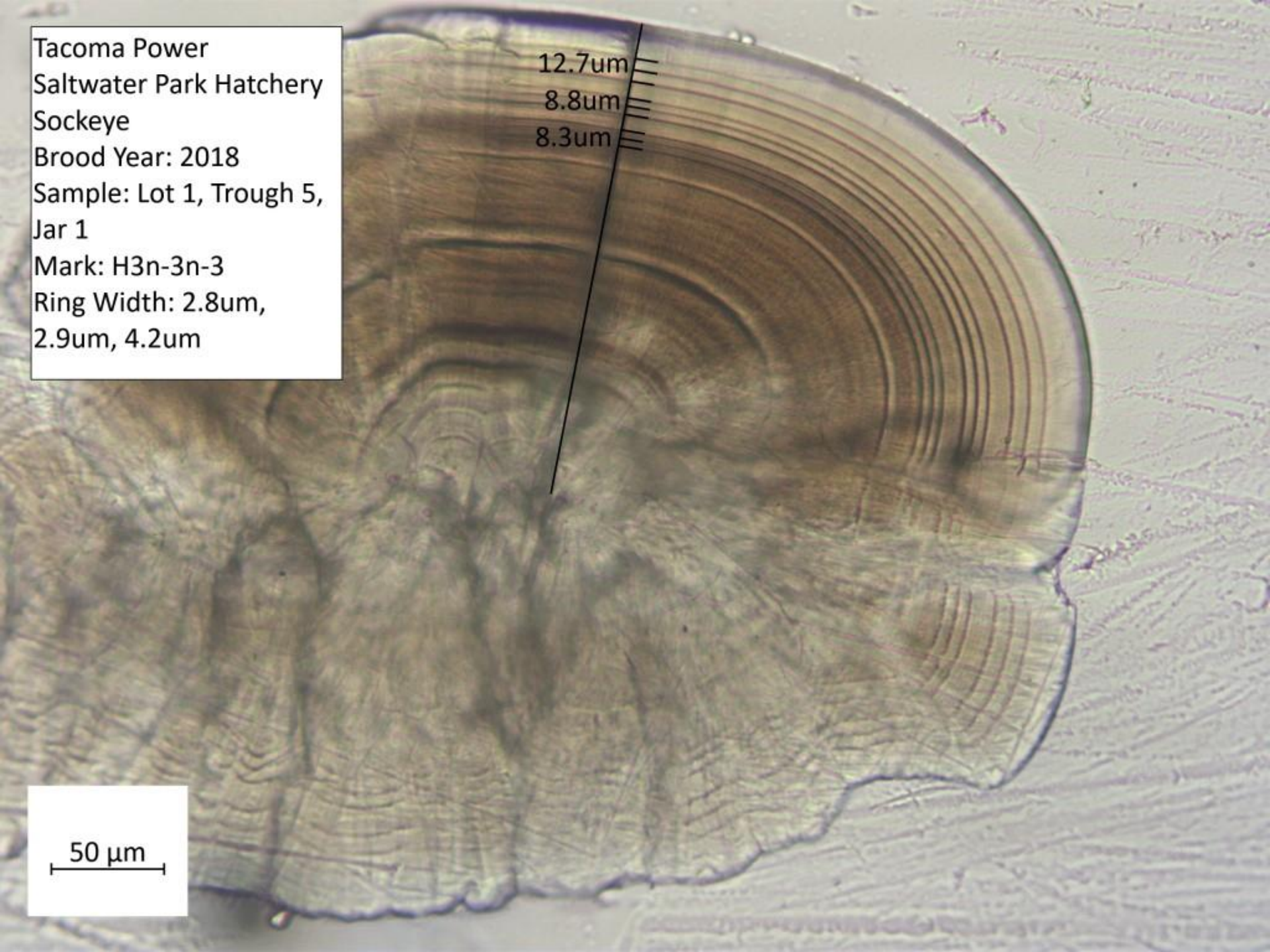
H3n-3n-3

The target mark H3n-3-3w had minimal difference in ring width between first and second band. Therefore, the release mark will be H3n-3n-3

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: Lot 1, Trough 5,
Jar 1
Mark: H3n-3n-3
Ring Width: 2.8um,
2.9um, 4.2um

12.7um
8.8um
8.3um

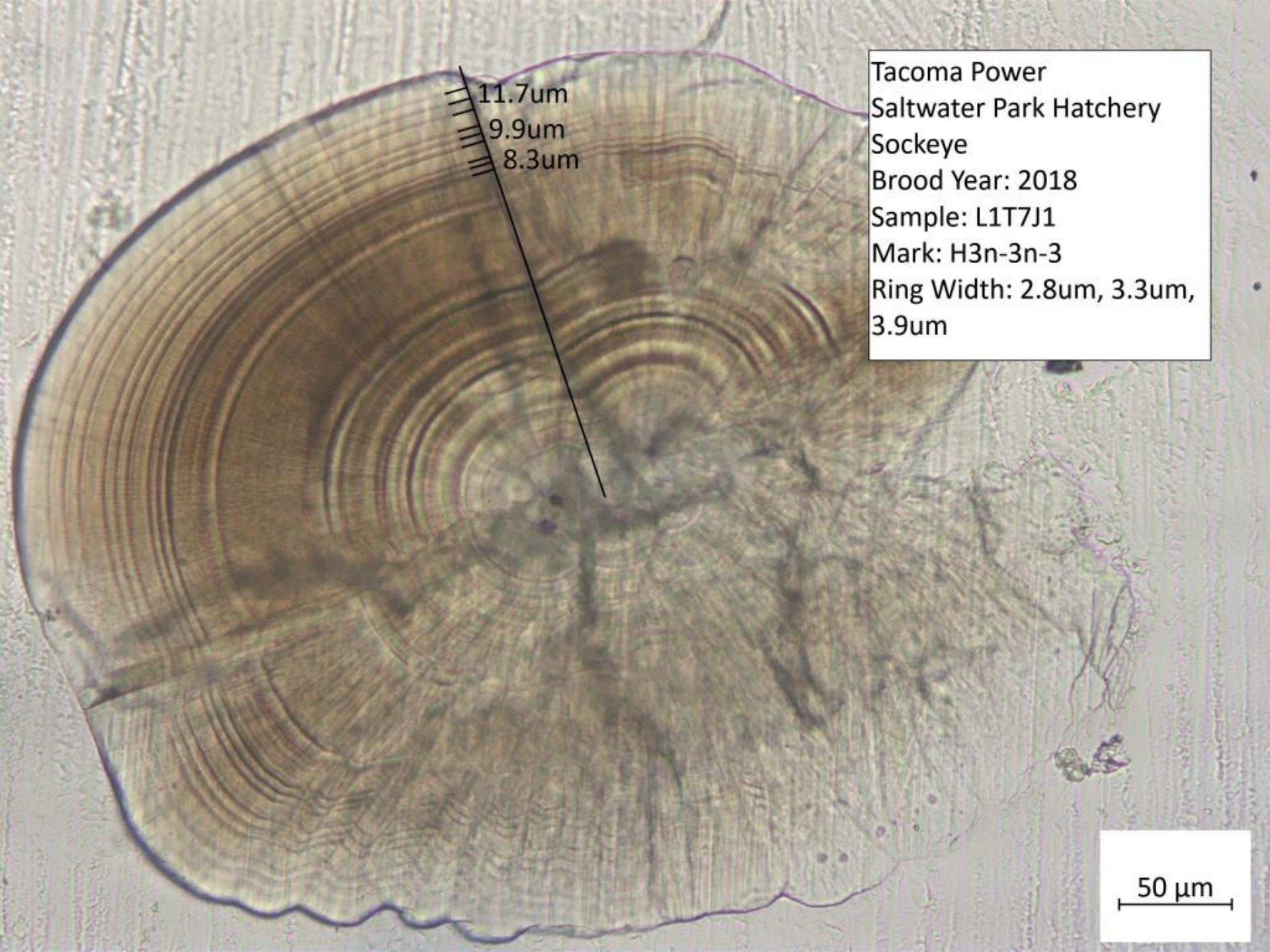
50 μm



Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L1T5J5
Mark: H3n-3n-3
Ring Width: 2.4um,
2.5um, 3.6um

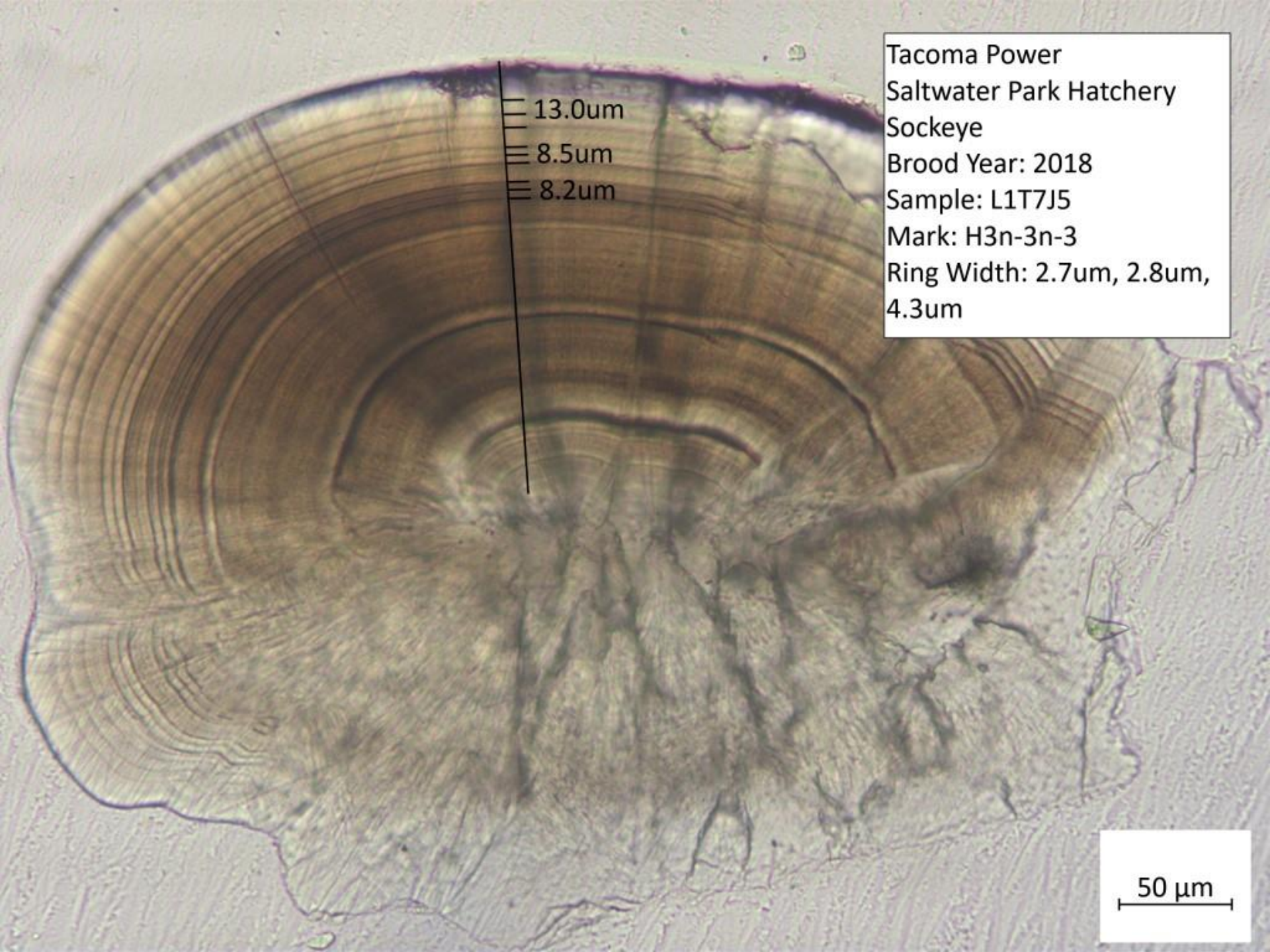
10.8um
7.6um
7.3um

50 μ m



Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L1T7J1
Mark: H3n-3n-3
Ring Width: 2.8um, 3.3um,
3.9um

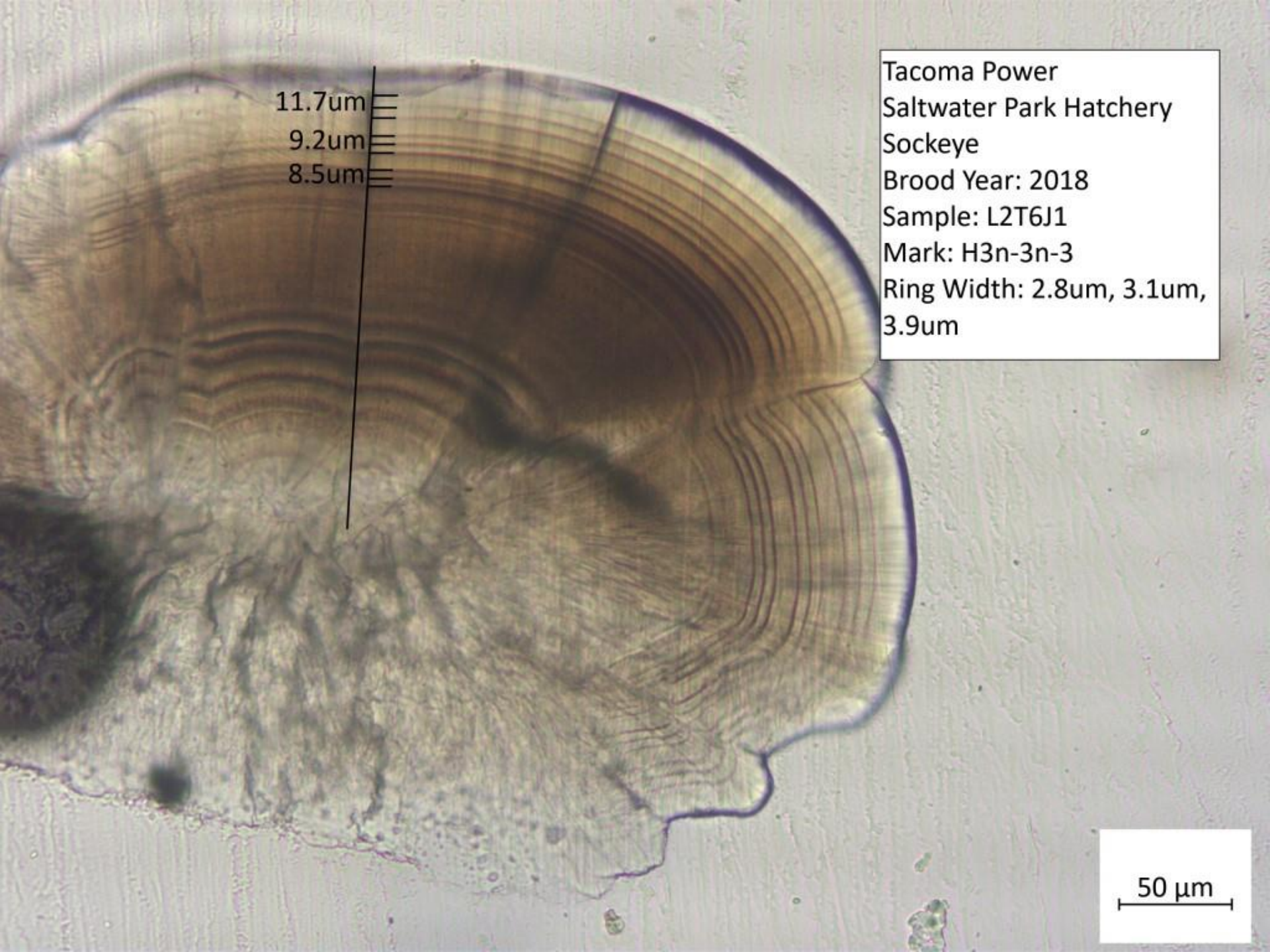
50 μ m



13.0um
8.5um
8.2um

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L1T7J5
Mark: H3n-3n-3
Ring Width: 2.7um, 2.8um,
4.3um

50 μ m



11.7um

9.2um

8.5um

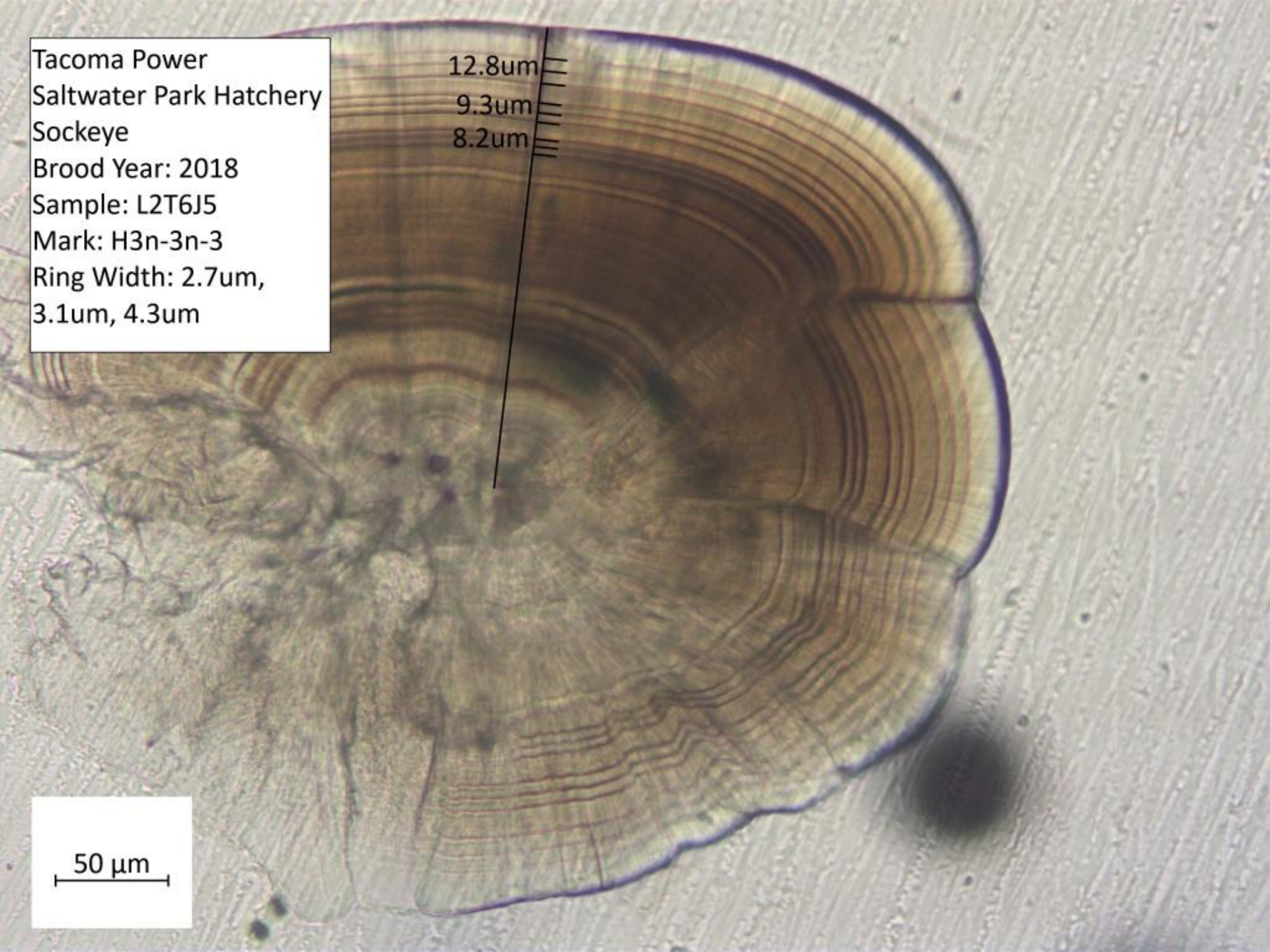
Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L2T6J1
Mark: H3n-3n-3
Ring Width: 2.8um, 3.1um,
3.9um

50 μ m

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L2T6J5
Mark: H3n-3n-3
Ring Width: 2.7um,
3.1um, 4.3um

12.8um
9.3um
8.2um

50 μm



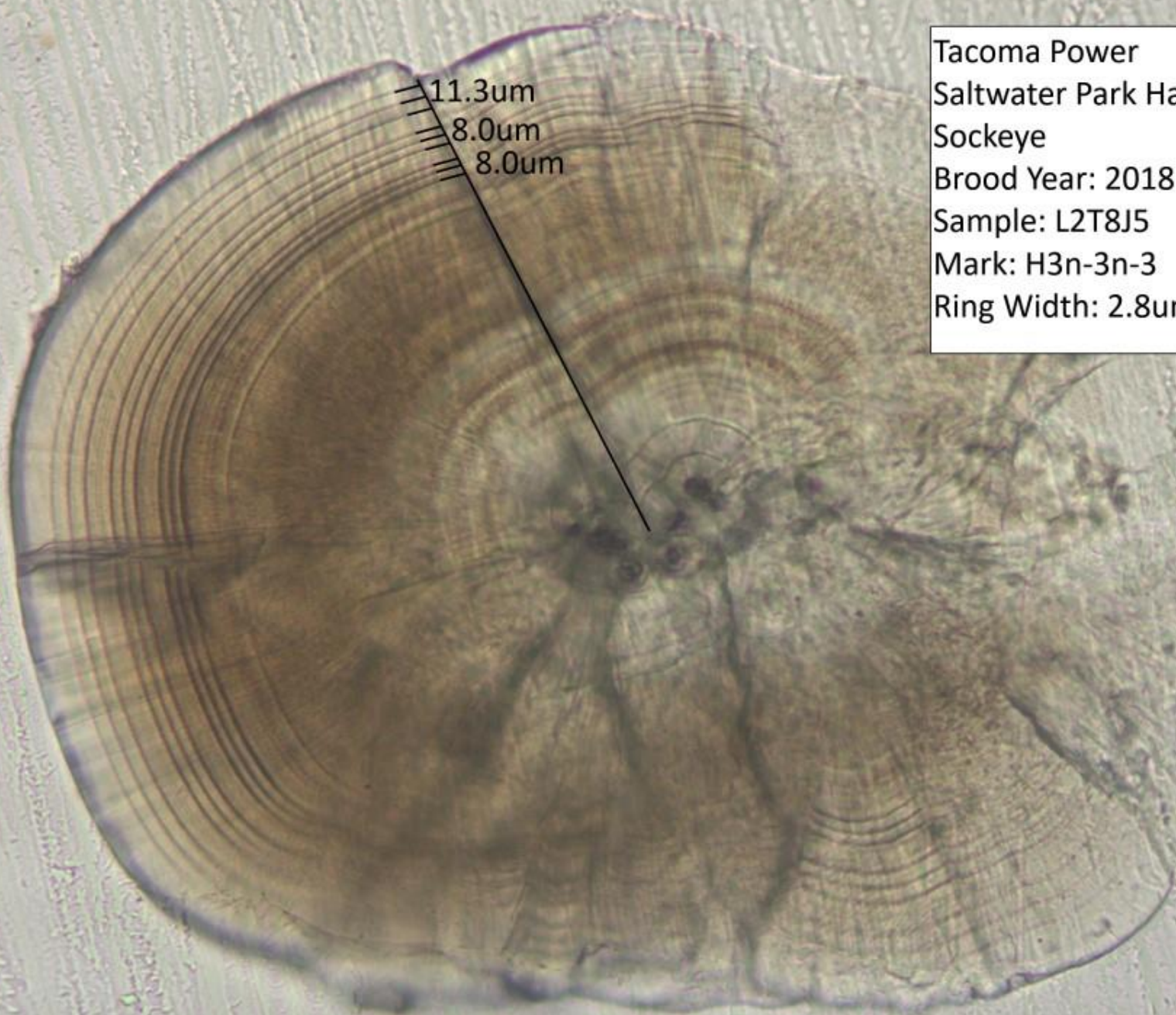
Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L2T8J1
Mark: H3n-3n-3
Ring Width: 2.7um,
3.1um, 4.0um

12.1um

9.3um

8.0um

50 μm



11.3um
8.0um
8.0um

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L2T8J5
Mark: H3n-3n-3
Ring Width: 2.8um, 2.8um, 3.8um

50 μm

H4n-1-3

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L3T1J5
Mark: H4n-1-3
Ring Width: 2.6um, 3.7um

11.1um

10.5um

50 μm

H1-2-5n

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2018
Sample: L3T3J5
Mark: H1-2-5n
Ring Width: 3.1um,
2.3um

11.6um
6.2um

50 μm

