

Brood Year 2017 Mark Characteristic Report



Prepared for:
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- Agency: Tacoma Power
- Facility: Saltwater Park Hatchery
- Species: Sockeye
- Brood Year: 2017
- Number of fish released by mark pattern:
 - H5n-3 : 154,699
 - H3-4n: 232,739
 - H3n-1-2-1: 47,577
 - H2-3n-2: 50746
- Ambient water temp: 8°C
- Marking system: Chill 4°C

H5n-3

[illegible]

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H5n-3
Ring Width: 2.6um, 3.1um

9.2um
13.1um

50 μm

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H5n-3
Ring Width: 2.7um,
3.1um

9.4um
13.4um

50 μ m

H3-4n

[illegible]

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H3-4n
Ring Width: 3.2um, 1.9um
Note: Unusually narrow
bands for 48 & 24 hr spacing
between rings.

≡ 7.6um
≡ 9.5um

50 μ m

Tacoma
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H3-4n
Ring Width: 3.3um, 1.7um

6.9um
10um

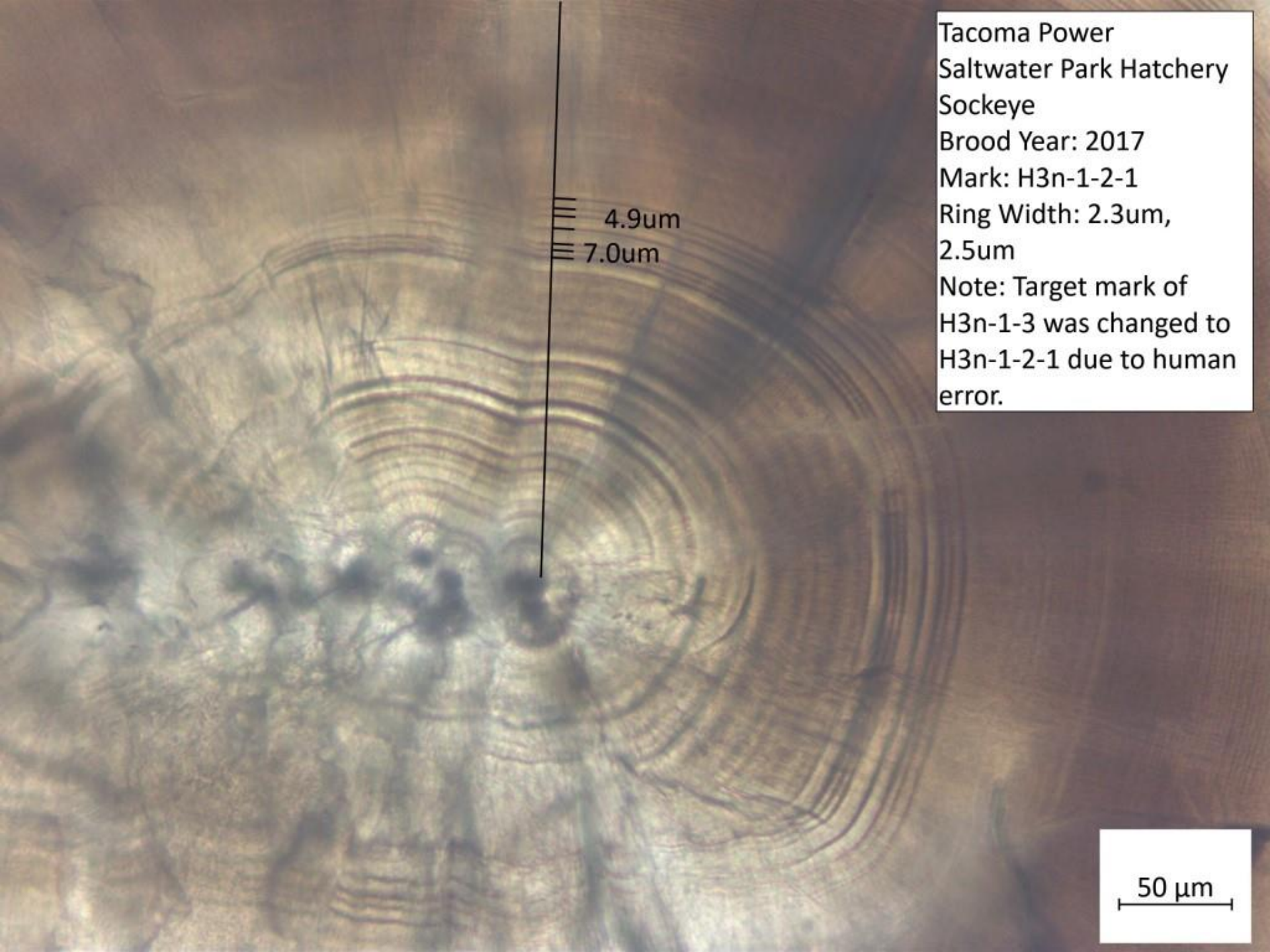
50 μ m

H3n-1-2-1

Release Time: April/May Smolt																											
Release Location: Lake																											
H3n-1-2-1																											
HATCH	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24

The target mark H3n-1-3 had an additional 24hr. spacing between the last two rings in the last band due to a computer programming error. Therefore, the release mark will be H3n-1-2-1

Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H3n-1-2-1
Ring Width: 2.3um,
2.5um
Note: Target mark of
H3n-1-3 was changed to
H3n-1-2-1 due to human
error.



4.9um
7.0um

50 μ m

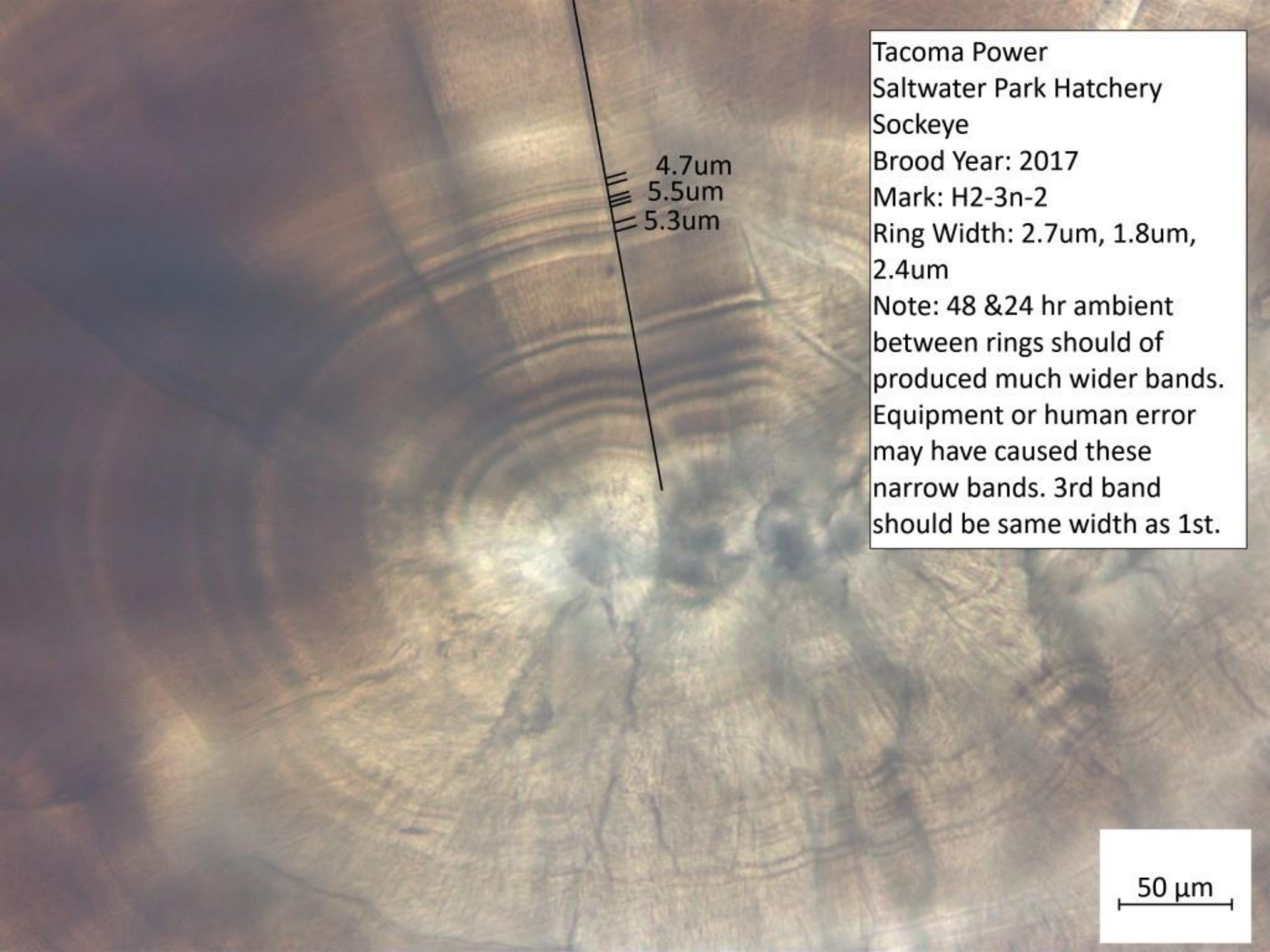
Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Target Mark: H3n-1-3
Actual Mark: H3n-1-2-1
Ring Width: 2.4 μ m, 2.9 μ m
Note: Human Error caused
variant mark

5.7 μ m
7.1 μ m

50 μ m

H2-3n-2

[illegible]



Tacoma Power
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H2-3n-2
Ring Width: 2.7um, 1.8um,
2.4um
Note: 48 & 24 hr ambient
between rings should of
produced much wider bands.
Equipment or human error
may have caused these
narrow bands. 3rd band
should be same width as 1st.

50 μm

Tacoma
Saltwater Park Hatchery
Sockeye
Brood Year: 2017
Mark: H2-3n-2
Ring Width:
2.8um,1.7um,2.4um

4.7um
5.2um
5.6um

50 μ m