



2020 CHC Project Review

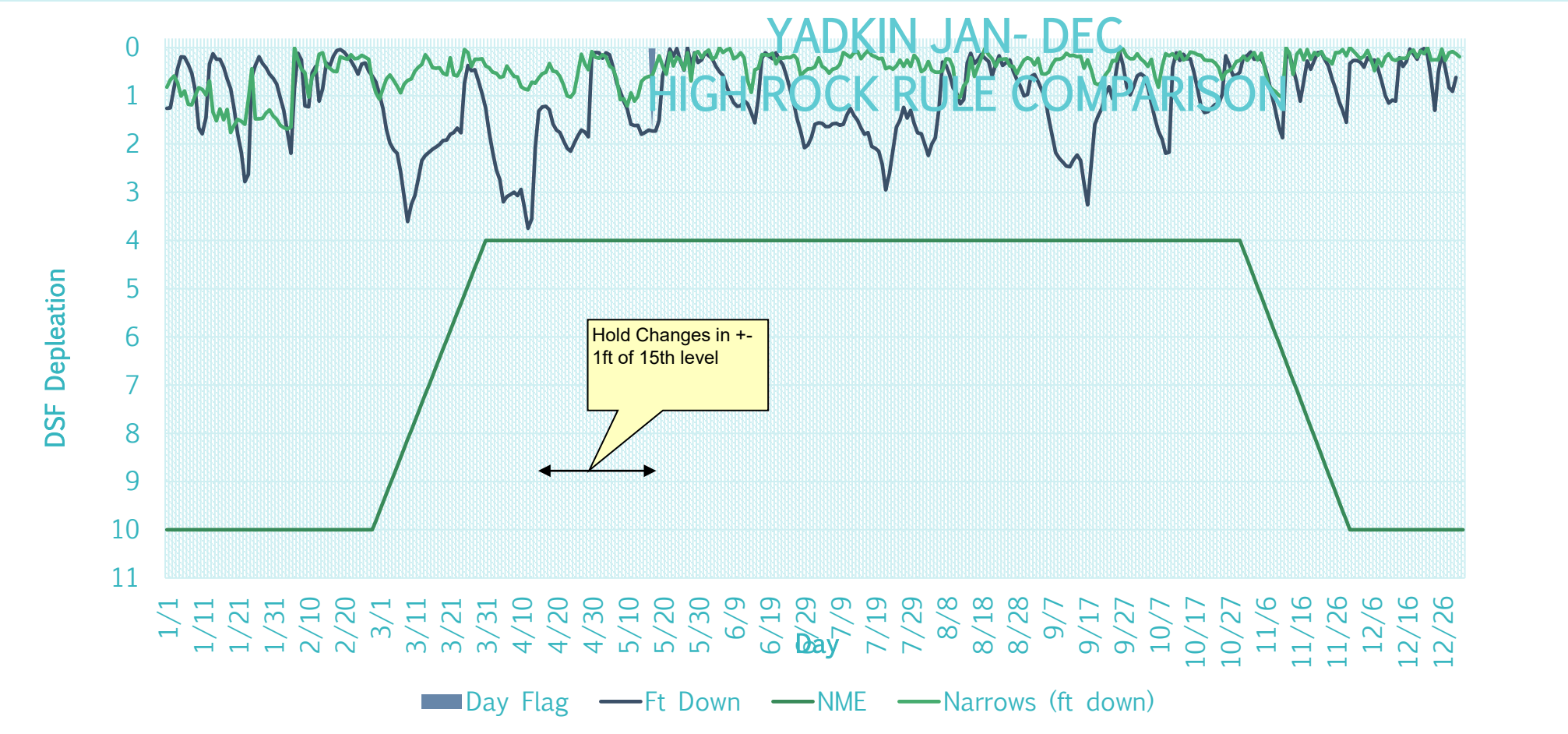
Timothy Poole, Chief Power System Operator
Cube Hydro Carolinas, LLC

Streamflow 2020

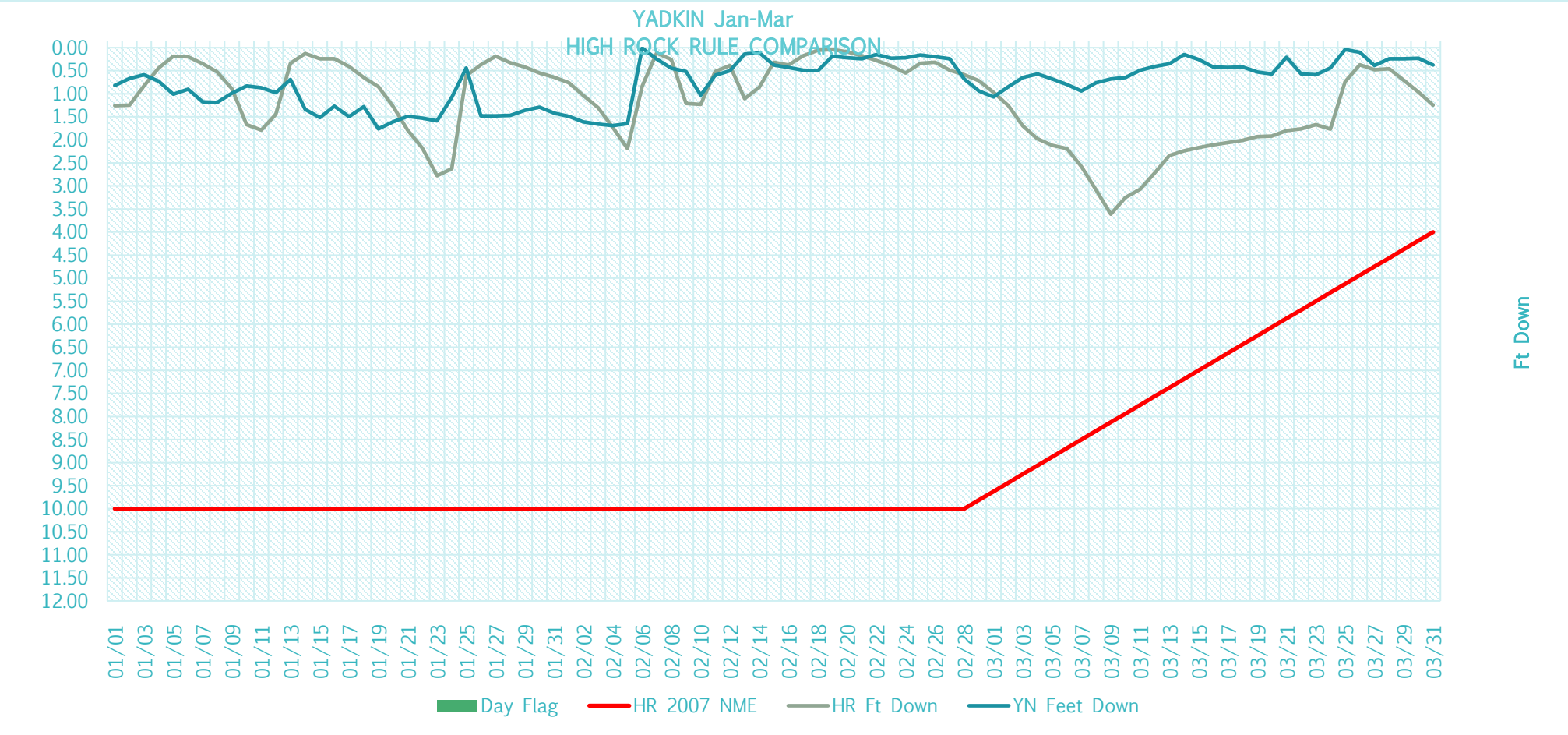
- Q1 inflow avg 197% of median
- Q2 inflow avg 218% of median
- Q3 inflow avg 204% of median
- Q4 inflow avg 311% of median

- Expected mean avg for 2020 = 4,108 cfs
- Actual daily avg for 2020 = 9,503 cfs

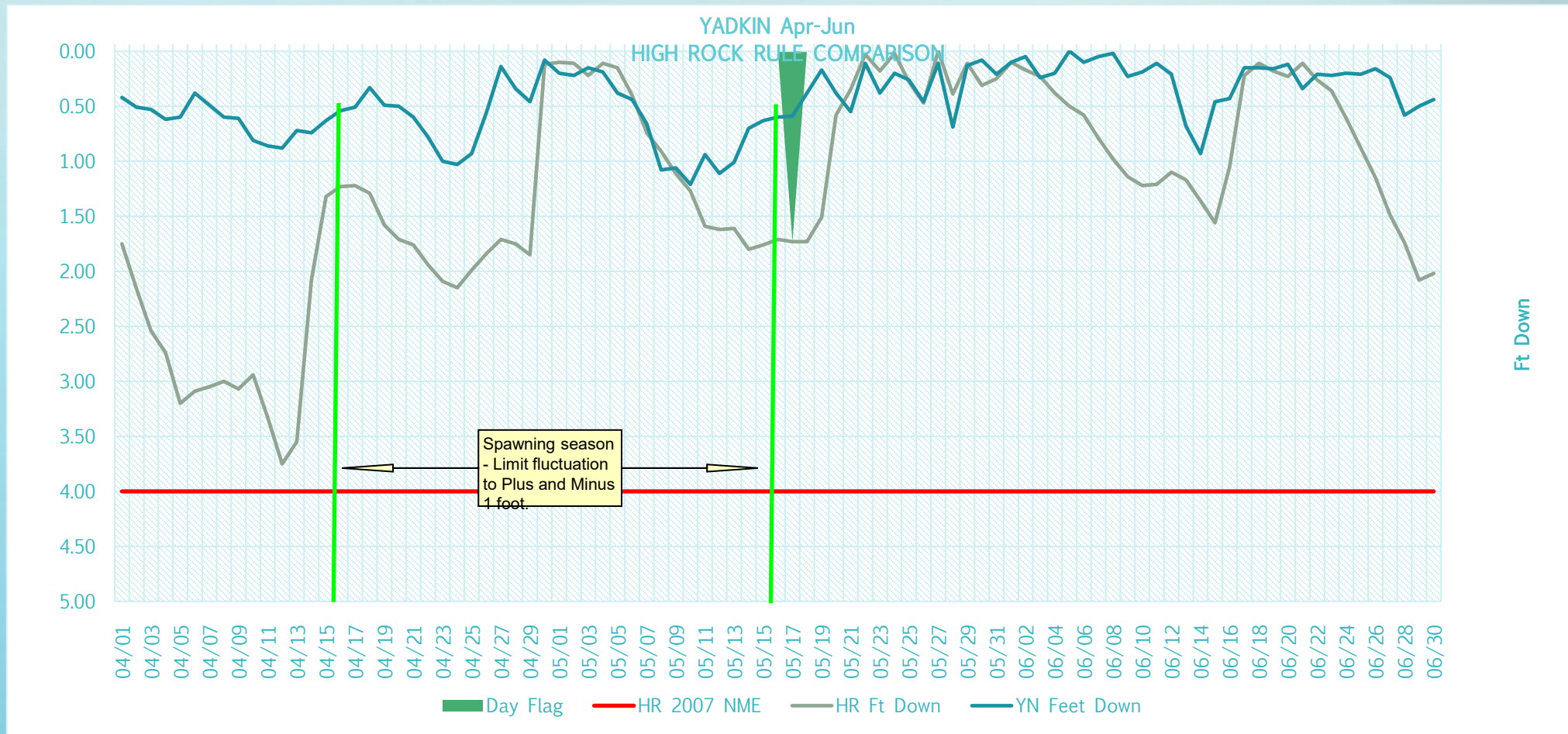
2020 Lake Levels



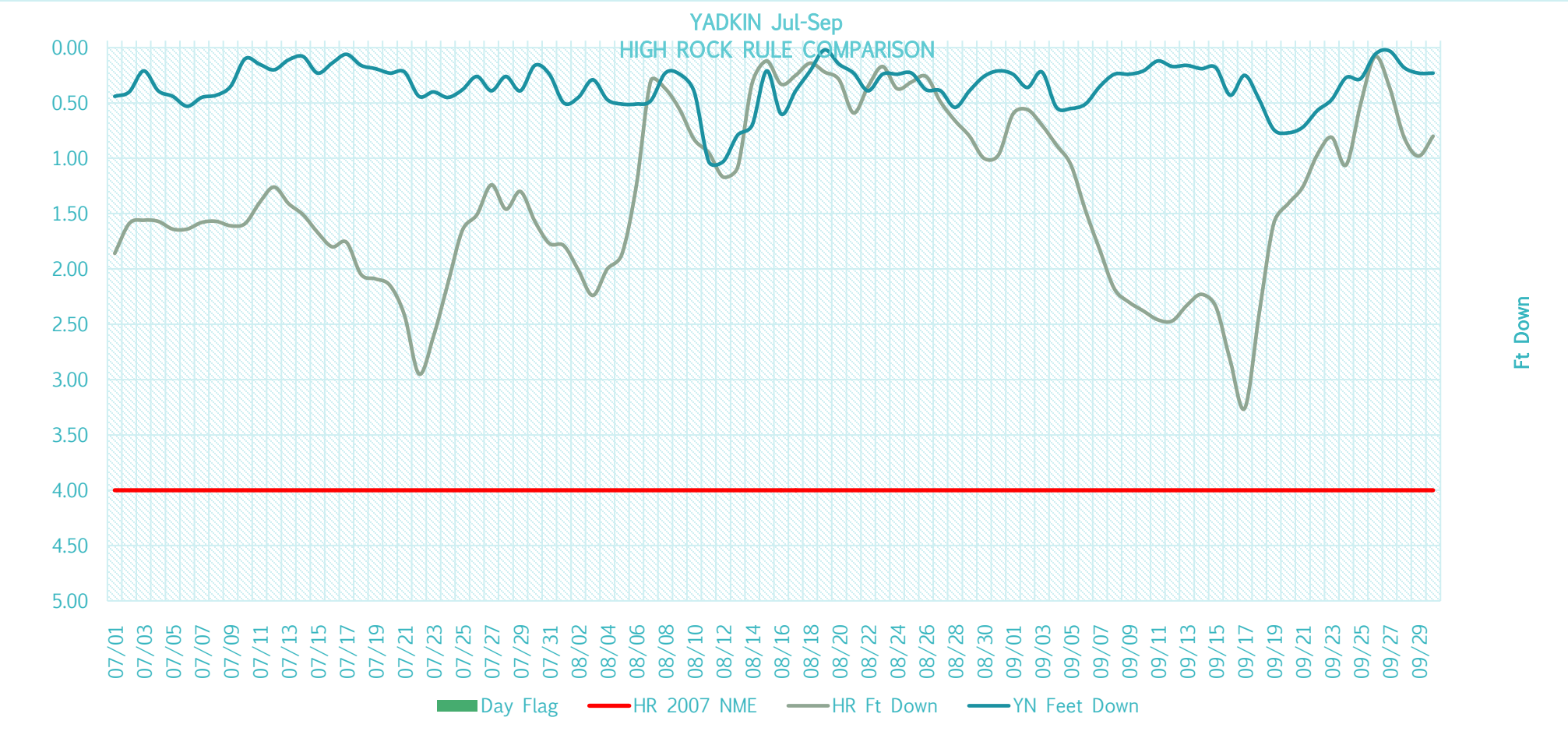
Q1 2020 Lake Levels



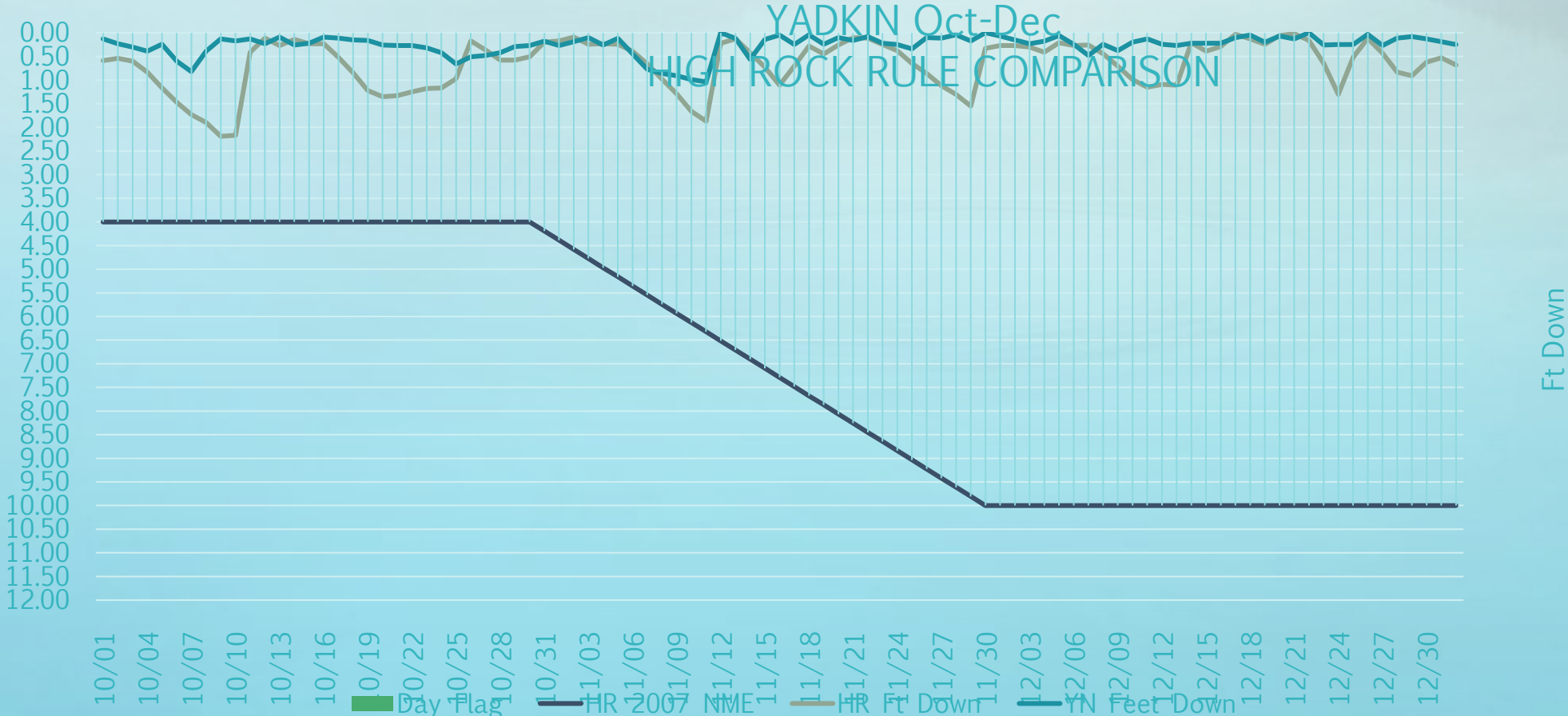
Q2 2020 Lake Levels



Q3 2020 Lake Levels



Q4 2020 Lake Levels



Summary

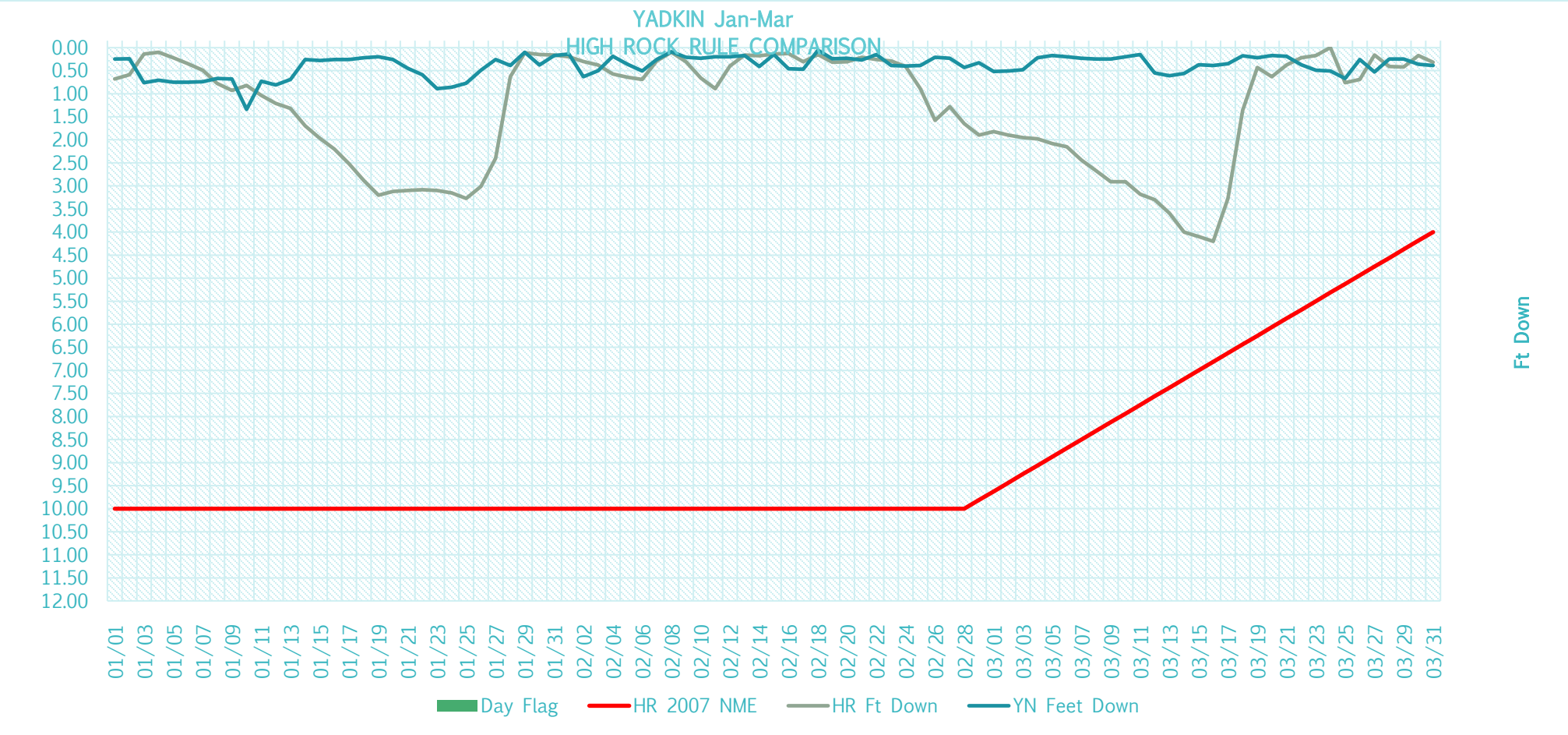
- CHC Yadkin project did not enter low inflow protocol in 2020.
- CHC Yadkin did not have any rule curve deviation in 2020.
- Project gross generation output in 2020 was ~162% of projection.
- Fish spawn enhancement period completed within spawning limits.
- No violations of the daily minimum streamflow.

2020 System Summary

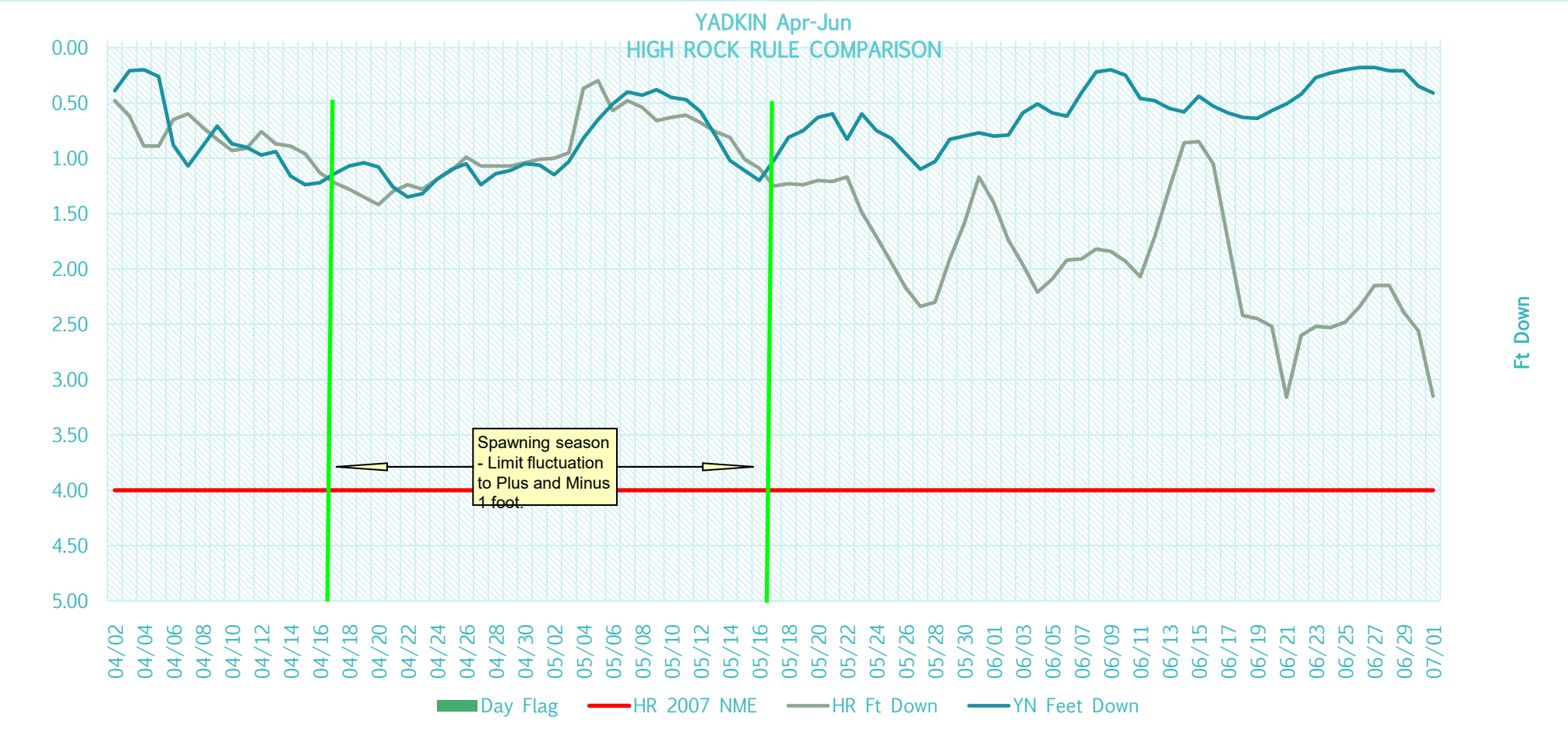
- Q1/Q2 inflow totals exceeded 205% of normal
- 132 days bypass operations during Q1/Q2
- Spawning minimal elevation levels for 2020 were as follows:

High Rock	651.00 (4 ft below full)
Tuckertown	593.75 (2.25 ft below full)
Narrows	539.38 (1.72 ft below full)
Falls	362.15 (1.85 ft below full)
- Note: All Reservoirs are well above the minimum at this time.

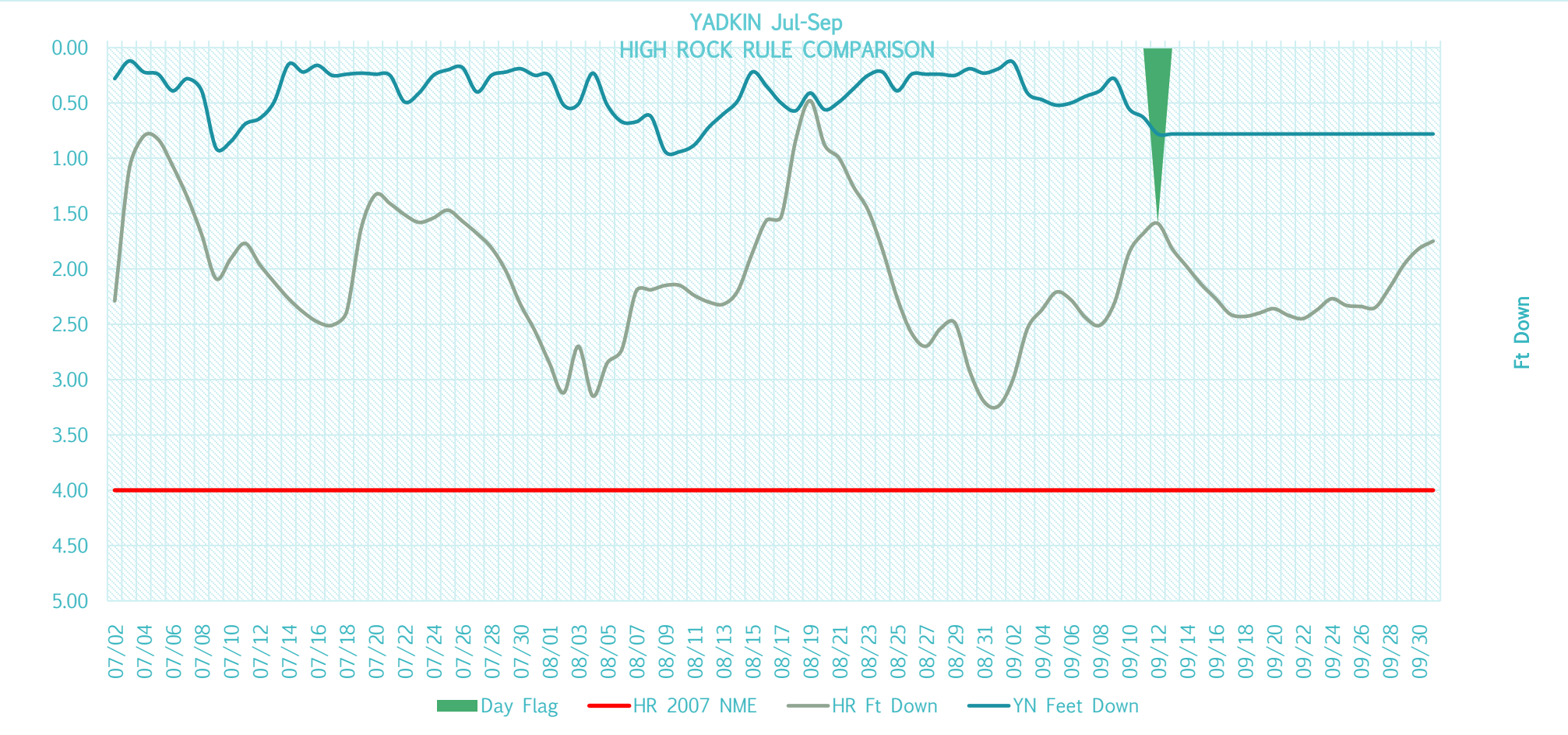
Q1 2021 Lake Levels



Q2 2021 Lake Levels



Q3 2021 Lake Levels



2021 System Summary

- Inflow totals for 2021 have averaged 145 % over normal.
- No reservoir level violations for the 2021 spawning period.
- No reservoir rule curve level violations.
- No daily stream flow average discharge violations.
- Current daily inflow averages are approximately 80 % of normal.

Questions??

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