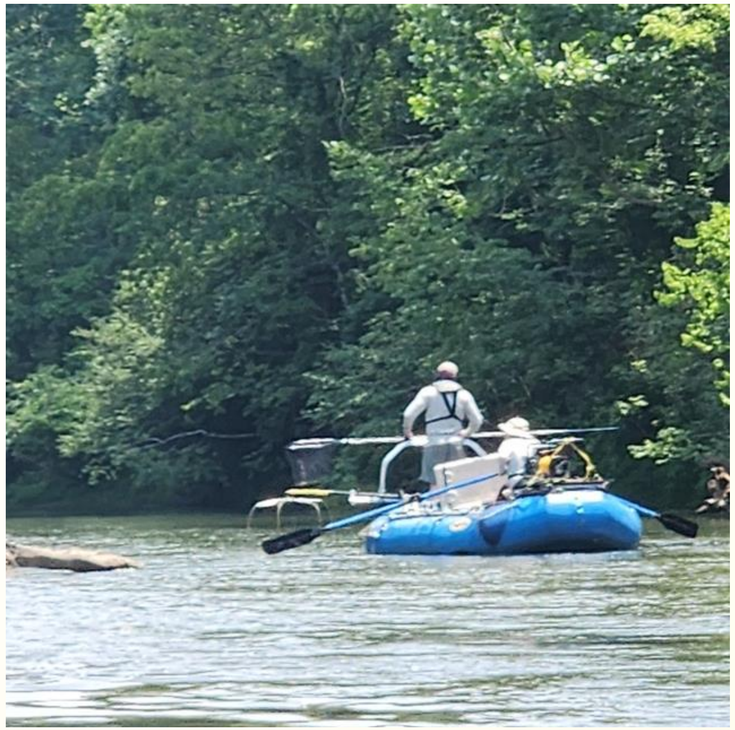
Smith River Trout Fishery 2025

VIRGINIA DWR

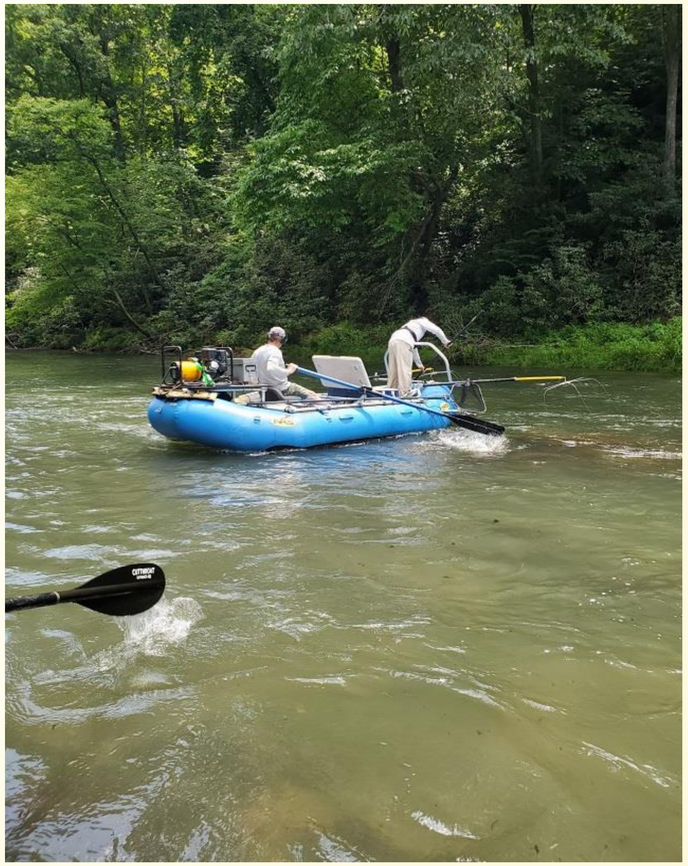
CONSERVE. CONNECT. PROTECT.

Smith River 2025

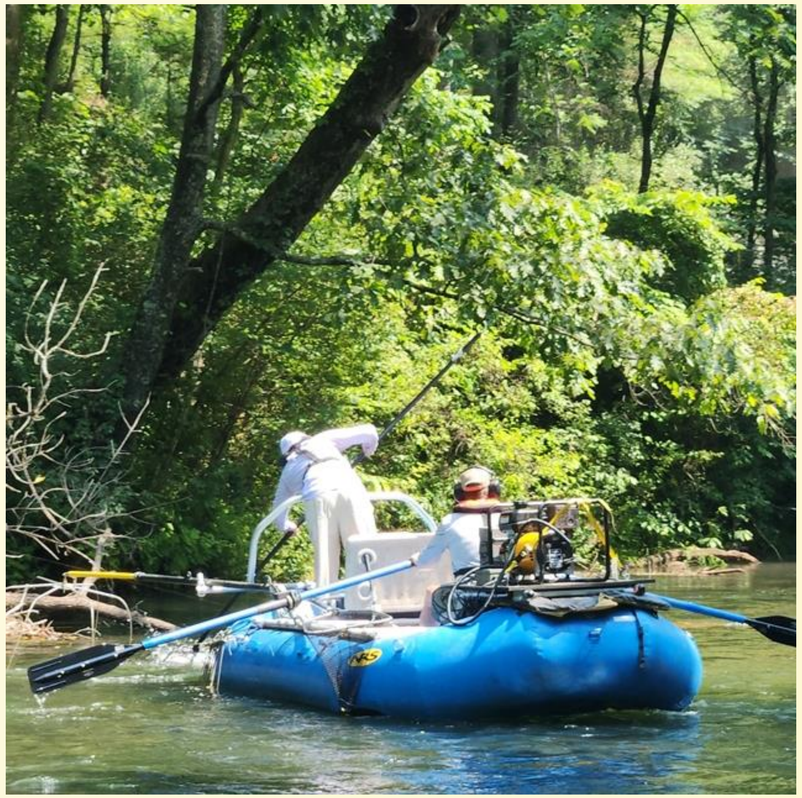


Sampling Sites 2025

Above Martinsville Dam



Below Martinsville Dam

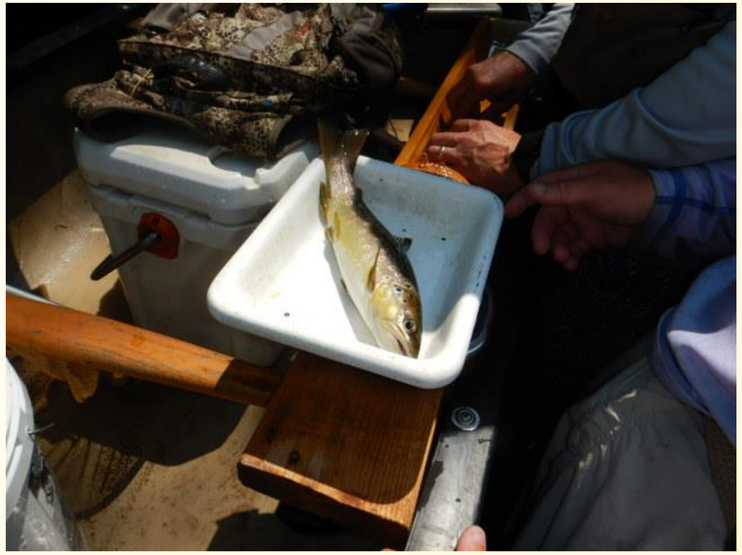


Philpott Dam – Martinsville Dam 2025

	Sampling Distance			
Site	River Length (Km)	Sample Time (hr)	Gear Type	Sample Dates
Dam to Bassett	9.42	3.05	Raft Electrofisher	7/9/2025
Bassett to Great Road	8.2	2.37	Raft Electrofisher	6/25/2025
Doe Run	4	1.22	Boat Electrofisher	6/5/2025

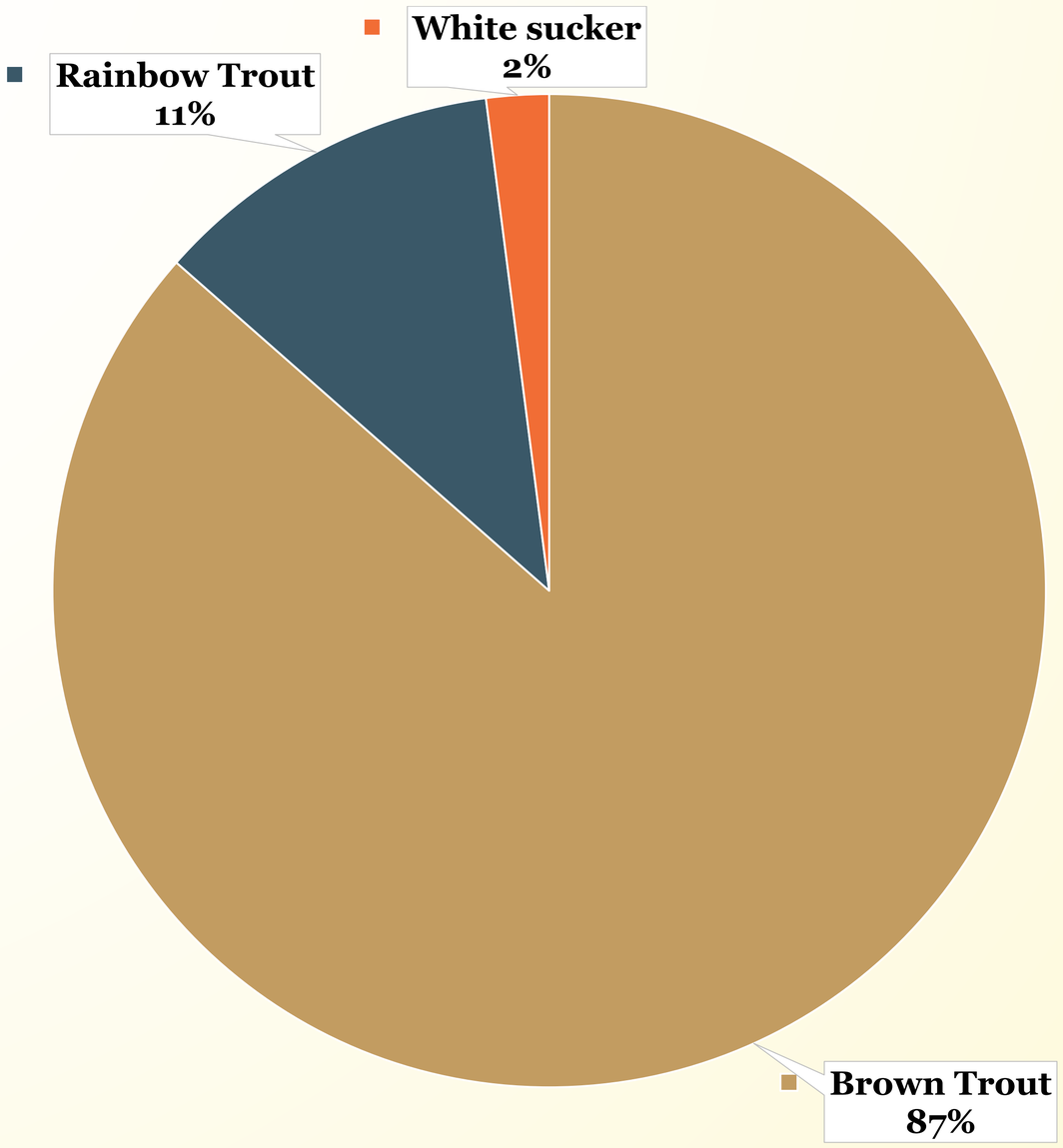
Totals 9.8 **miles** 6.6 **hrs**

Data Collection 2025



natural persons, legal persons,.

Collection Stats 2025 (N=1621)



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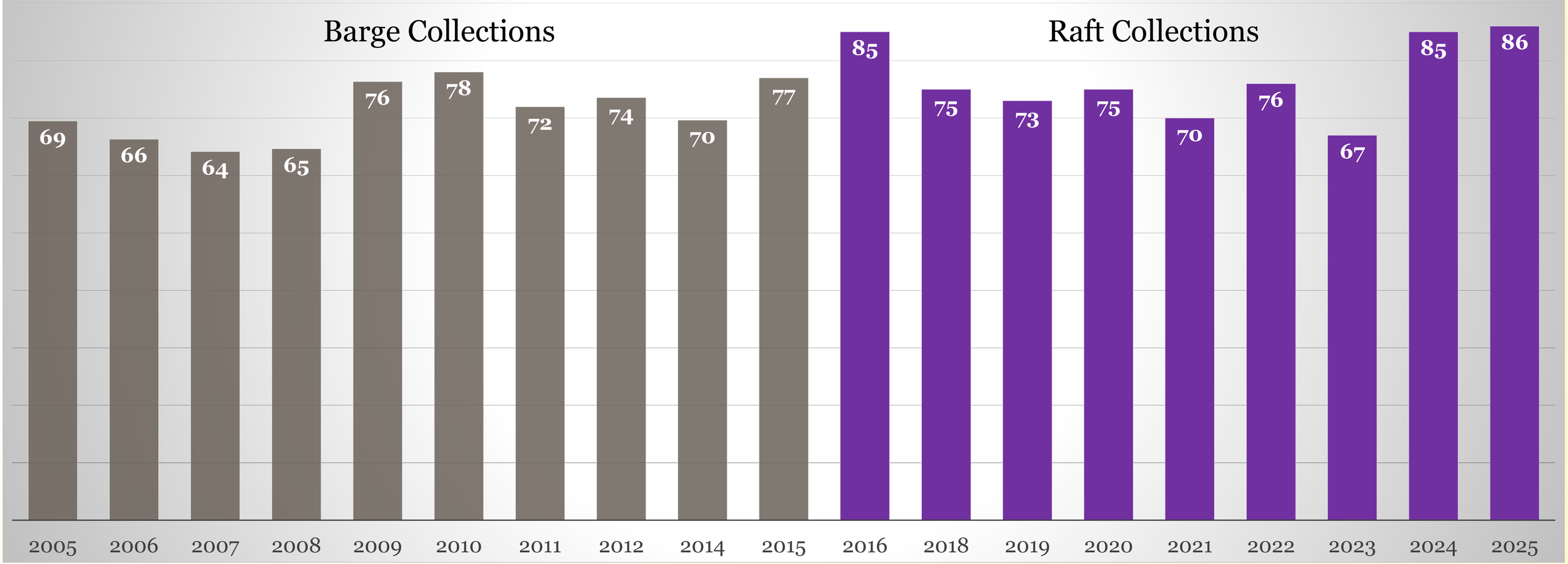
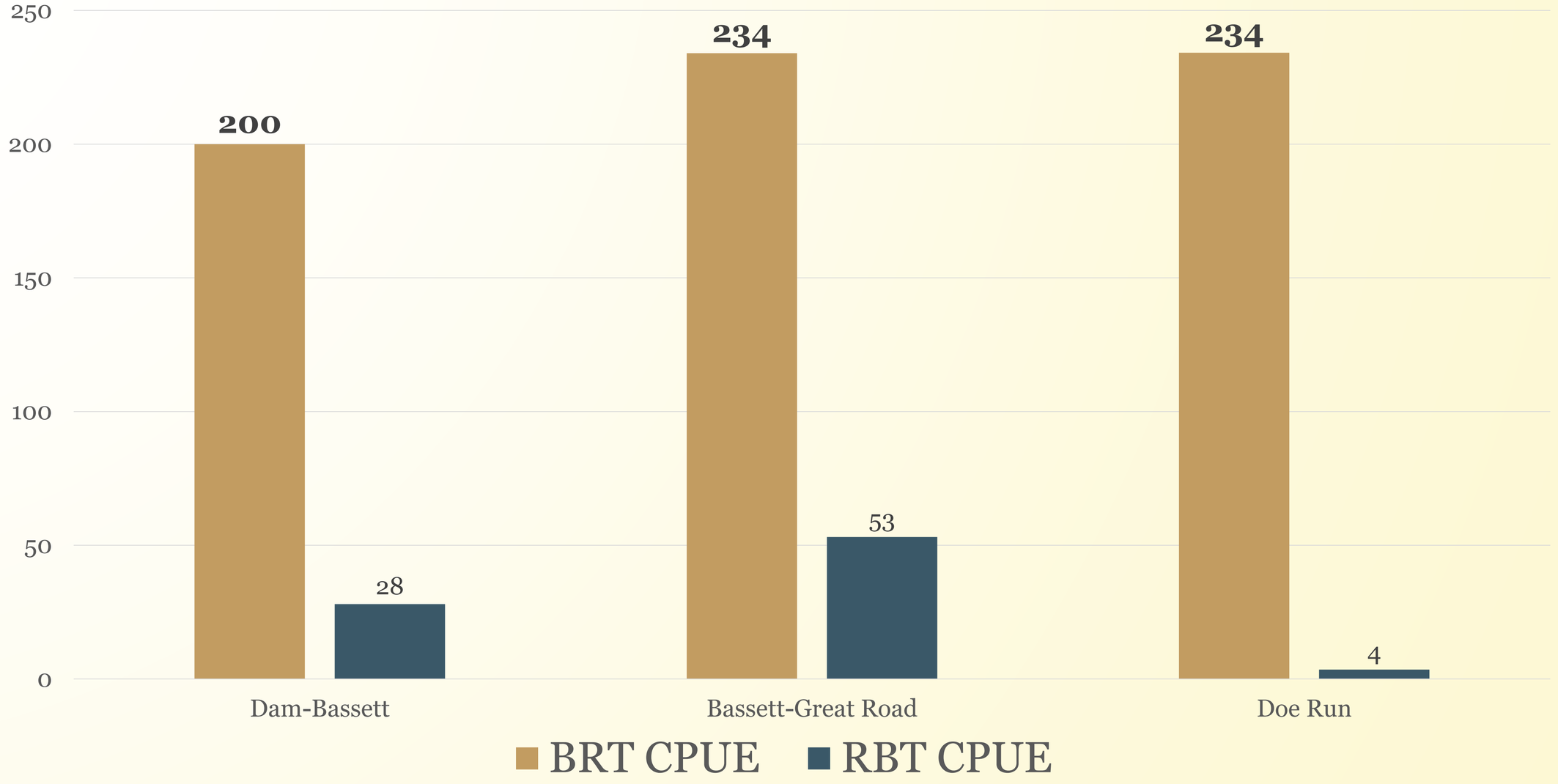
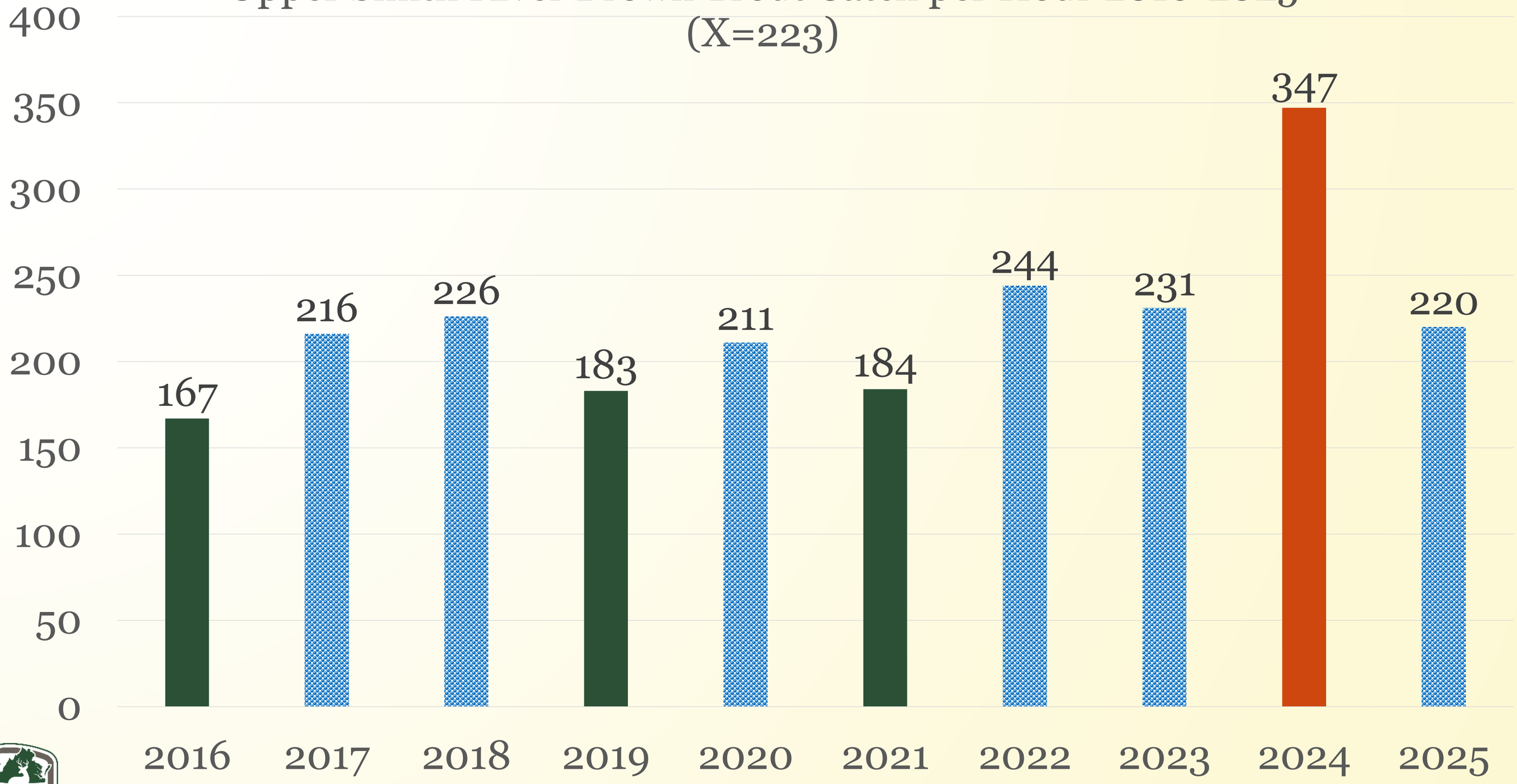
% Brown Trout in Sample 2005-2025

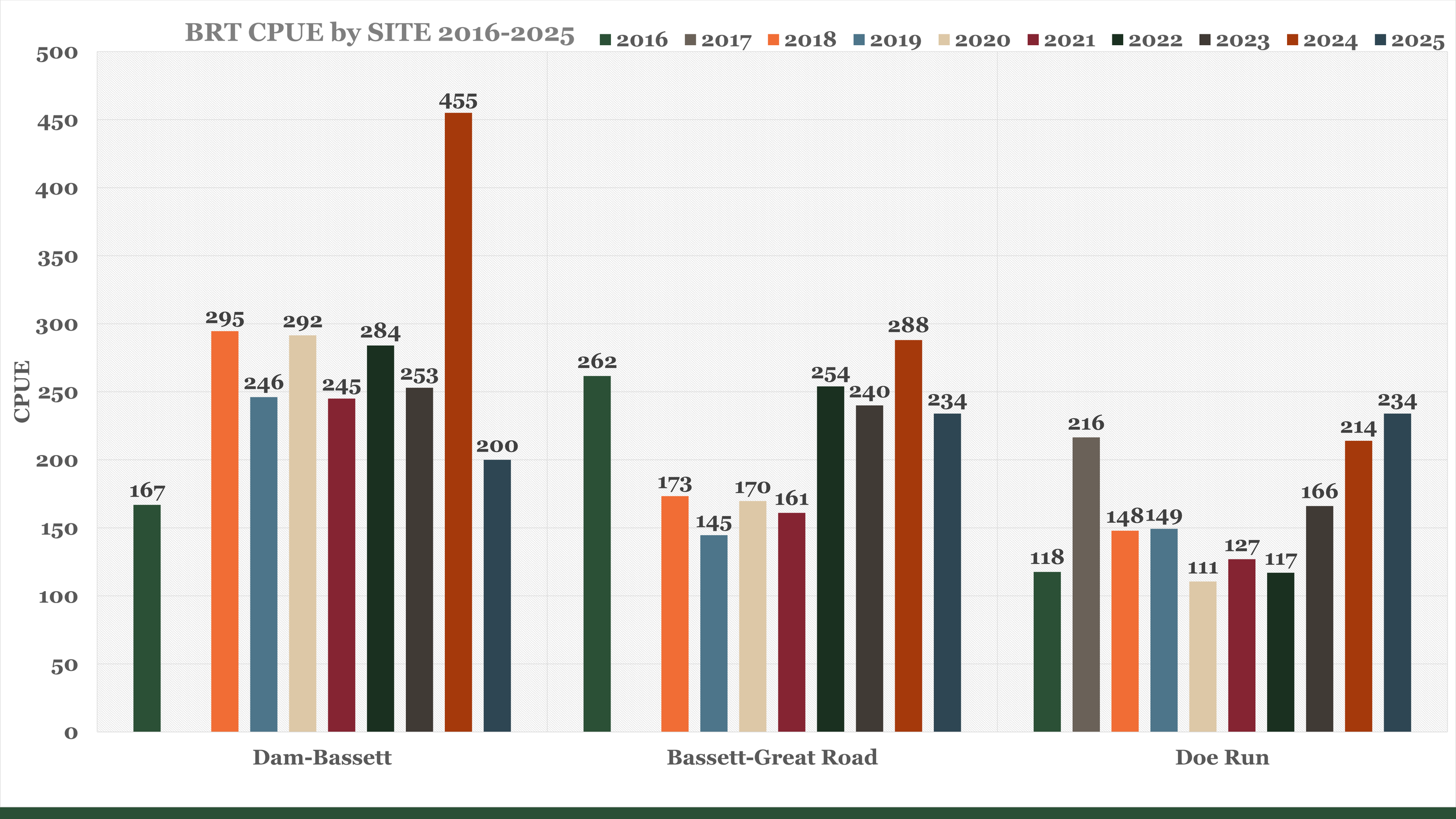


Trout CPUE (#/hr) Collection Stats 2025



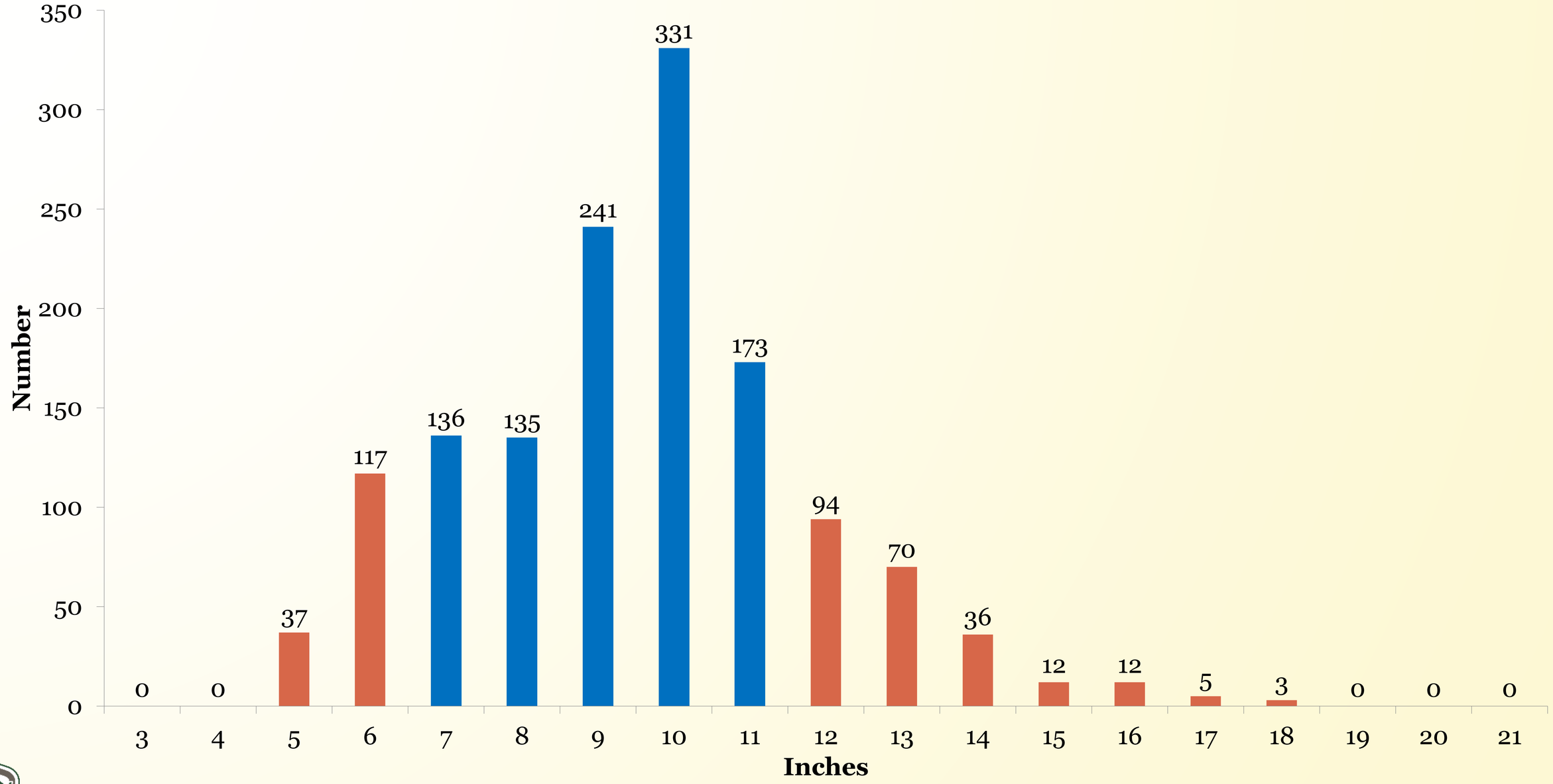
Upper Smith River Brown Trout Catch per Hour 2016-2025 (X=223)



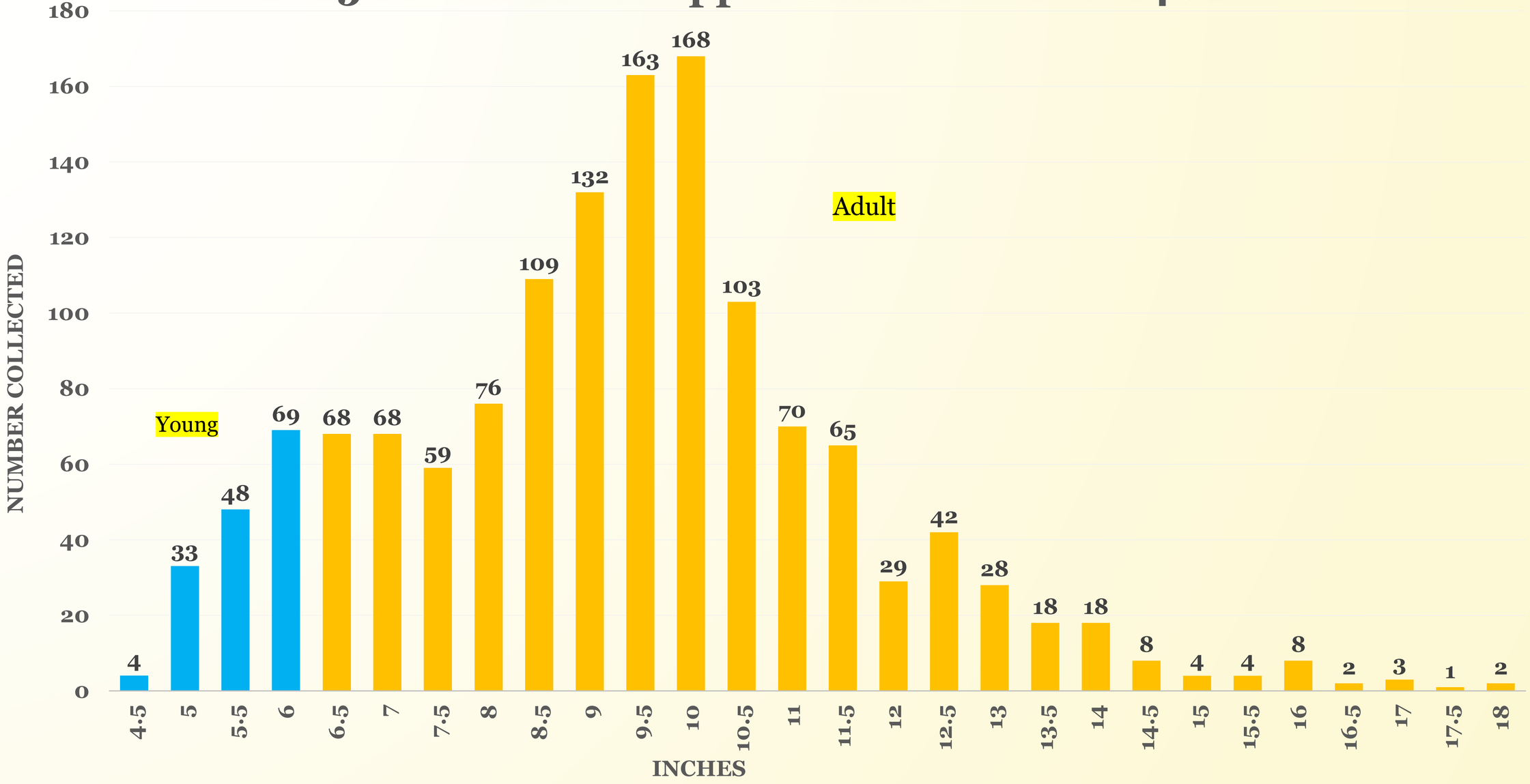

BRT CPUE by SITE 2016-2025
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
CPUE
500
450
400
350
300
250
200
150
100
50
0
167
295
246
292
245
284
253
455
200
262
173
145
170
161
254
240
288
234
118
216
148
149
111
127
117
166
214
234
Dam-Bassett
Bassett-Great Road
Doe Run

NO TRES
VIRGINIA

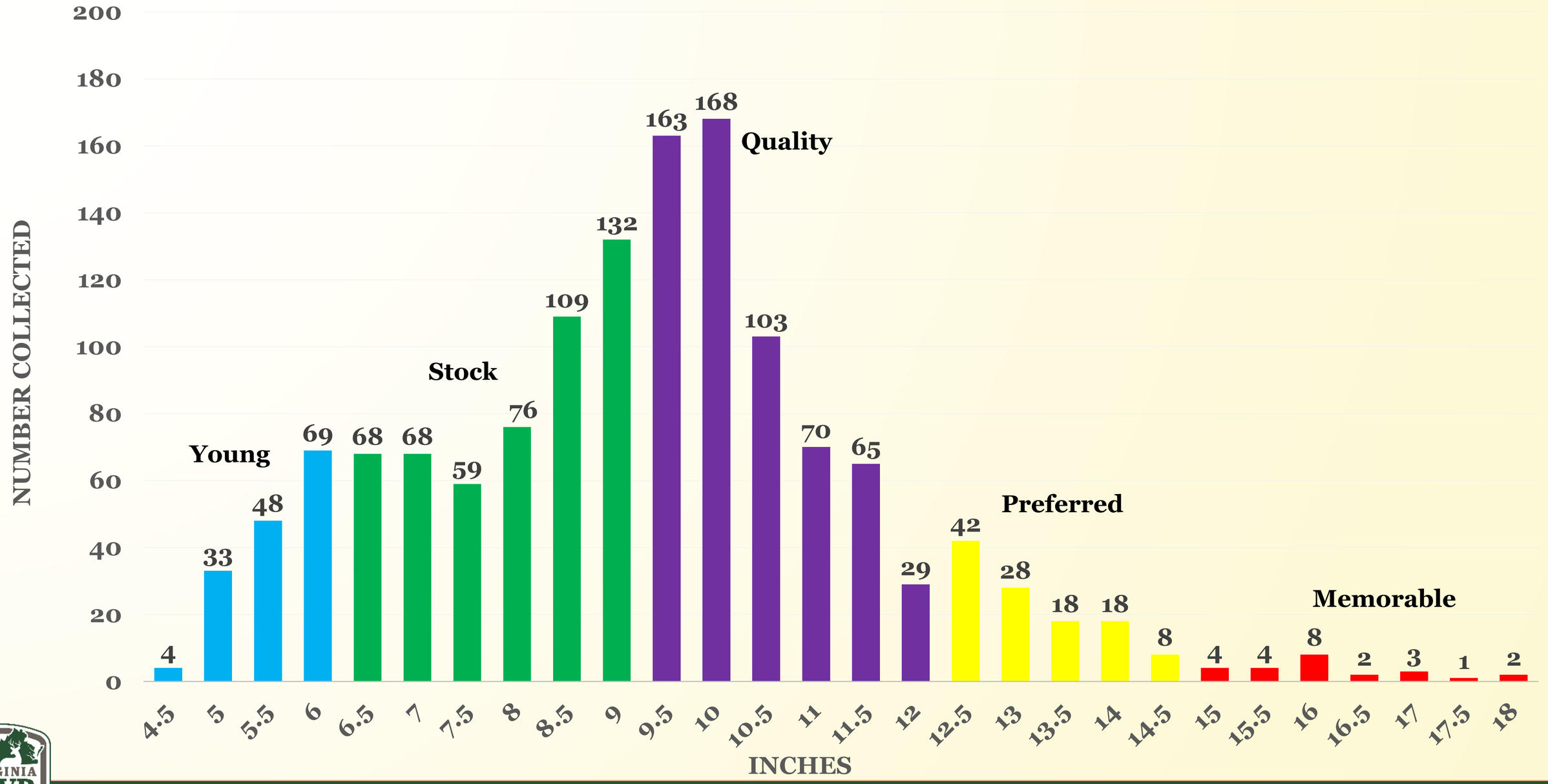
Brown Trout Collected (N=1402) in Upper Smith River 2025 [72% 7-11 inches]

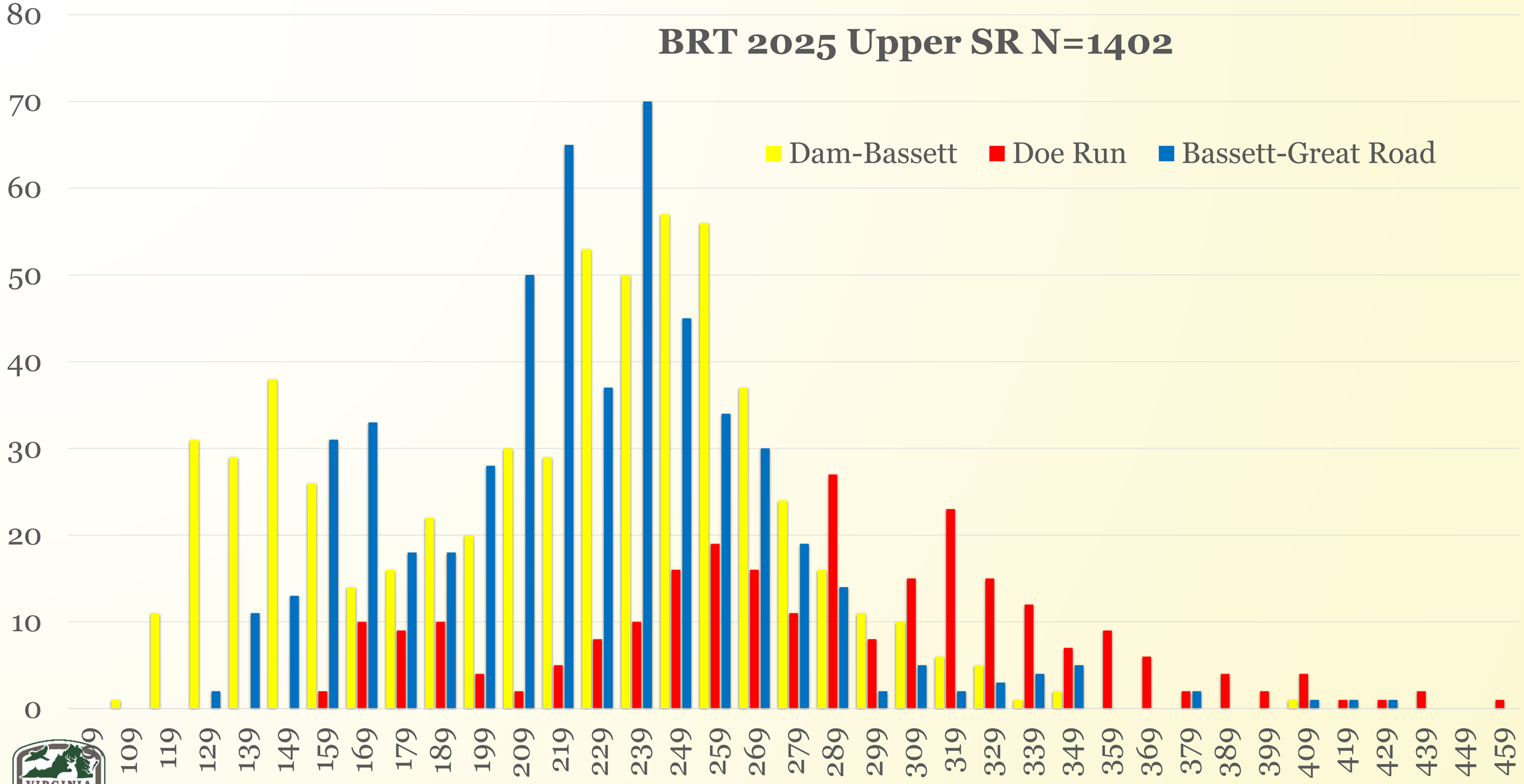


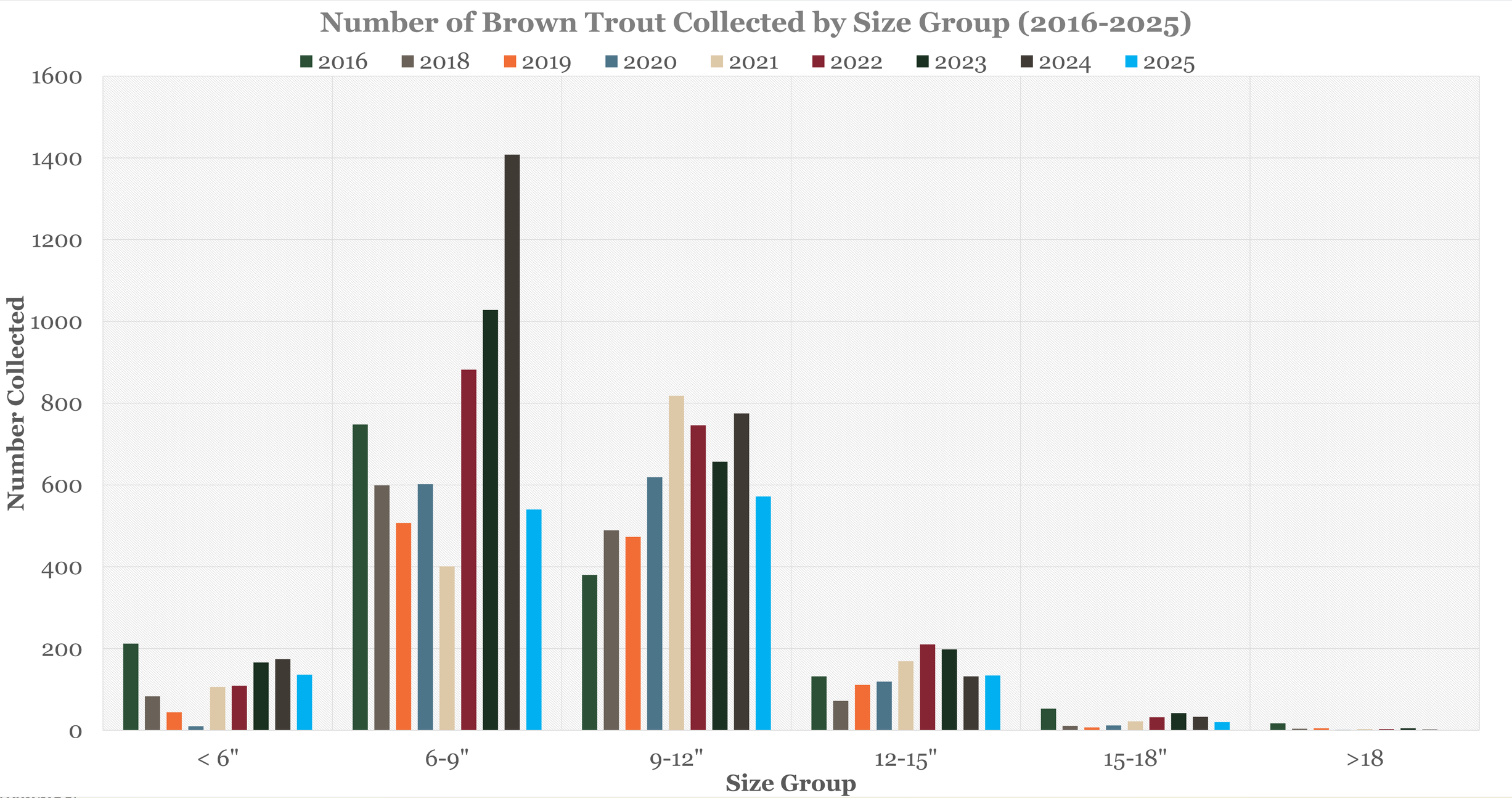
2025 Brown Trout Upper Smith River N=1402



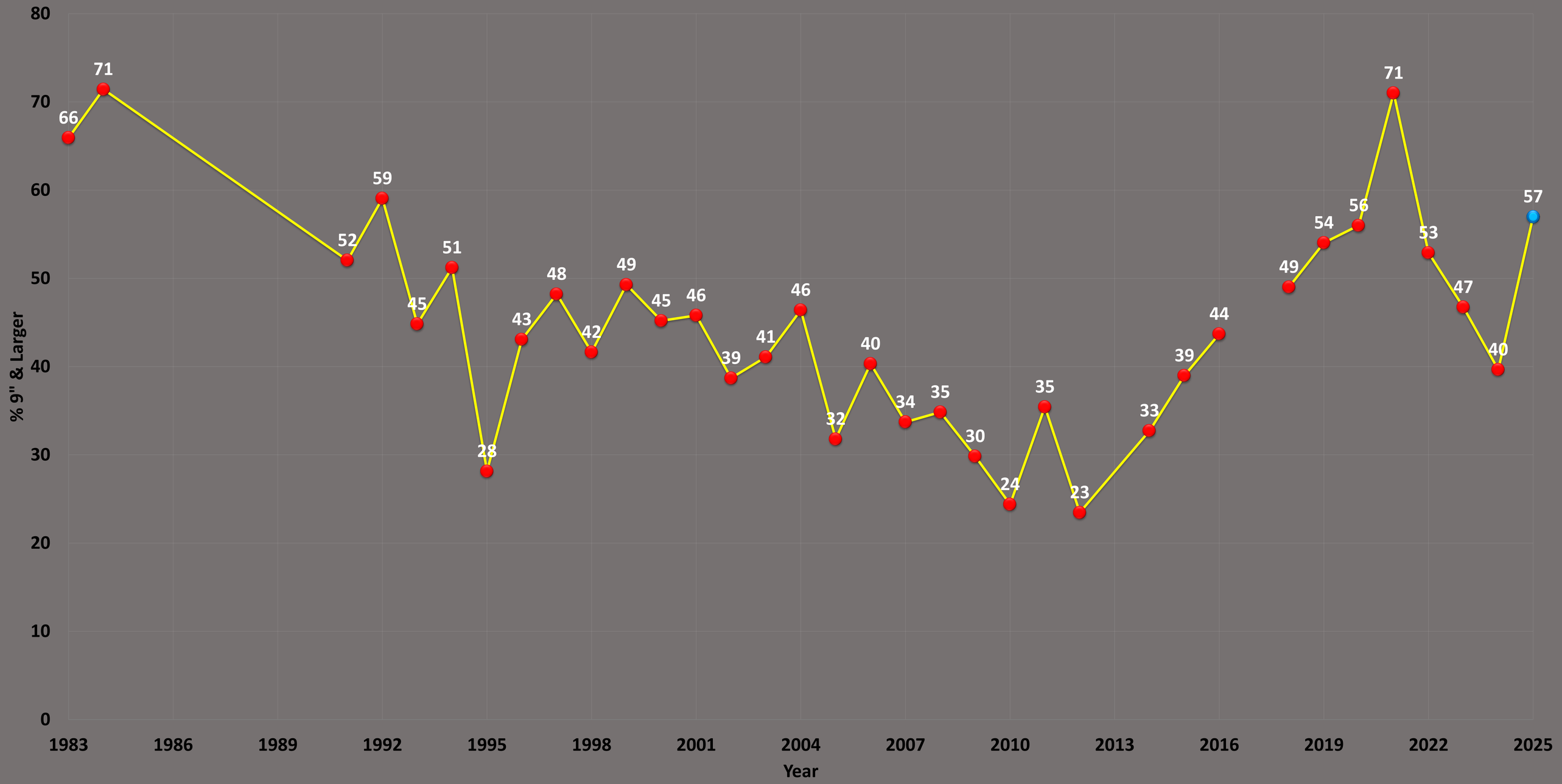
2025 Brown Trout Upper Smith River N=1402



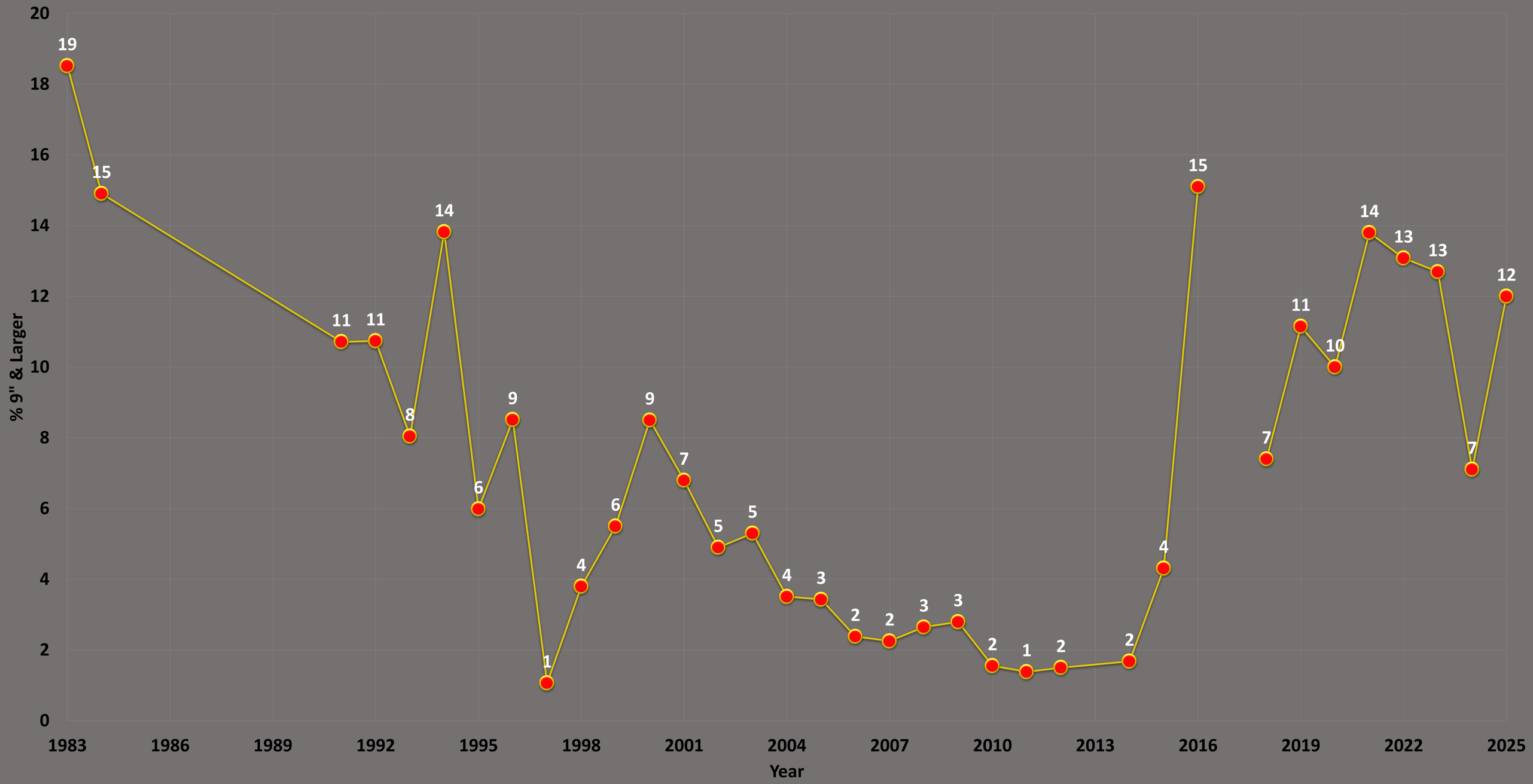

BRT 2025 Upper SR N=1402
Dam-Bassett
Doe Run
Bassett-Great Road
80
70
60
50
40
30
20
10
0
109
119
129
139
149
159
169
179
189
199
209
219
229
239
249
259
269
279
289
299
309
319
329
339
349
359
369
379
389
399
409
419
429
439
449
459

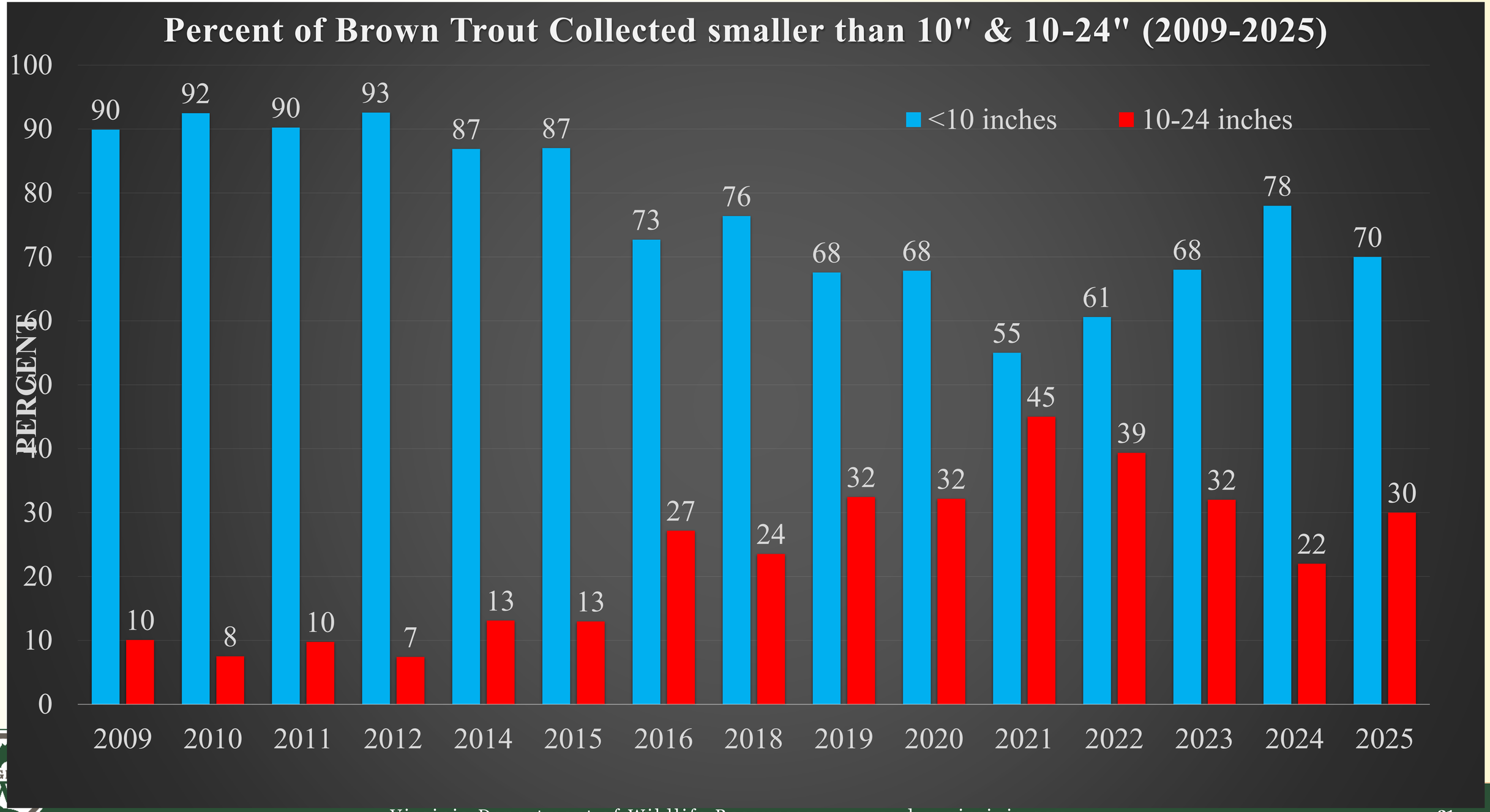

Number of Brown Trout Collected by Size Group (2016-2025)
2016
2018
2019
2020
2021
2022
2023
2024
2025
1600
1400
1200
1000
800
600
400
200
0
Number Collected
< 6"
6-9"
9-12"
12-15"
15-18"
>18
Size Group

% Brown Trout (9"& Larger) 1983-2025

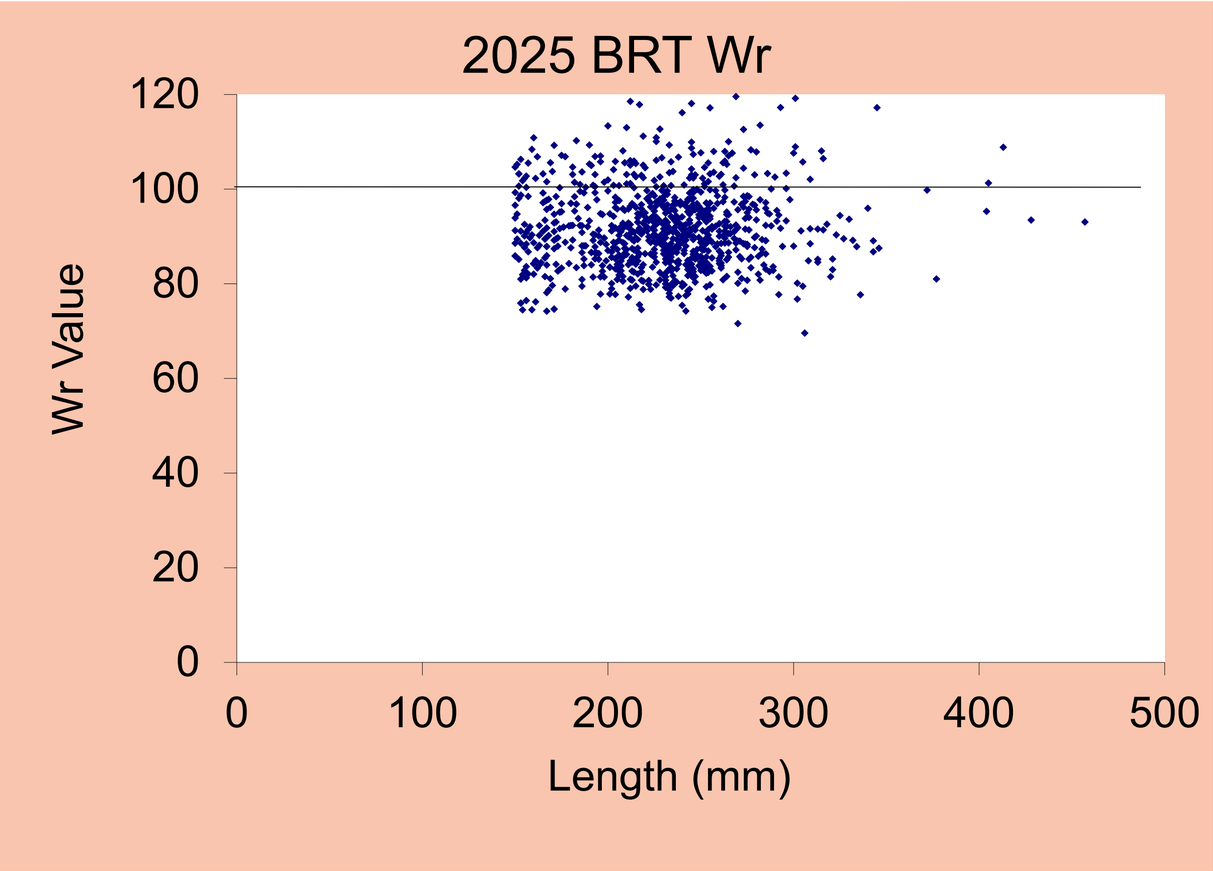


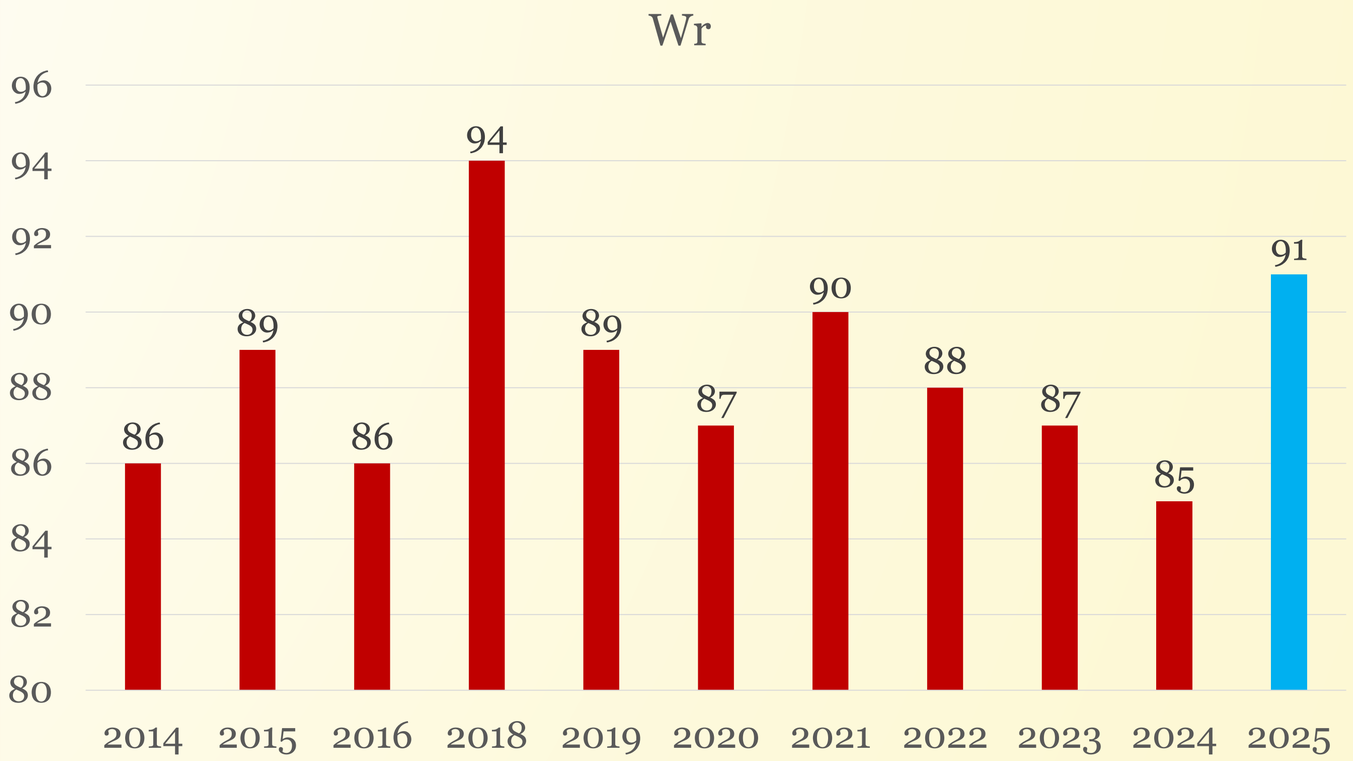
% Brown Trout (12"& Larger) 1983-2025




Percent of Brown Trout Collected smaller than 10" & 10-24" (2009-2025)
PERCENT
<10 inches
10-24 inches
100
90
80
70
60
50
40
30
20
10
0
2009 90 10
2010 92 8
2011 90 10
2012 93 7
2014 87 13
2015 87 13
2016 73 27
2018 76 24
2019 68 32
2020 68 32
2021 55 45
2022 61 39
2023 68 32
2024 78 22
2025 70 30

Adult Brown Trout Condition Measured Wr 85 in 2025





Brown Trout Age and Growth Analysis 2025

No Age Data Yet? Richmond Lab

Adult Brown Trout Diet Analysis 2025

191 BRT Stomachs Examined

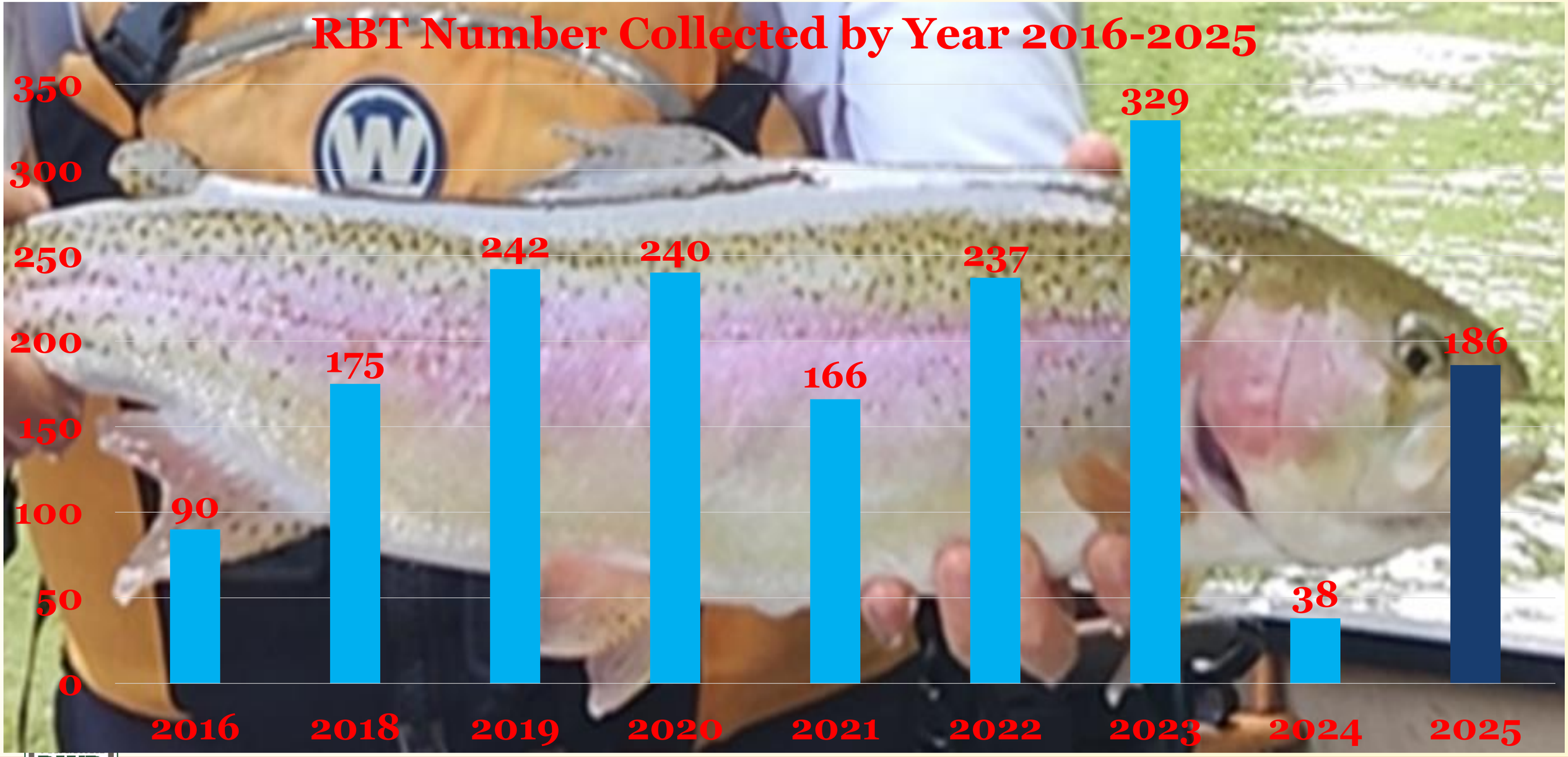
- 23% empty & 77% contained material

	Empty	Aquatic Insects	Terrestrial Insects	Fish/Frogs	Crayfish	Snails	Rocks
Percent of Total	23%	25%	42%	2%	12%	3%	1%

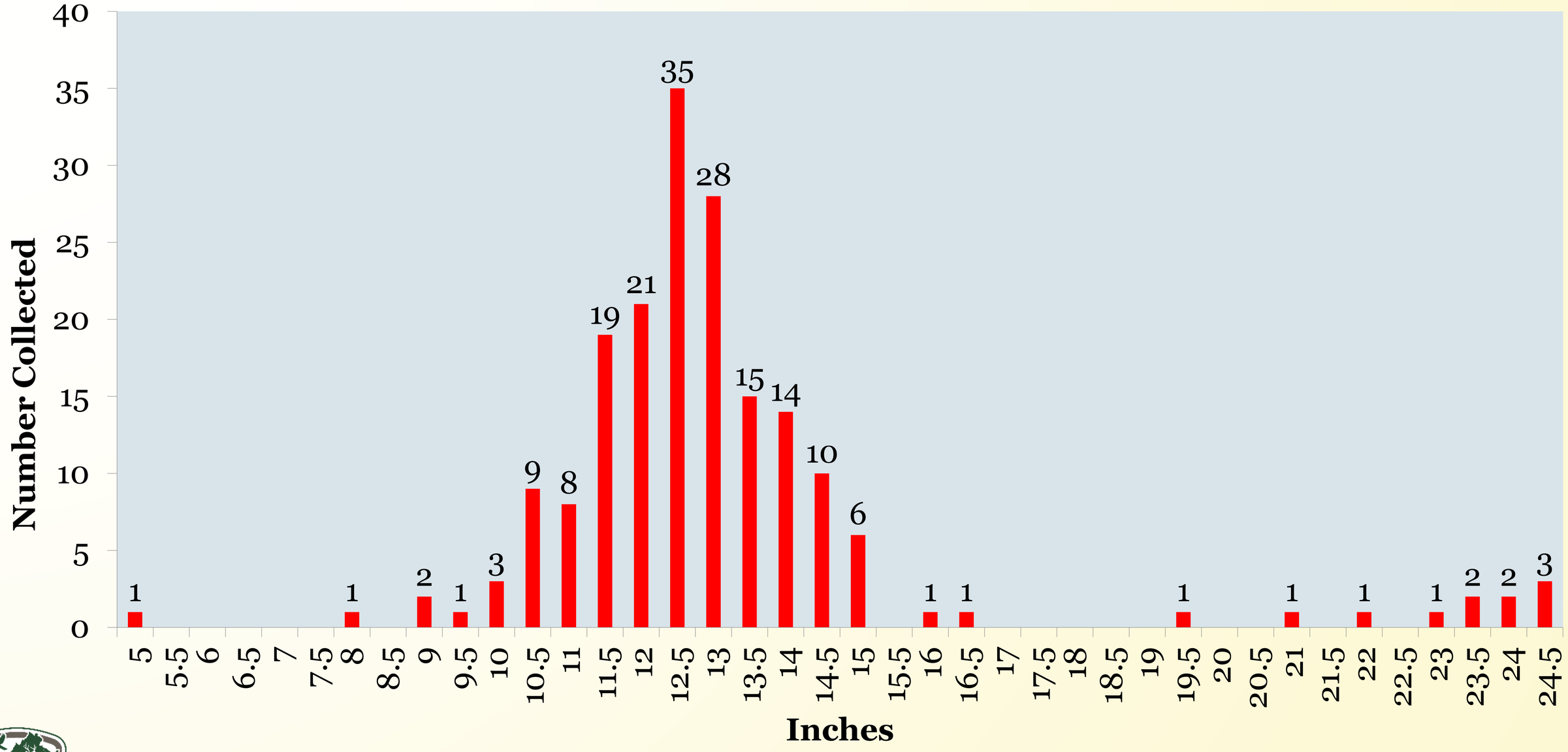
Rainbow Trout 2025

es 13% of
2” or larger

Rainbow Trout Trends 2025

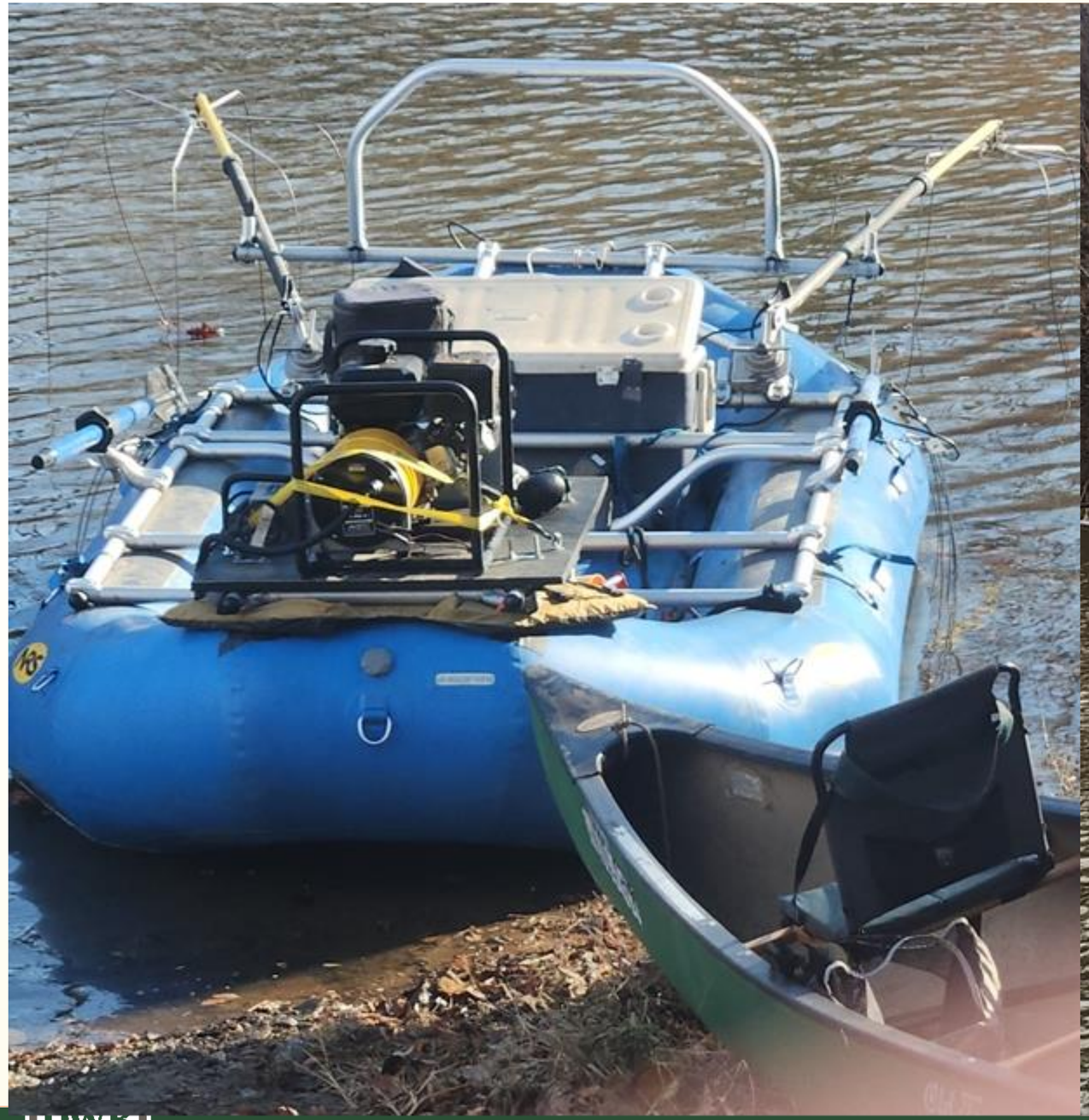


Rainbow Trout Trends 2025



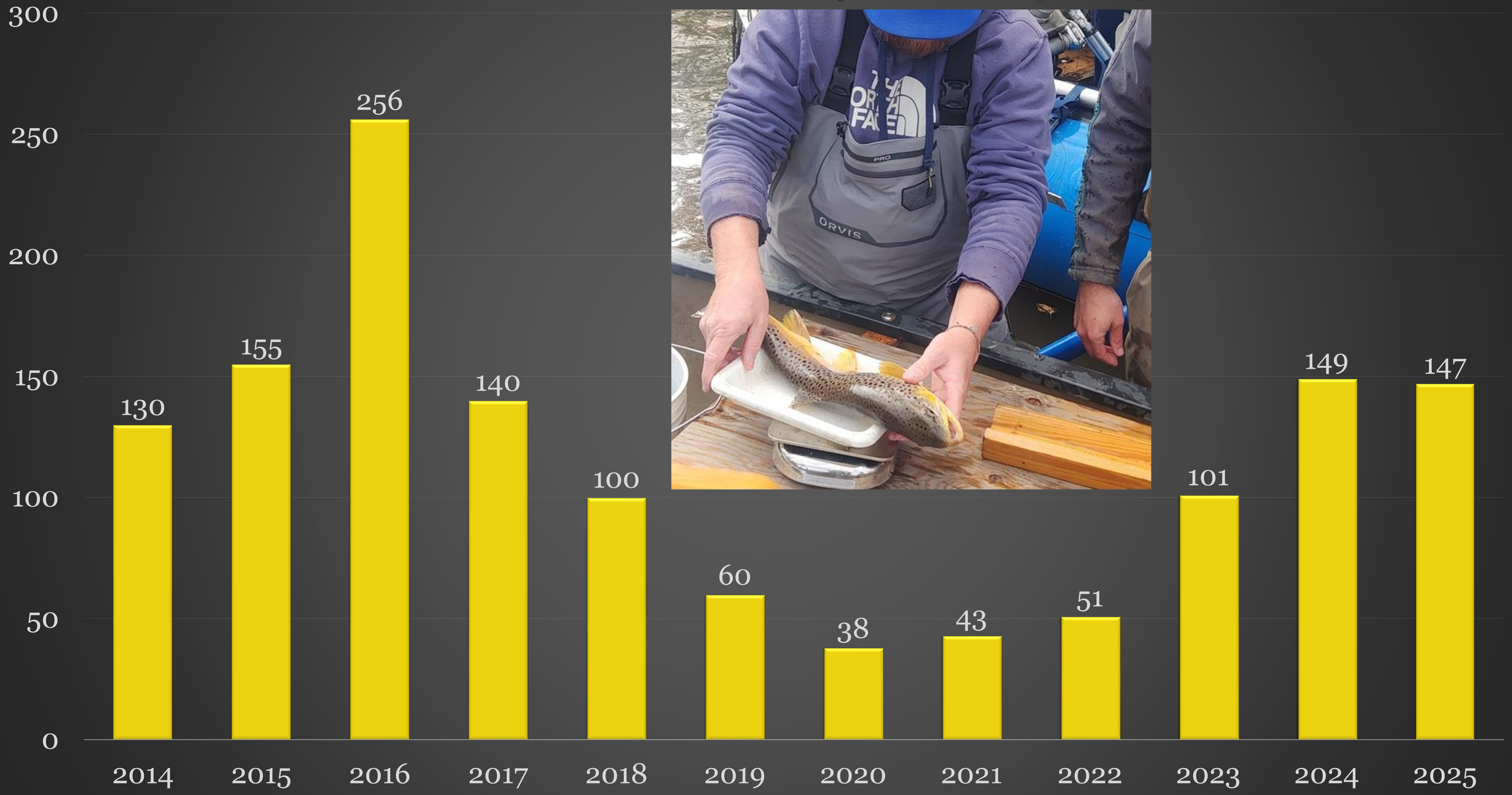
Martinsville Dam – Sports Complex, November 18, 2025

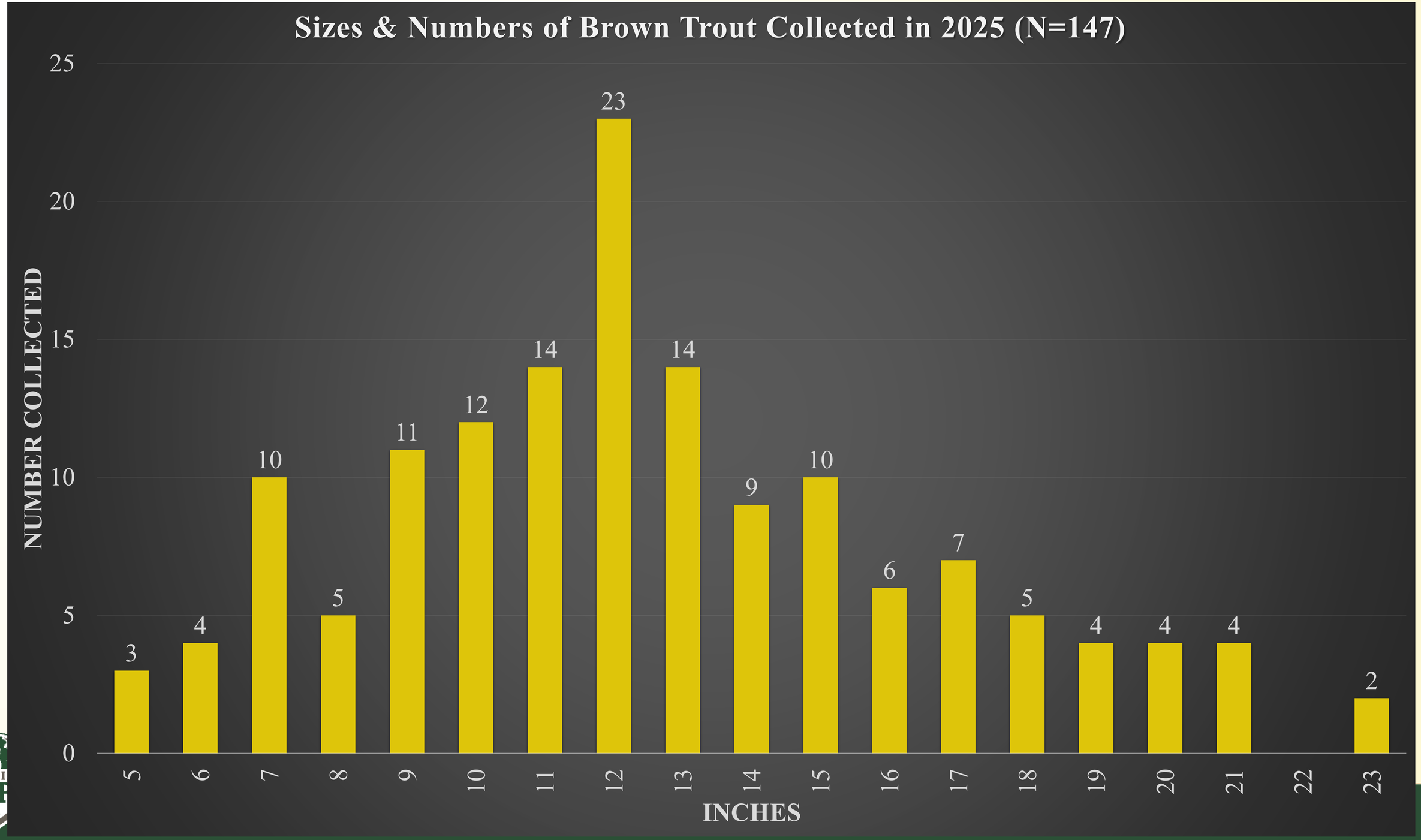
Site	Effort	Site length
Martinsville Dam - Sports Complex	2.53 Hours	8.4 km

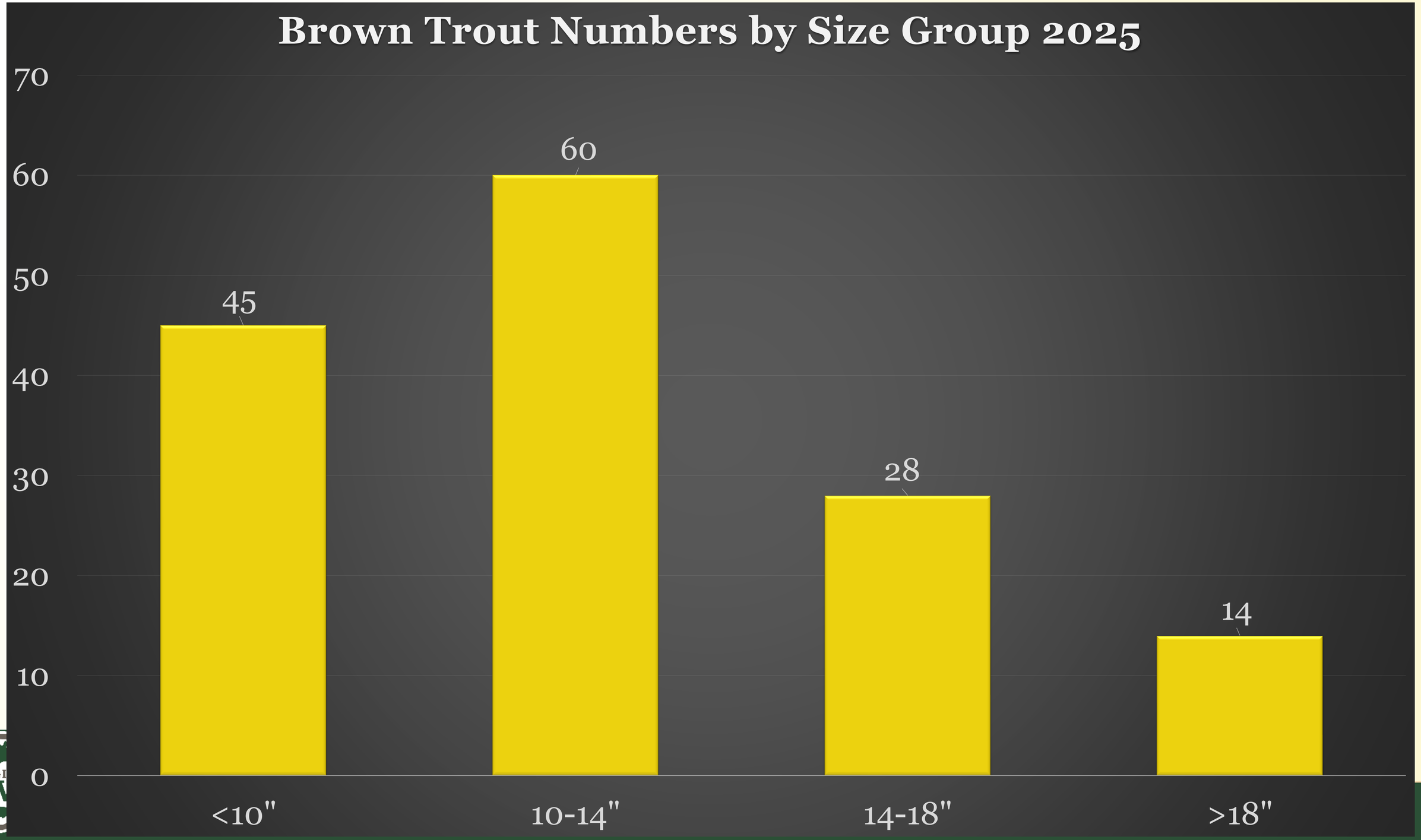


Fish Speices Collected 2025

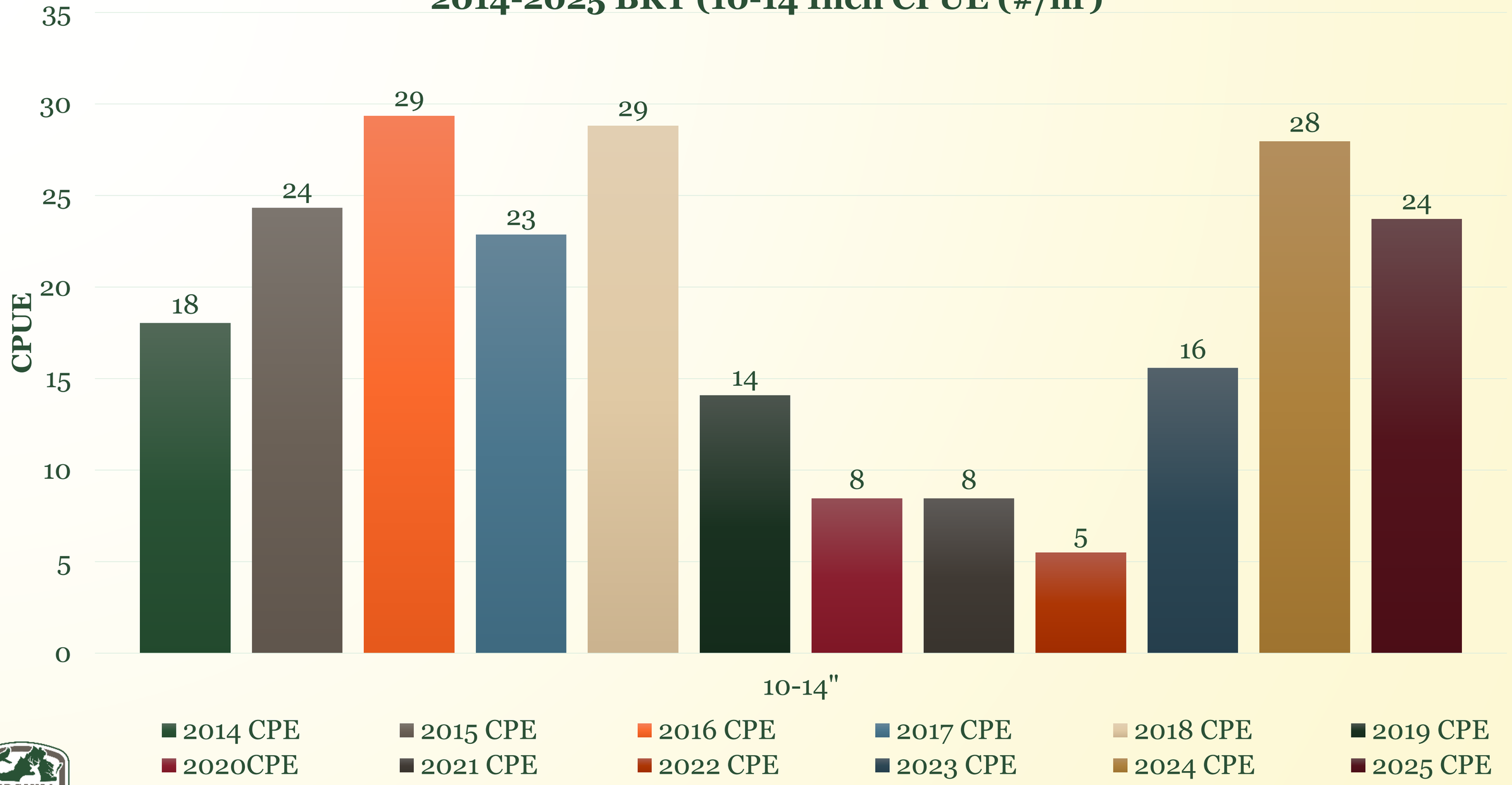
BRT # Collected by Year 2014-2025

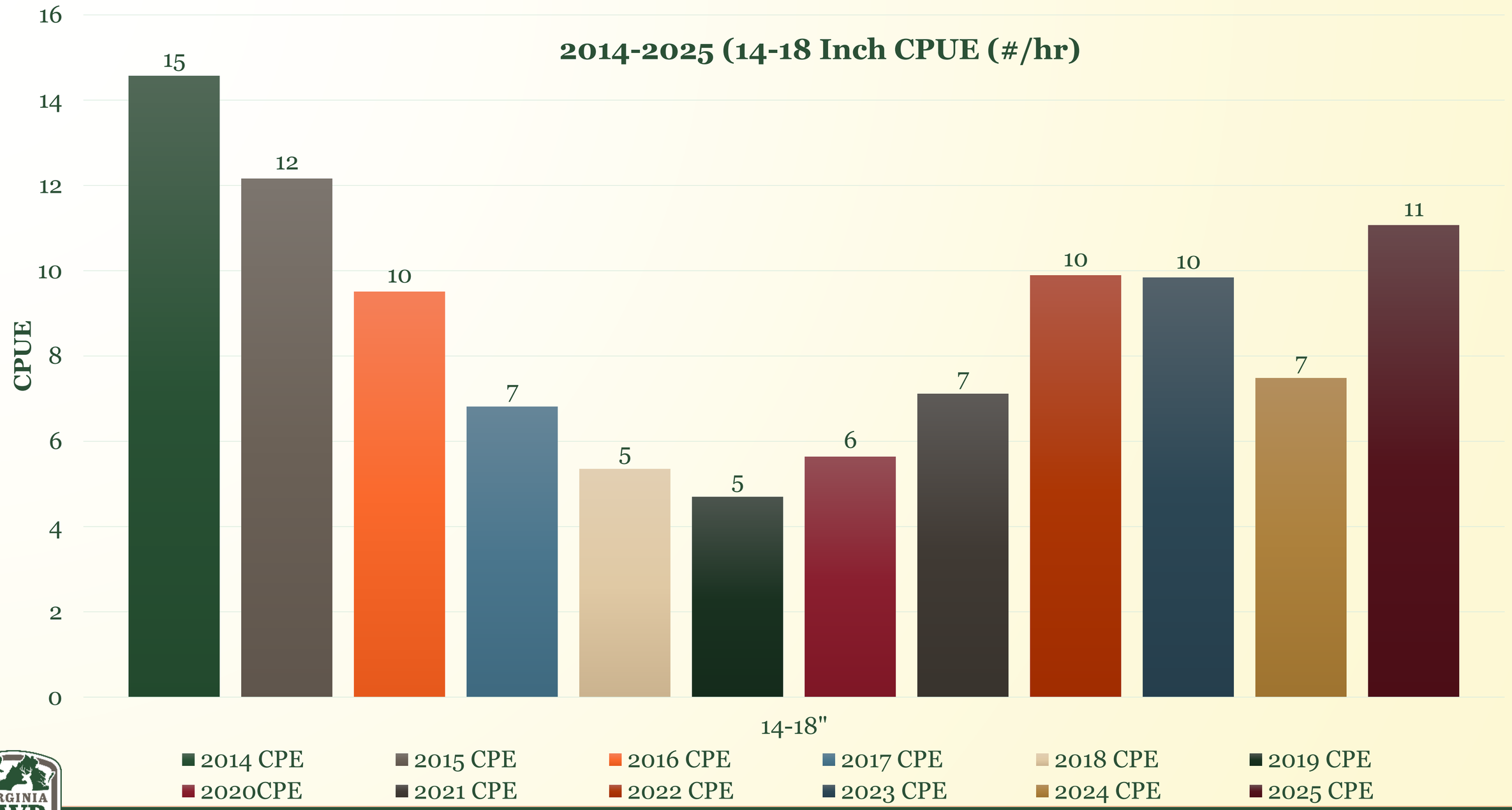


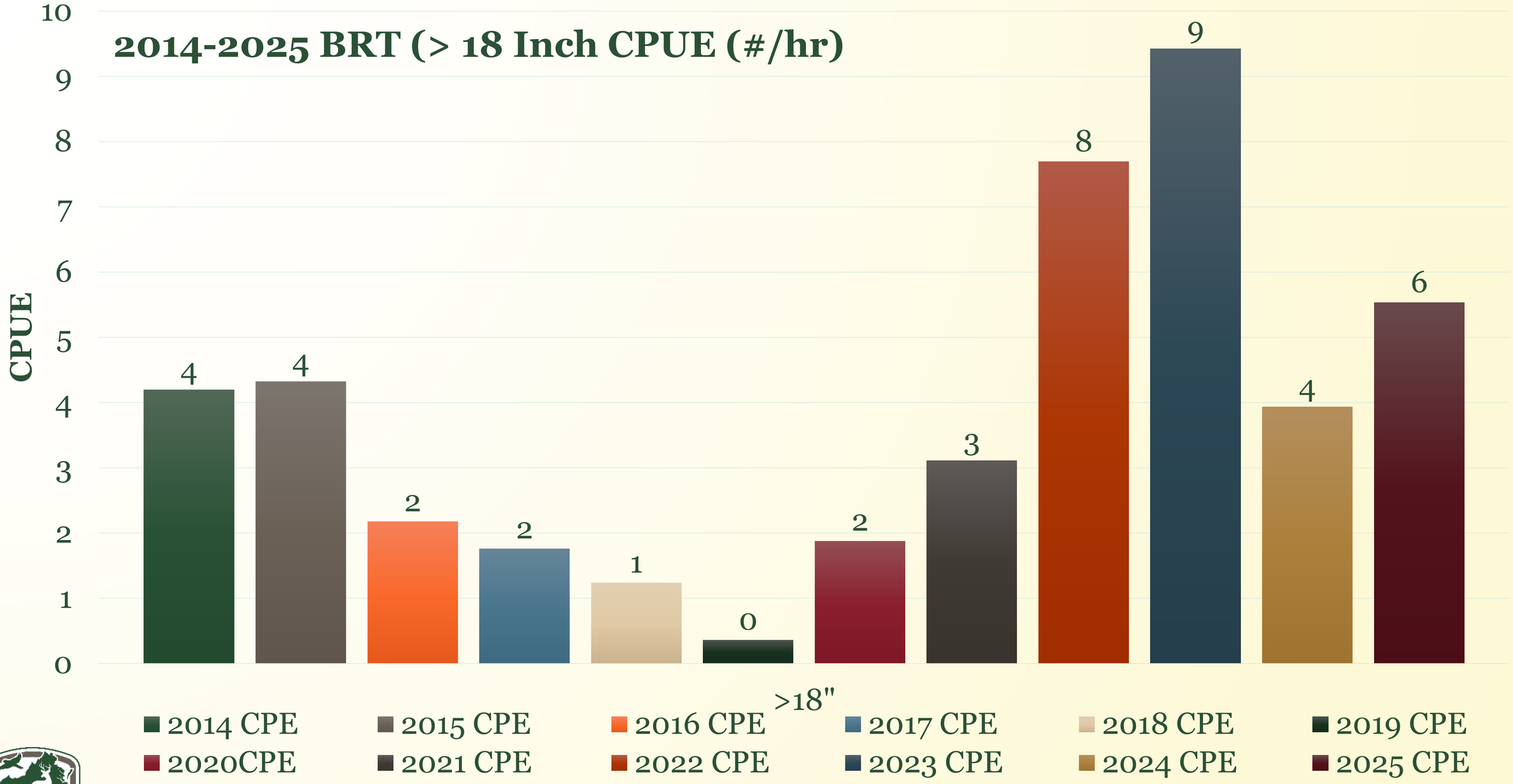

Sizes & Numbers of Brown Trout Collected in 2025 (N=147)
NUMBER COLLECTED
0
5
10
15
20
25
3
4
10
5
11
12
14
23
14
9
10
6
7
5
4
4
4
2
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
INCHES


Brown Trout Numbers by Size Group 2025
70
60
50
40
30
20
10
0
45
60
28
14
<10"
10-14"
14-18"
>18"

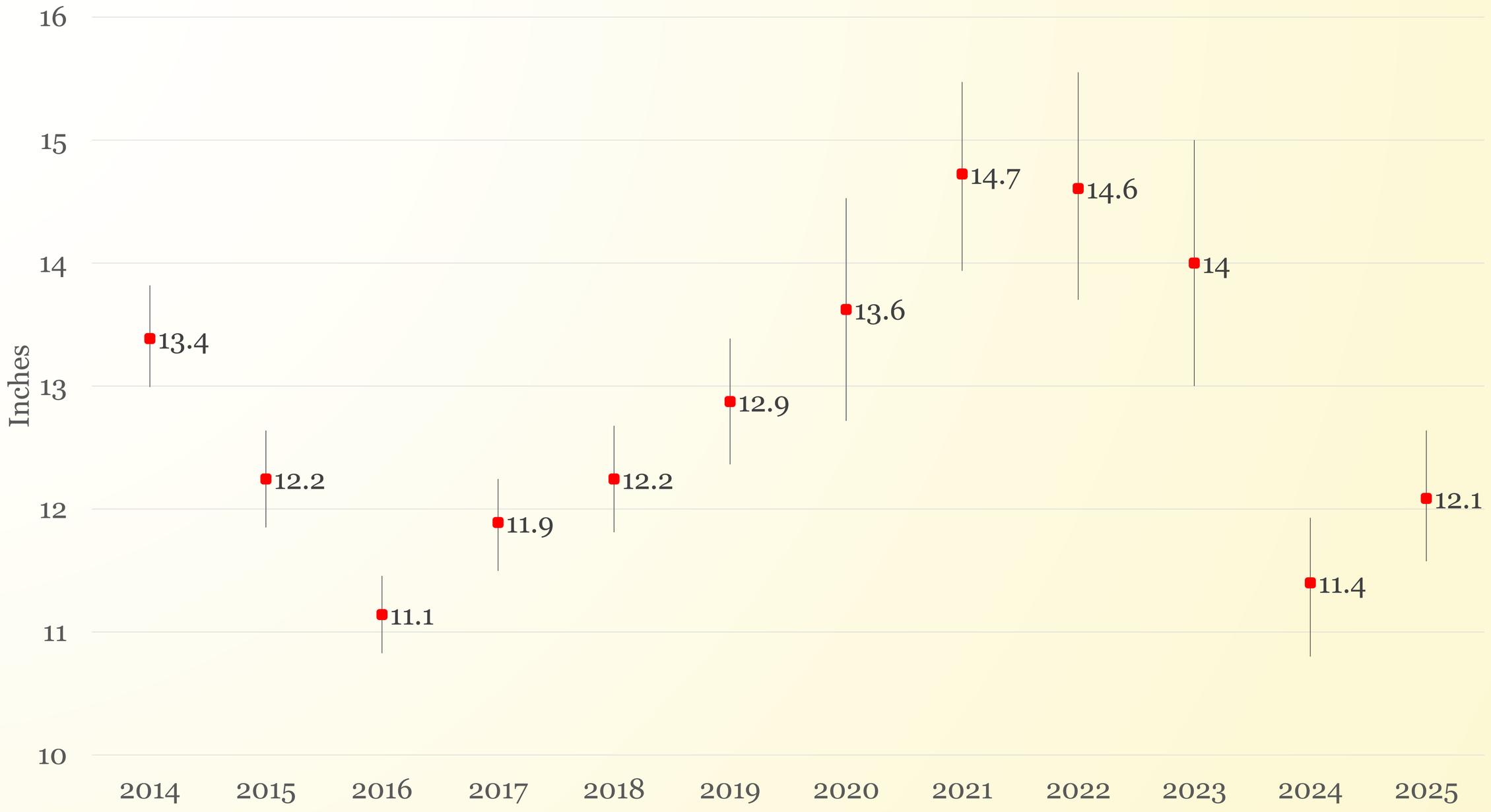
2014-2025 BRT (10-14 Inch CPUE (#/hr)



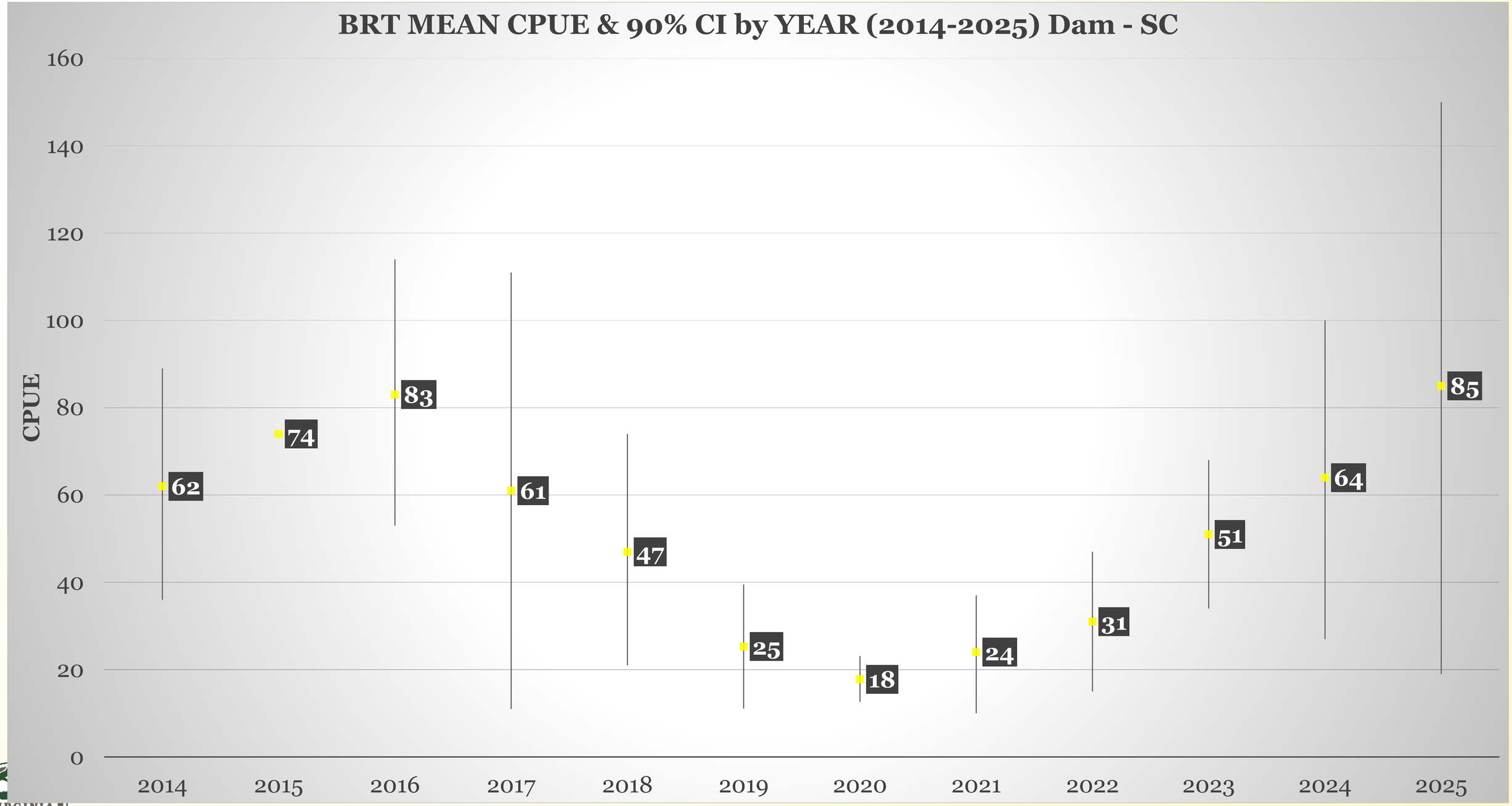

2014-2025 (14-18 Inch CPUE (#/hr)
CPUE
16
14
12
10
8
6
4
2
0
15
12
10
7
5
5
6
7
10
10
7
11
14-18"
2014 CPE
2015 CPE
2016 CPE
2017 CPE
2018 CPE
2019 CPE
2020CPE
2021 CPE
2022 CPE
2023 CPE
2024 CPE
2025 CPE

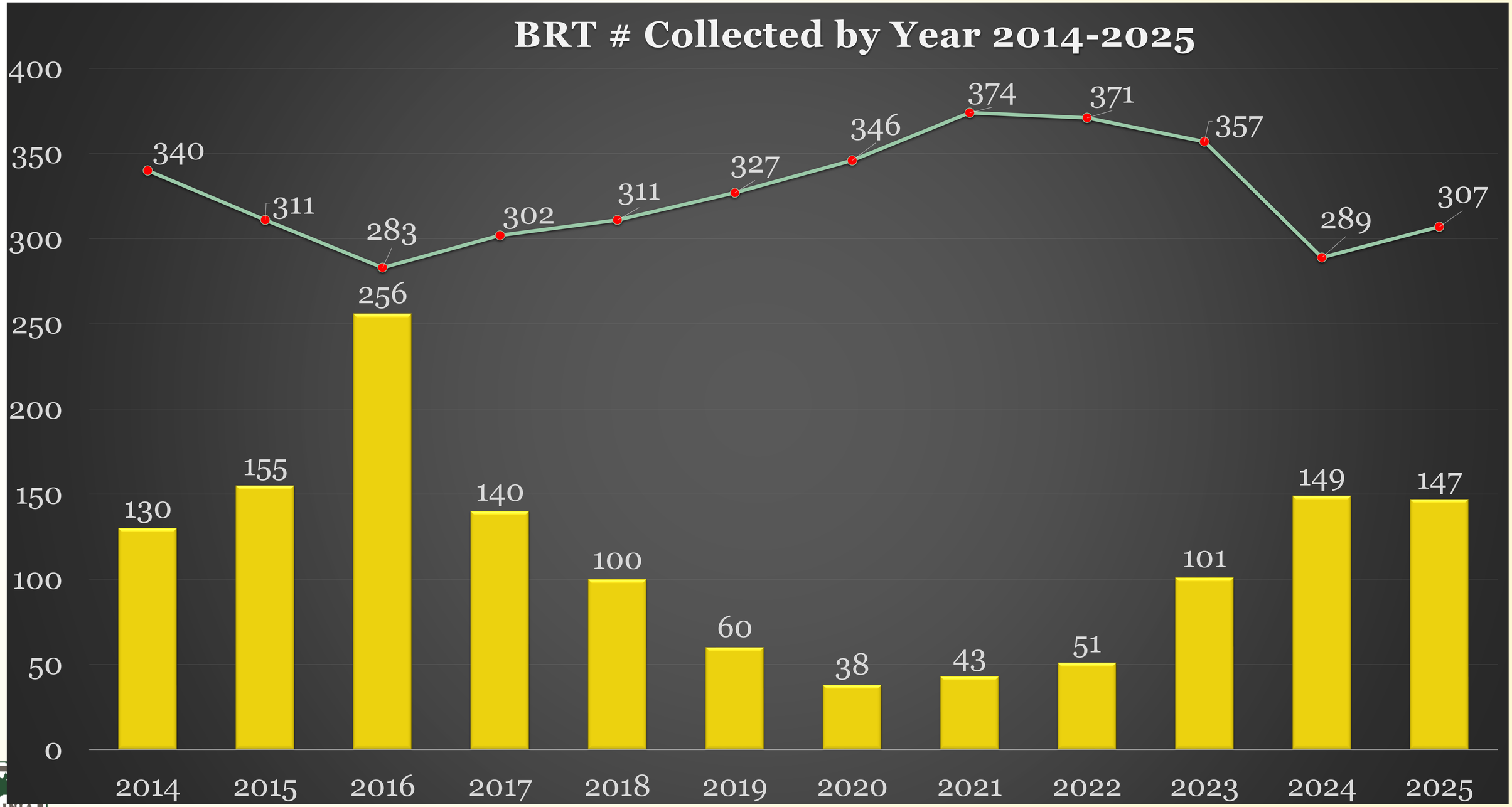

2014-2025 BRT (> 18 Inch CPUE (#/hr)
CPUE
10
9
8
7
6
5
4
3
2
1
0
4
4
2
2
1
0
2
3
8
9
4
6
>18"
2014 CPE
2015 CPE
2016 CPE
2017 CPE
2018 CPE
2019 CPE
2020CPE
2021 CPE
2022 CPE
2023 CPE
2024 CPE
2025 CPE

Brown Trout Average Length by Year (90% CI)

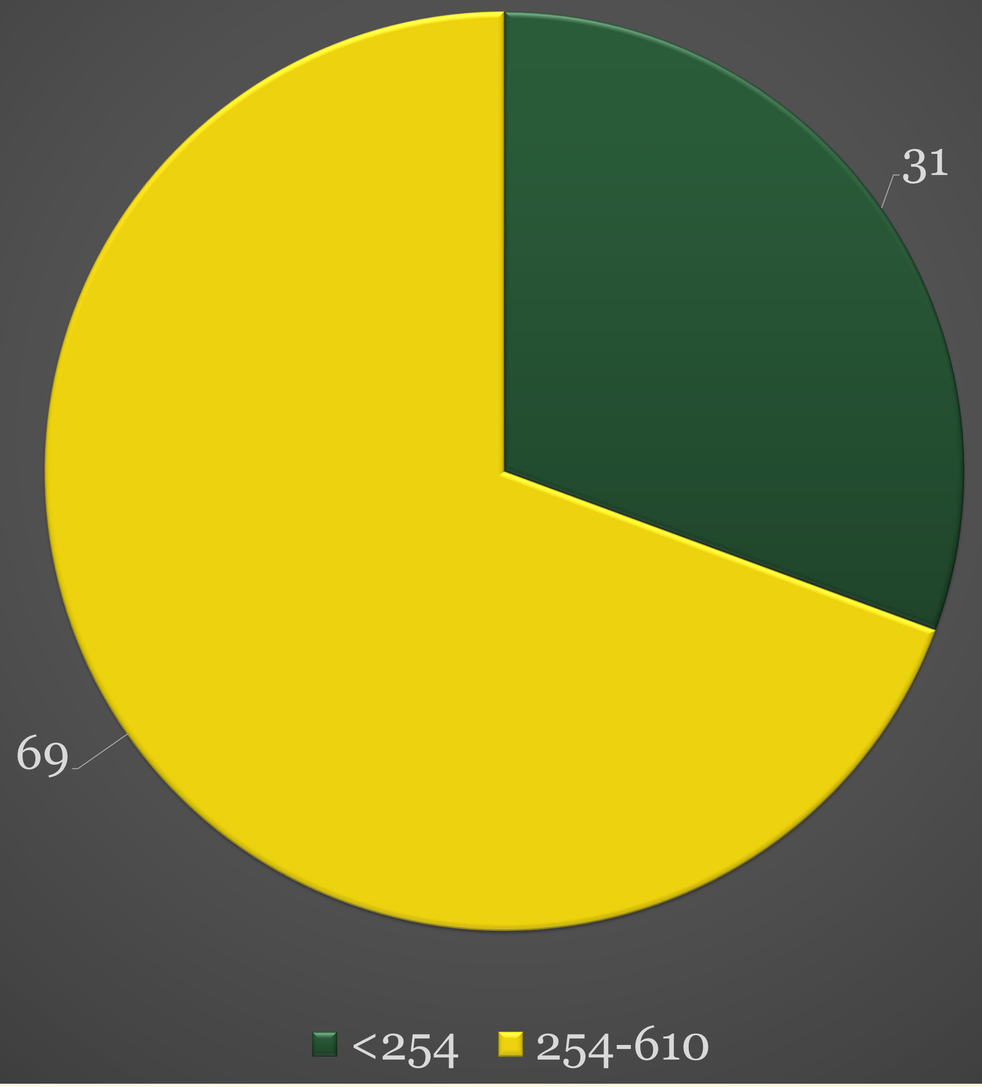


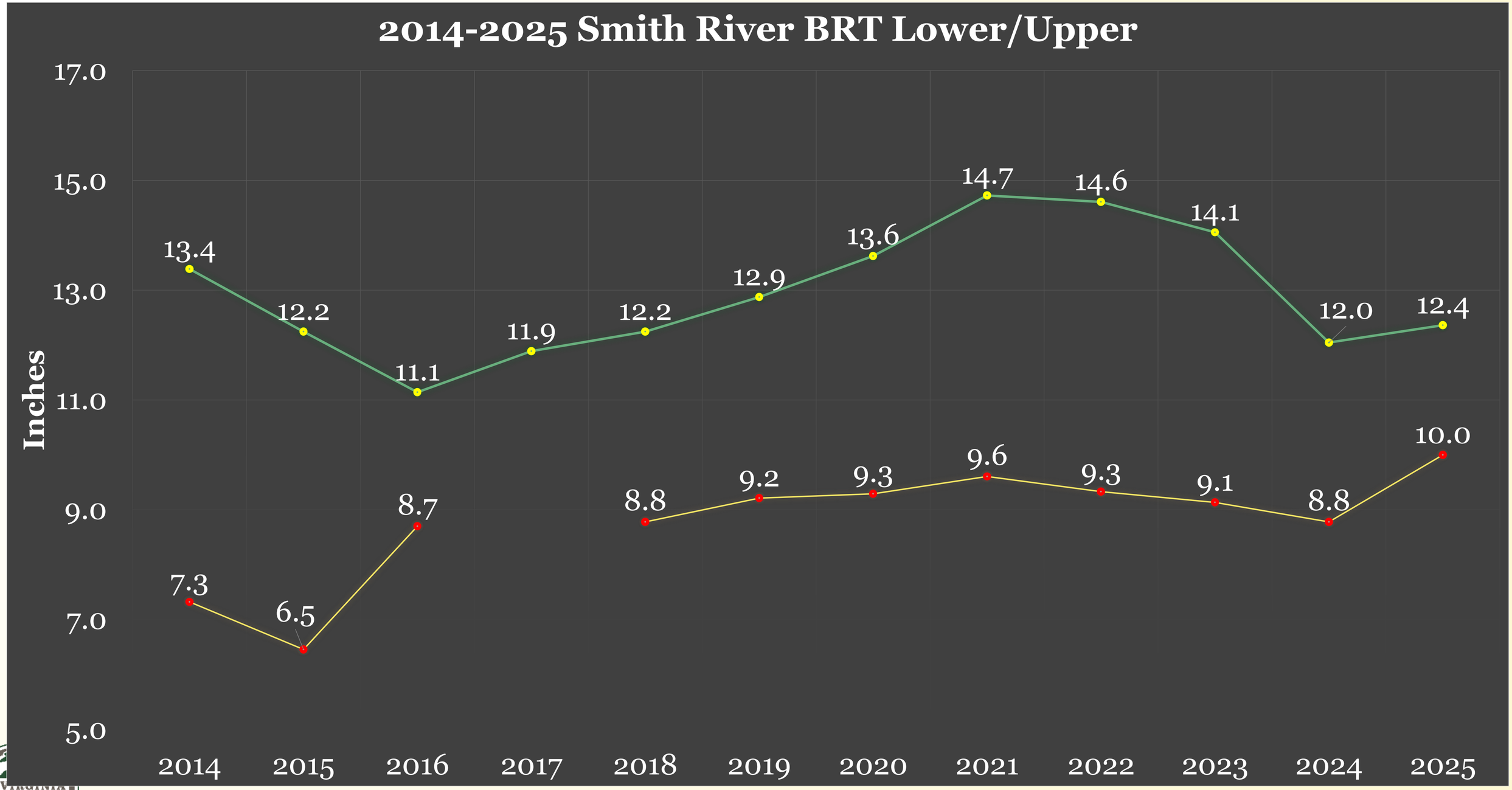
MUSTANG


BRT MEAN CPUE & 90% CI by YEAR (2014-2025) Dam - SC
CPUE
160
140
120
100
80
60
40
20
0
62
74
83
61
47
25
18
24
31
51
64
85
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


BRT # Collected by Year 2014-2025
400
350
300
250
200
150
100
50
0
340
311
283
302
311
327
346
374
371
357
289
307
130
155
256
140
100
60
38
43
51
101
149
147
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

Percent of BRT Collected Below & Within Protective Slot in 2025 Collections




2014-2025 Smith River BRT Lower/Upper
Inches
17.0
15.0
13.0
11.0
9.0
7.0
5.0
13.4
12.2
11.1
11.9
12.2
12.9
13.6
14.7
14.6
14.1
12.0
12.4
7.3
6.5
8.7
8.8
9.2
9.3
9.6
9.3
9.1
8.8
10.0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

What has DWR done for the Smith River in 2025

- Upper River stocked sections ;
  - FY25 (October 2024-May 2025)
  - Dam # 4360 lbs. 3283
  - Lower #7458 Lbs. 6221

    = 11,818 stocked and 9,504 pounds = $57,000

- Lower River below Martinsville Dam ;
  - March 2025, stocked 2,420 BRT 6” and 6,250 RBT 3-4” (2024 allocation stocked in 2025)
  - October 2025, stocked 10,000 BRT 6” and 45,000 RBT 2”

Questions