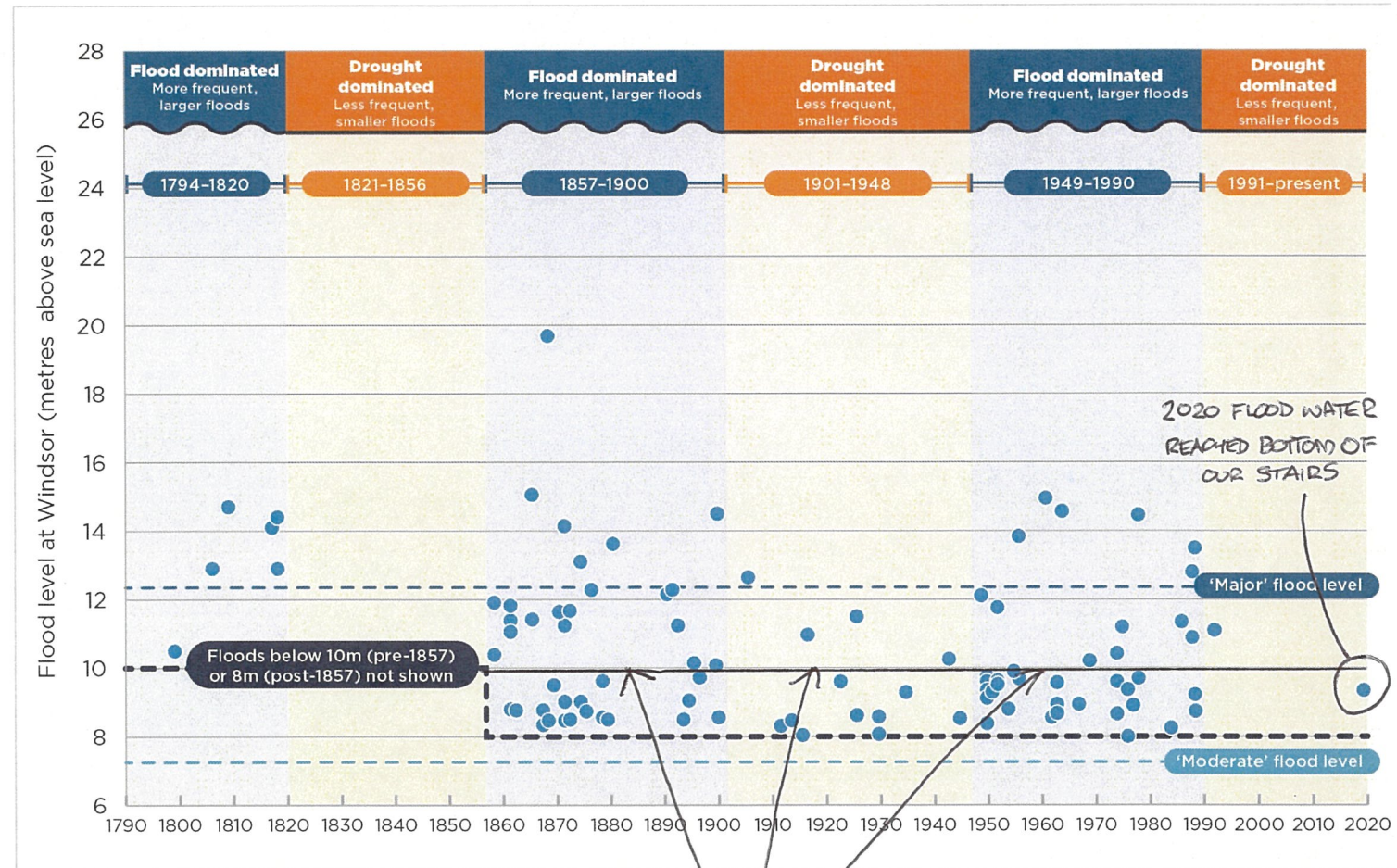


About floods in the Hawkesbury-Nepean – cyclic and unpredictable

- Scientists observed longer-term wet and dry cycles:
 - flood dominated regimes - FDR
 - drought dominated regimes - DDR
- Cycles last 30 to 50 years
 - higher number and largest flood events in FDR
- Hawkesbury-Nepean in a DDR since early 1990s
- Uncertainty of climate change effects on cycles



Source: Infrastructure NSW



DOTS ABOVE 10MTRS AT WINDSOR
WILL MEAN WATER REACHES
CLOSE TO OR ABOVE DECK HEIGHT.

Table 46. Peak flood levels at key reporting locations

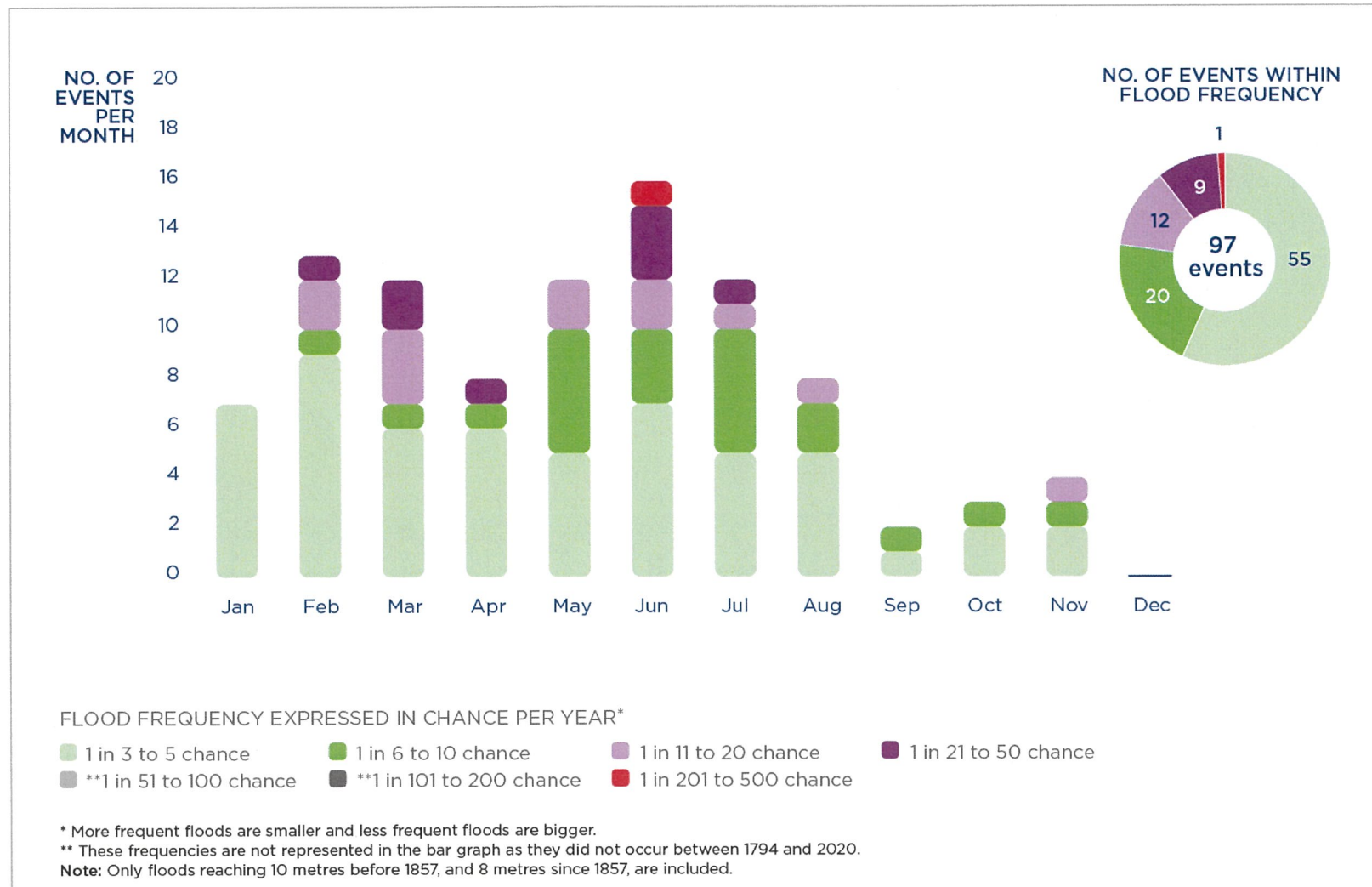
No.*	Name	Peak Flood Levels (m AHD)										
		1 in 5 AEP	1 in 10 AEP	1 in 20 AEP	1 in 50 AEP	1 in 100 AEP	1 in 200 AEP	1 in 500 AEP	1 in 1000 AEP	1 in 2000 AEP	1 in 5000 AEP	PMF
1	Brooklyn Bridge (M1)	1.55	1.59	1.62	1.66	1.69	1.72	1.85	1.89	1.95	2.14	3.02
2	Spencer	1.81	1.90	2.04	2.39	2.74	3.18	3.83	4.40	4.93	5.72	6.83
3	Gunderman-Singletons Mill	2.21	2.77	3.55	4.66	5.52	6.47	7.55	8.47	9.29	10.49	11.98
4	Wisemans Ferry	2.74	3.62	4.71	6.07	7.05	8.12	9.35	10.37	11.31	12.70	14.41
5	Leets Vale	3.67	5.07	6.48	8.08	9.15	10.14	11.54	12.62	13.56	14.94	17.27
6	Lower Portland	4.81	6.54	7.8	8.16	9.91	11.09	12.09	13.57	14.82	15.82	17.27
7	Sackville	6.27	8.44	10.12	12.14	13.24	14.22	15.57	16.72	18.01	19.20	23.58
8	Ebenezer	8.27	10.69	12.65	14.97	16.25	17.32	18.67	19.64	20.81	21.81	25.98
9	Cattai Creek/Gronos Point	8.86	11.27	13.24	15.61	16.93	18.00	19.31	20.28	21.42	22.38	26.51
10	South Creek at Richmond Road	9.82	11.88	13.71	16.04	17.31	18.34	19.62	20.58	21.69	22.64	26.70
11	Windsor	9.85	11.93	12.9	13.74	16.05	17.32	18.35	19.63	20.58	21.70	22.64
12	Rickabys Creek at Blacktown Road	10.05	12.04	13.80	16.09	17.35	18.37	19.64	20.60	21.71	22.66	26.73
13	North Richmond	11.39	13.67	15.35	16.53	17.55	18.55	19.80	20.74	21.85	22.79	26.81
14	Yarramundi Bridge	12.03	14.46	16.37	17.43	18.19	19.11	20.28	21.17	22.29	23.23	27.14
15	Penrith	19.57	21.34	23.30	24.79	25.78	26.47	27.10	27.50	28.37	29.44	32.76
16	Blaxlands Crossing	35.06	37.21	39.42	42.57	44.65	46.49	48.93	50.75	54.22	58.33	66.34
17	Bents Basin	38.29	40.33	41.89	43.87	45.46	47.02	49.24	50.99	54.25	58.36	66.37

*Locations as per Figure 1

2021
FLOOD
HEIGHT

1867
FLOOD
HEIGHT

Flood seasonality and severity Windsor – 1794 to 2020



Source: Infrastructure NSW