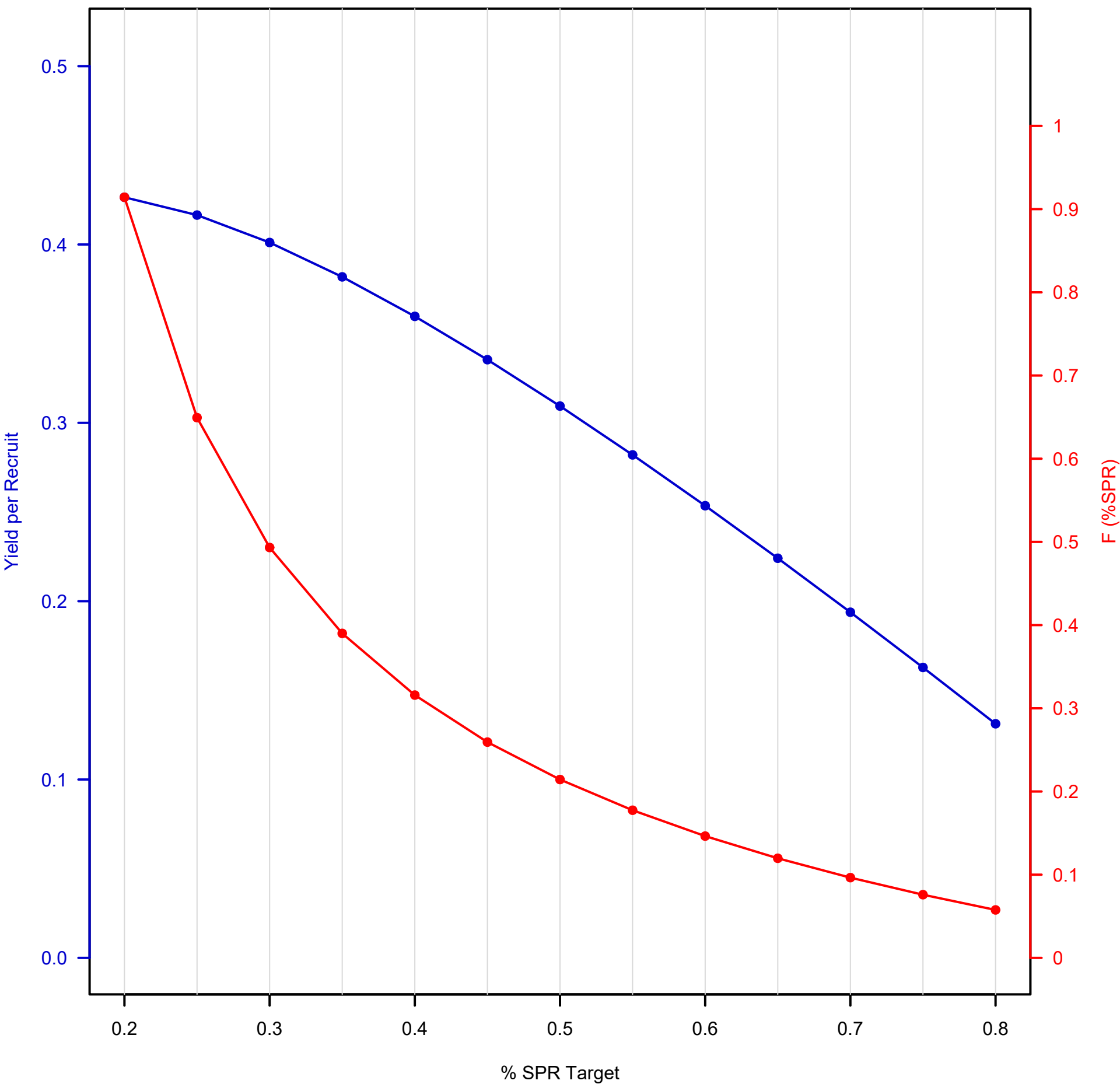
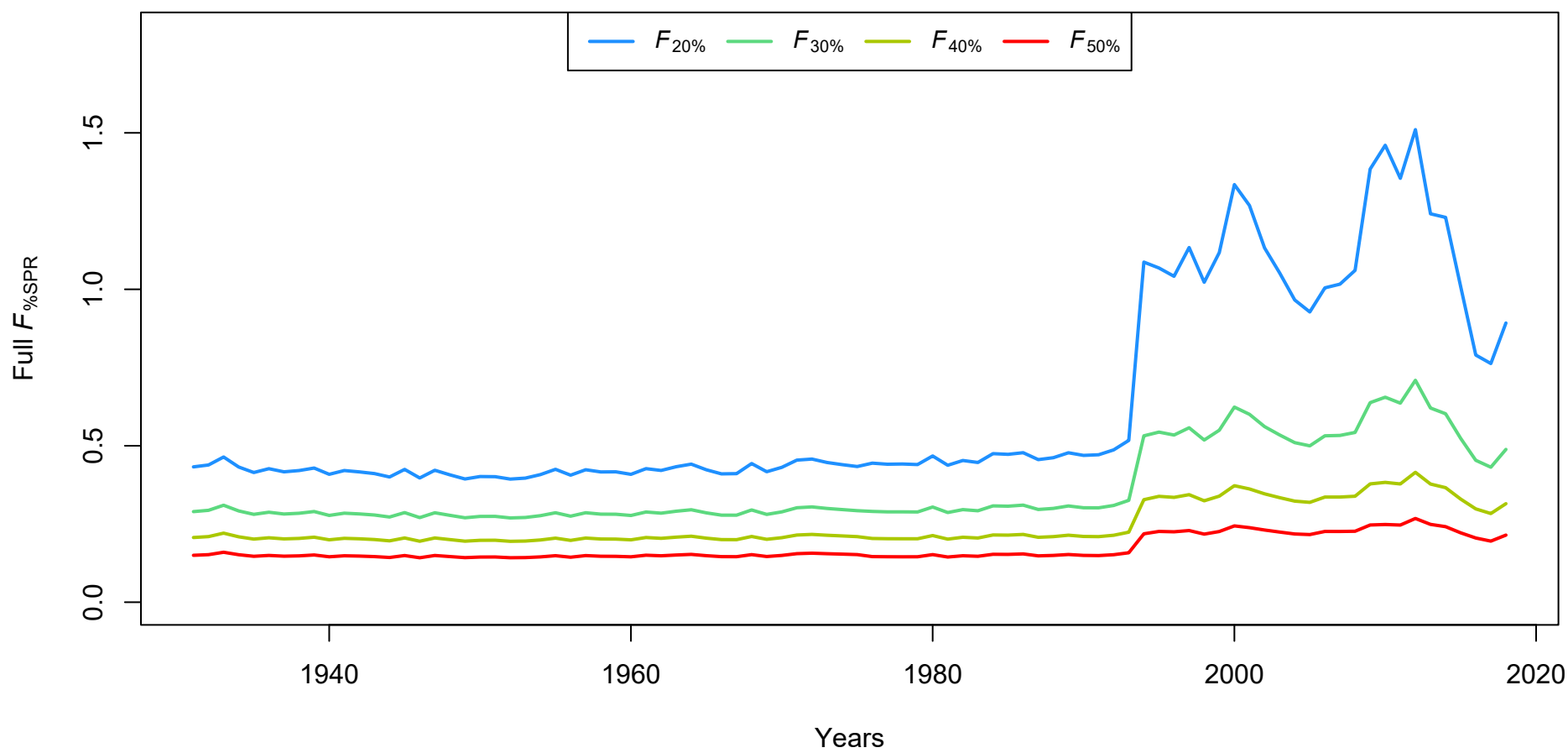
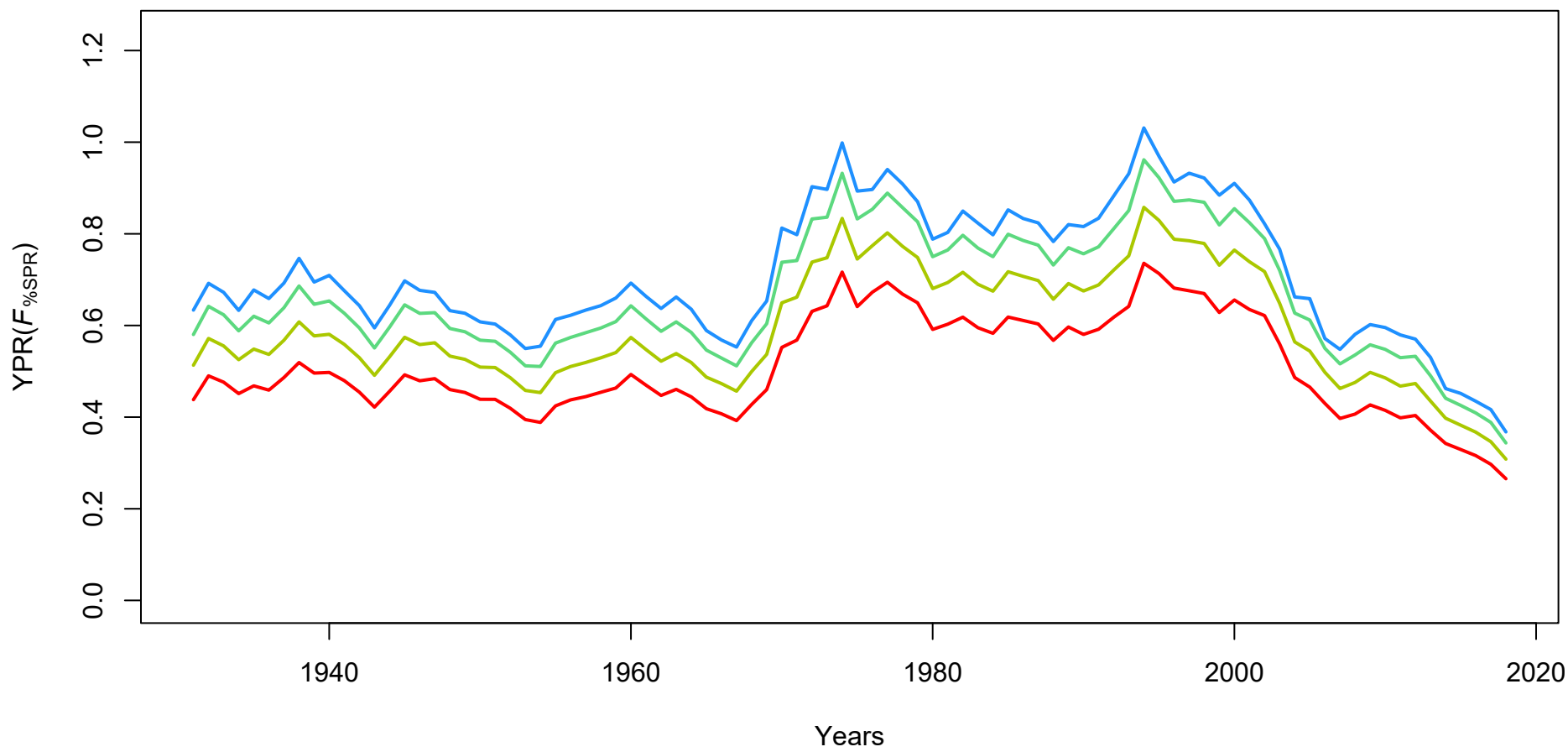


SPR Target Reference Points (Years Avg = 5)

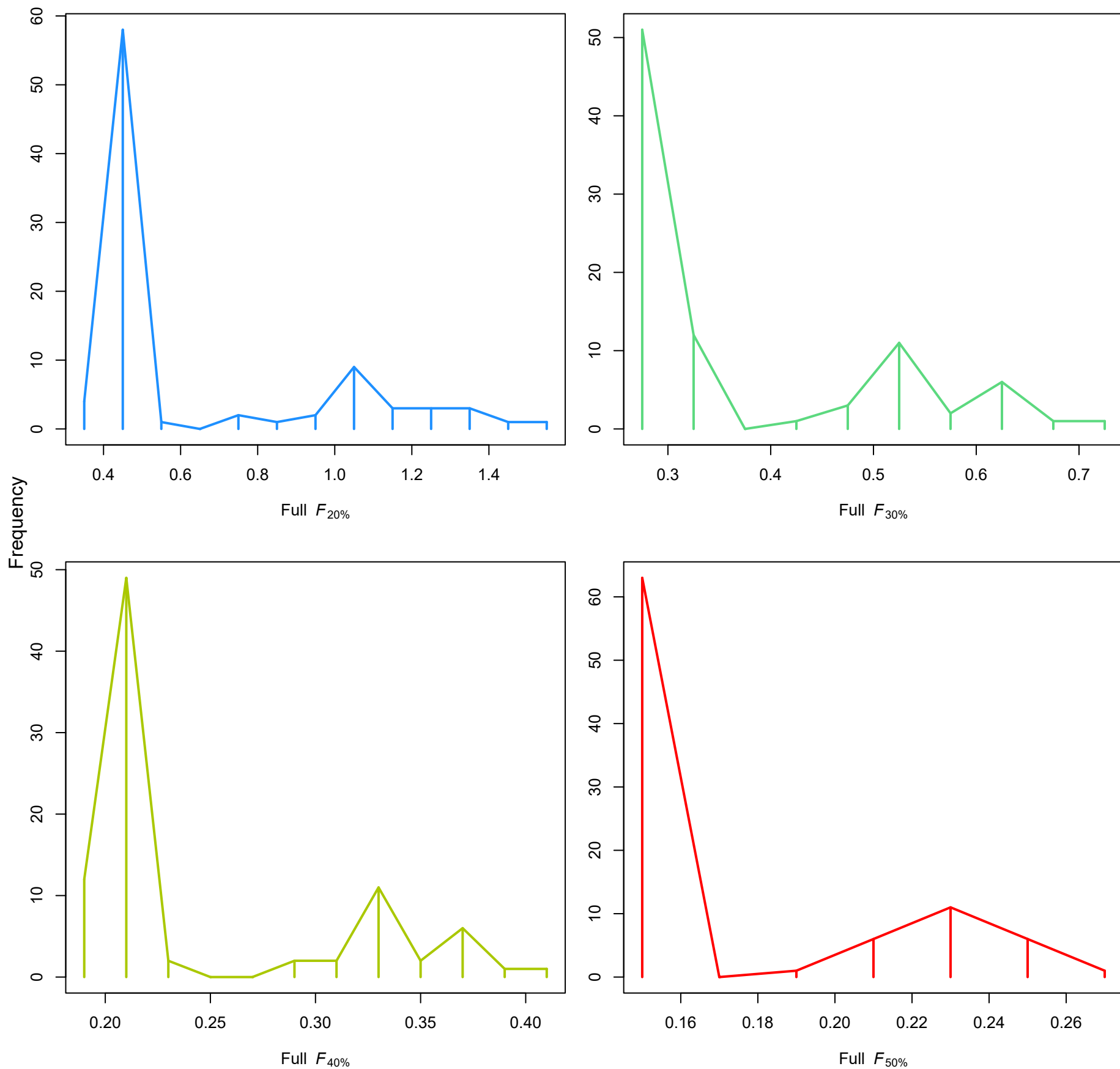


# SPR Target Reference Points (Years Avg = 5)

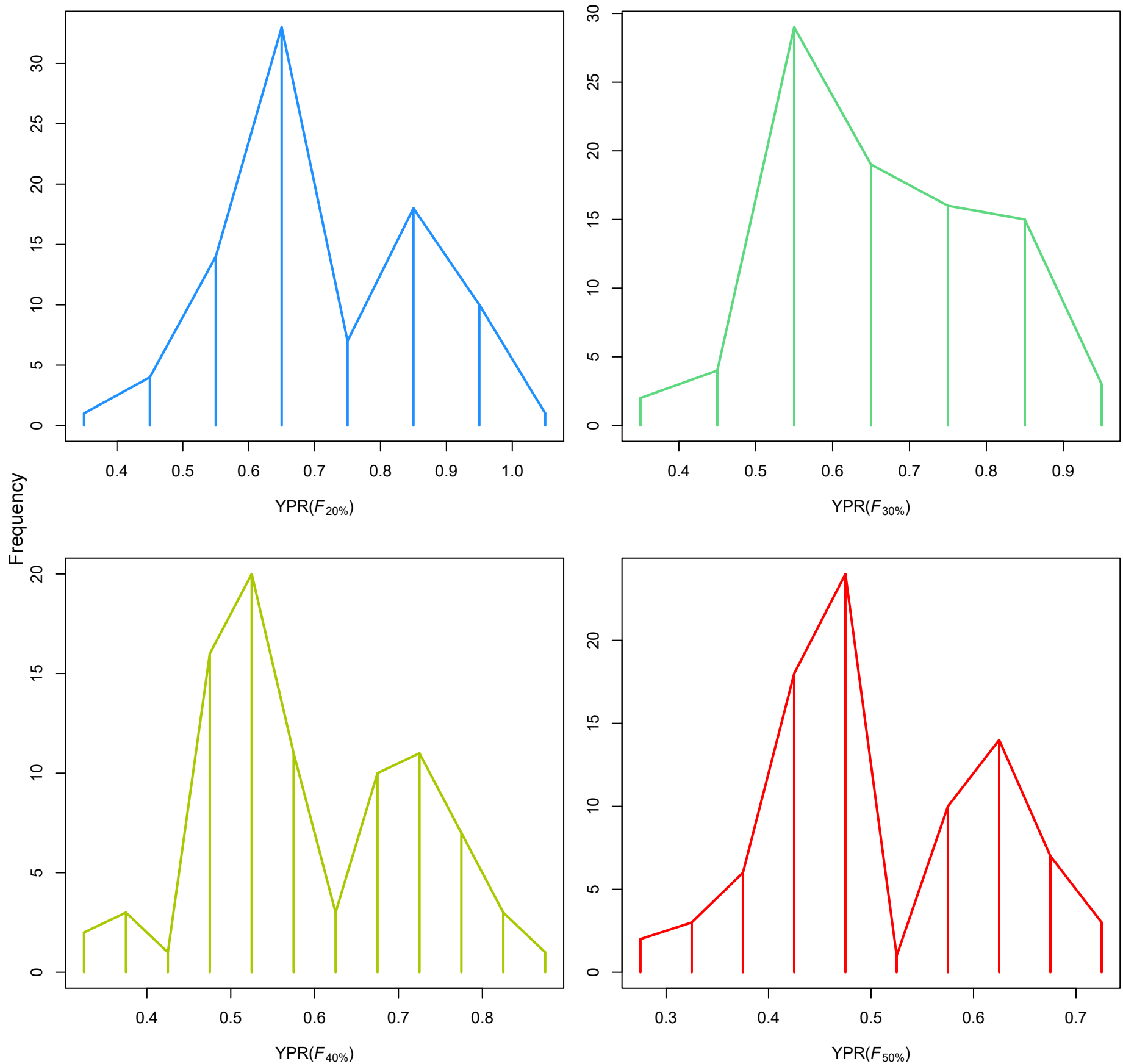
% SPR	F(%SPR)	YPR
0.2	0.9142	0.4265
0.25	0.6494	0.4165
0.3	0.4932	0.4011
0.35	0.39	0.3818
0.4	0.3159	0.3597
0.45	0.2593	0.3354
0.5	0.2144	0.3094
0.55	0.1775	0.282
0.6	0.1464	0.2535
0.65	0.1197	0.2241
0.7	0.0965	0.1938
0.75	0.0759	0.1628
0.8	0.0576	0.1313

Annual  $F_{\%SPR}$  Reference PointsAnnual  $YPR(F_{\%SPR})$  Reference Points

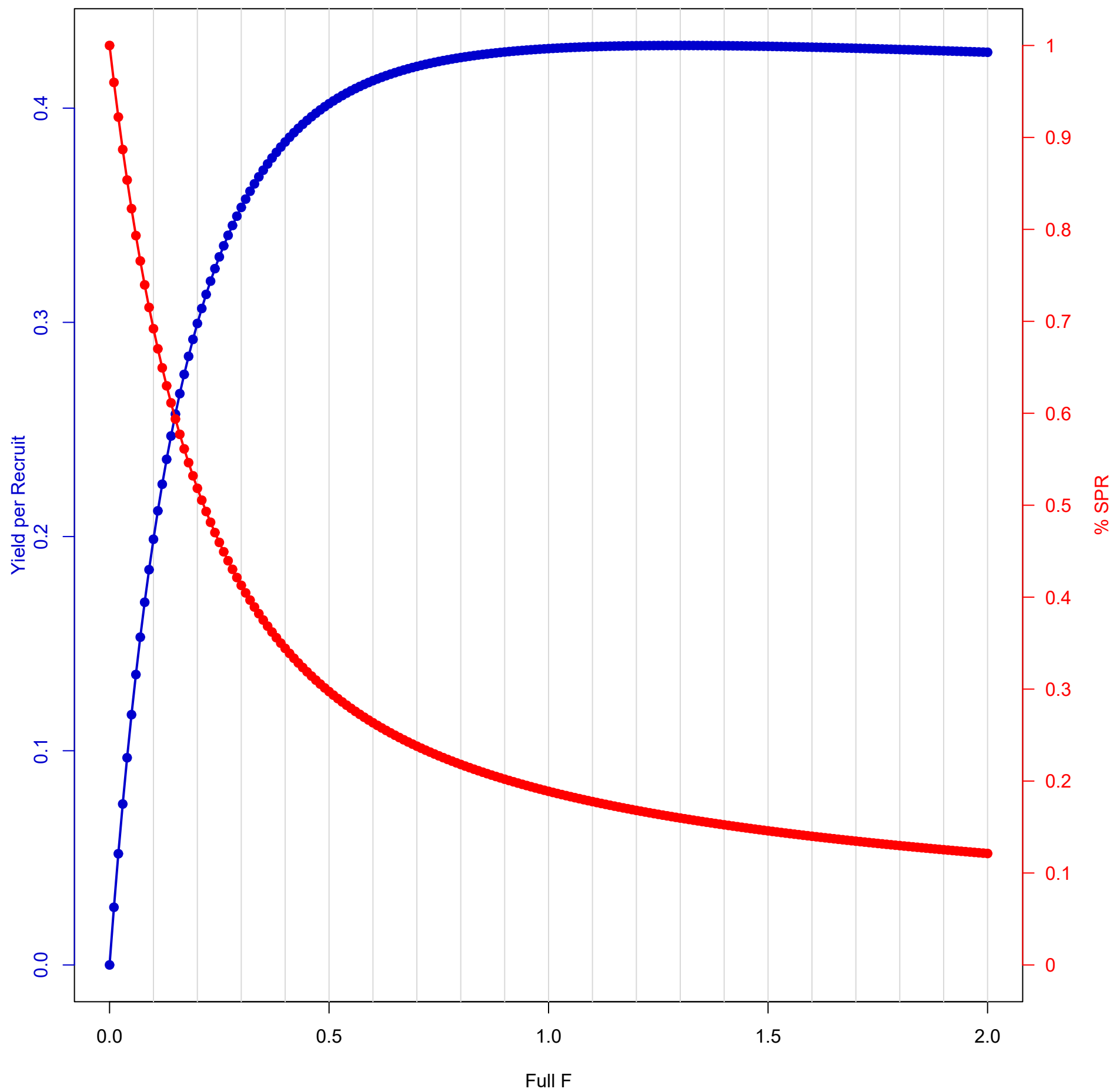
# Frequencies of Annual $F_{\%SPR}$ Reference Points



# Frequencies of Annual YPR( $F_{\%SPR}$ ) Reference Points



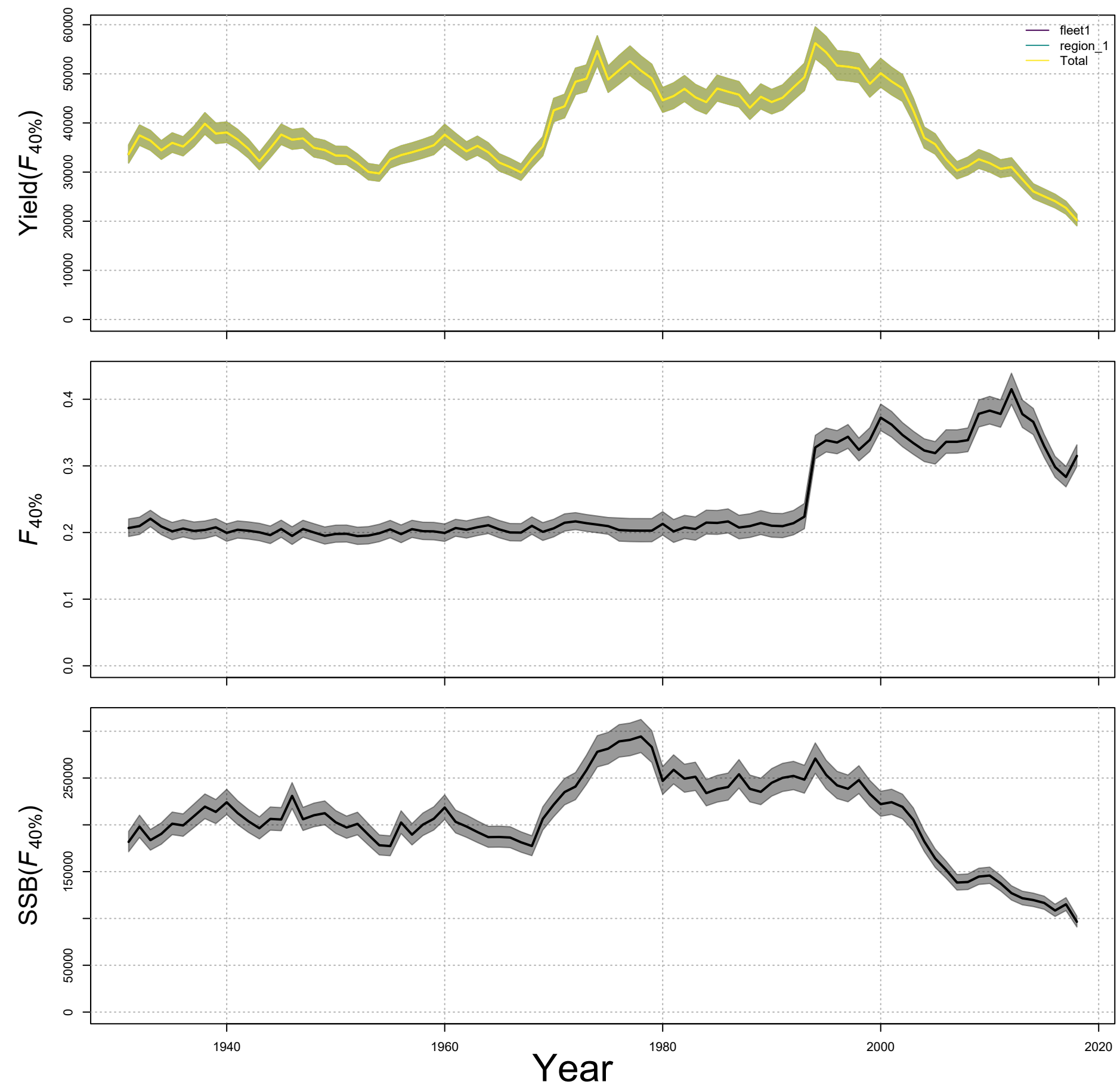
YPR-SPR Reference Points (Years Avg = 5)



# YPR-SPR Reference Points (Years Avg = 5)

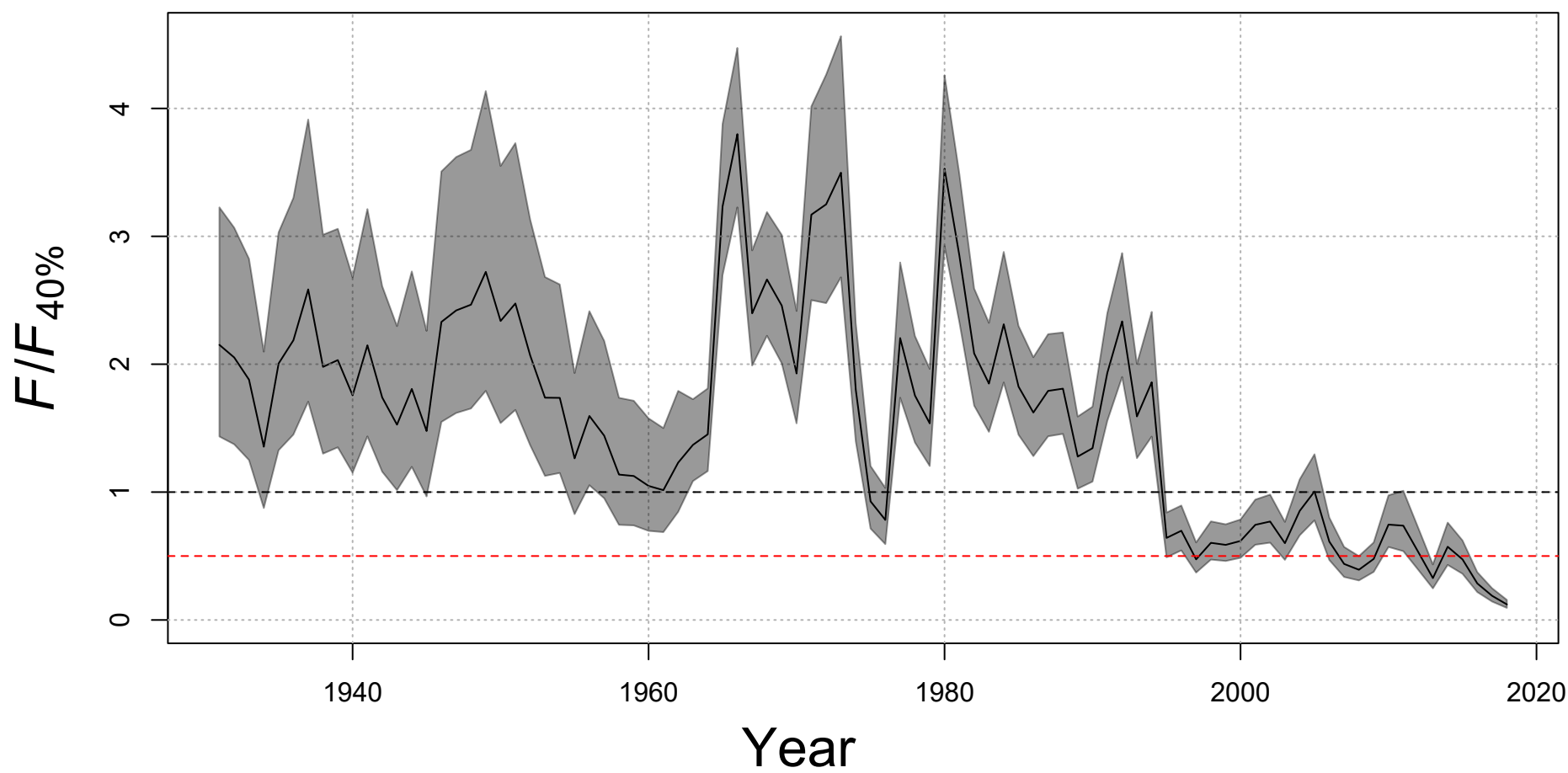
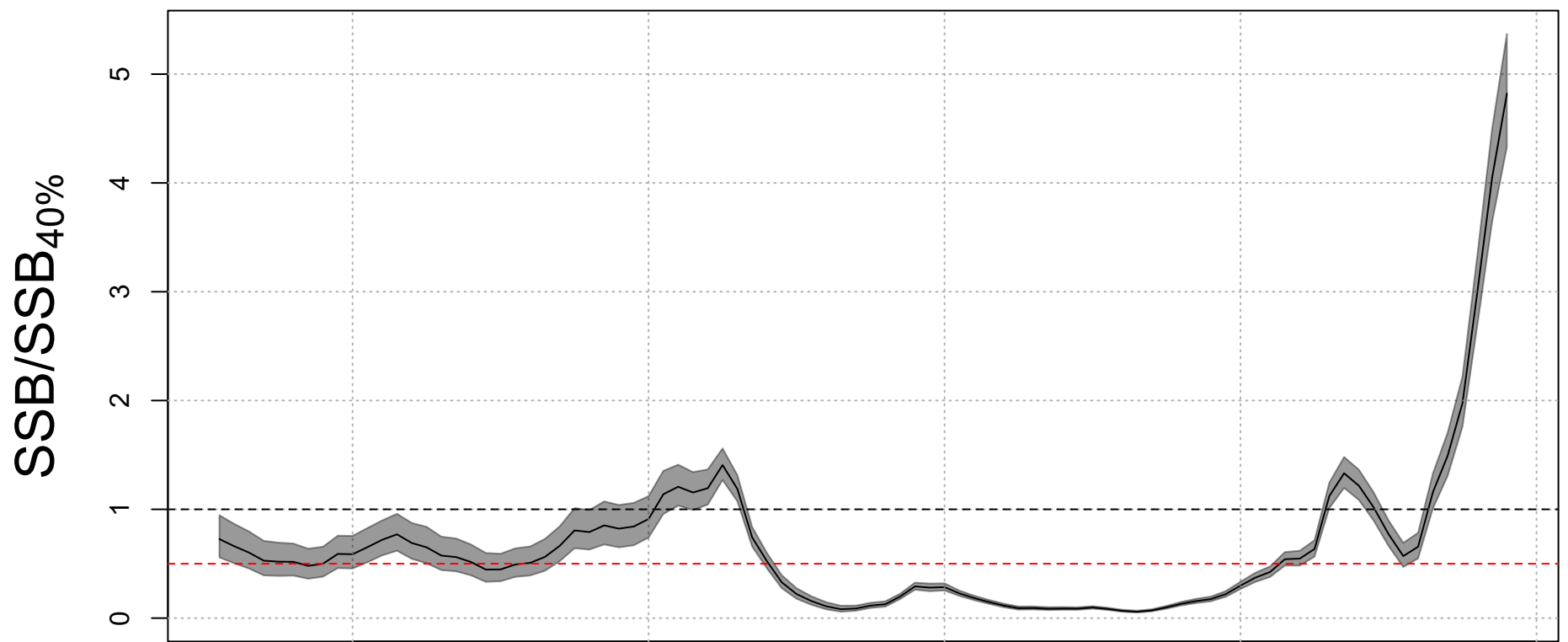
F	YPR	SPR	F	YPR	SPR	F	YPR	SPR
0	0	1	0.35	0.371	0.3751	0.7	0.4195	0.2379
0.01	0.0269	0.9598	0.36	0.374	0.3685	0.71	0.42	0.2357
0.02	0.0519	0.9222	0.37	0.3767	0.3621	0.72	0.4205	0.2336
0.03	0.0751	0.8868	0.38	0.3794	0.3559	0.73	0.4209	0.2315
0.04	0.0967	0.8537	0.39	0.3818	0.35	0.74	0.4214	0.2294
0.05	0.1168	0.8225	0.4	0.3842	0.3443	0.75	0.4218	0.2274
0.06	0.1356	0.7932	0.41	0.3864	0.3388	0.76	0.4222	0.2255
0.07	0.153	0.7656	0.42	0.3885	0.3335	0.77	0.4226	0.2235
0.08	0.1693	0.7396	0.43	0.3906	0.3284	0.78	0.4229	0.2217
0.09	0.1845	0.7151	0.44	0.3925	0.3235	0.79	0.4233	0.2198
0.1	0.1987	0.692	0.45	0.3943	0.3188	0.8	0.4236	0.218
0.11	0.212	0.6701	0.46	0.396	0.3142	0.81	0.4239	0.2163
0.12	0.2244	0.6494	0.47	0.3976	0.3097	0.82	0.4242	0.2146
0.13	0.2361	0.6298	0.48	0.3992	0.3055	0.83	0.4245	0.2129
0.14	0.2469	0.6113	0.49	0.4007	0.3013	0.84	0.4248	0.2112
0.15	0.2571	0.5937	0.5	0.4021	0.2973	0.85	0.4251	0.2096
0.16	0.2667	0.5771	0.51	0.4034	0.2934	0.86	0.4253	0.2081
0.17	0.2757	0.5613	0.52	0.4047	0.2897	0.87	0.4256	0.2065
0.18	0.2841	0.5463	0.53	0.4059	0.286	0.88	0.4258	0.205
0.19	0.292	0.532	0.54	0.407	0.2825	0.89	0.426	0.2035
0.2	0.2995	0.5184	0.55	0.4081	0.2791	0.9	0.4262	0.202
0.21	0.3065	0.5055	0.56	0.4091	0.2758	0.91	0.4264	0.2006
0.22	0.313	0.4932	0.57	0.4101	0.2725	0.92	0.4266	0.1992
0.23	0.3192	0.4814	0.58	0.4111	0.2694	0.93	0.4268	0.1978
0.24	0.3251	0.4702	0.59	0.412	0.2664	0.94	0.4269	0.1965
0.25	0.3306	0.4595	0.6	0.4128	0.2634	0.95	0.4271	0.1951
0.26	0.3357	0.4493	0.61	0.4136	0.2606	0.96	0.4273	0.1938
0.27	0.3406	0.4396	0.62	0.4144	0.2578	0.97	0.4274	0.1925
0.28	0.3452	0.4303	0.63	0.4152	0.255	0.98	0.4275	0.1913
0.29	0.3496	0.4214	0.64	0.4159	0.2524	0.99	0.4277	0.19
0.3	0.3537	0.4128	0.65	0.4165	0.2498	1	0.4278	0.1888
0.31	0.3575	0.4046	0.66	0.4172	0.2473	1.01	0.4279	0.1876
0.32	0.3612	0.3968	0.67	0.4178	0.2449	1.02	0.428	0.1864
0.33	0.3647	0.3893	0.68	0.4184	0.2425	1.03	0.4281	0.1853
0.34	0.3679	0.3821	0.69	0.4189	0.2402	1.04	0.4282	0.1841

Annual inputs used in per recruit calculations





Annual inputs used in per recruit calculations



Averaged inputs for per recruit calculations

