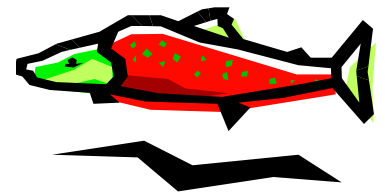


COMMUNICATING RESULTS TO THE DECISION MAKERS

Lessons learned: the good, the bad and the intractable

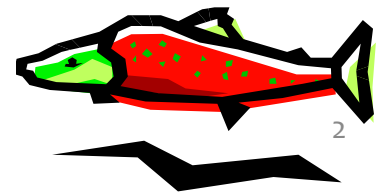
Ann-Marie Huang
Fisheries & Oceans Canada





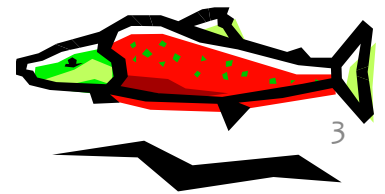
- what worked
- what didn't work
- new things we're trying
- intractable problem

WHY BOTHER? WHY ME?

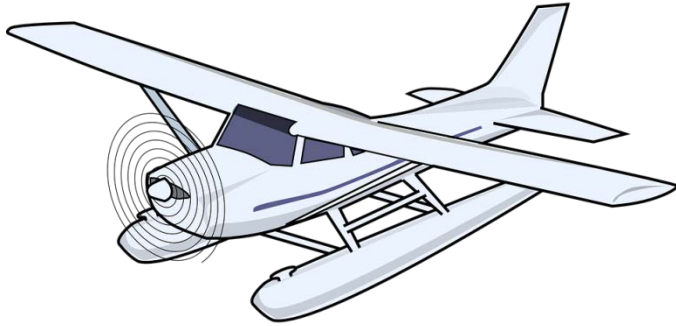


- analogies
- having a plan B re: feedback/workplan/priorities
- send .pdfs not .xls

WHAT WORKED



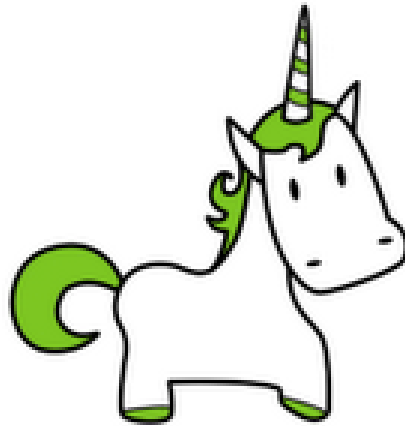
Project Purpose:



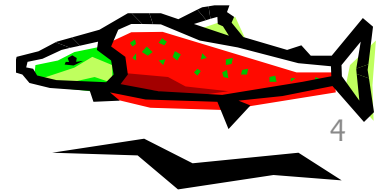
no engine = safe fail



no engine = spectacular fail

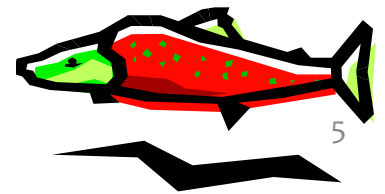


fail safe
(i.e. doesn't exist)
(...sorry...)



- analogies
- having a plan B re: feedback/workplan/priorities
- send .pdfs not .xls

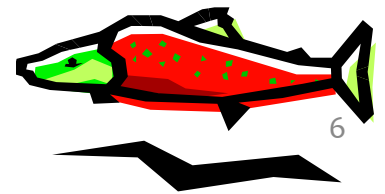
WHAT WORKED





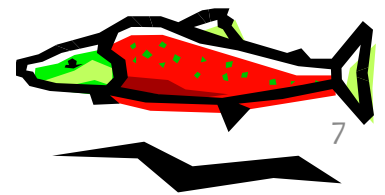
- doing the “what” without addressing the “why”
- providing too much context
- expecting people to prepare ahead of time
- not repeating new concepts

WHAT DIDN'T WORK

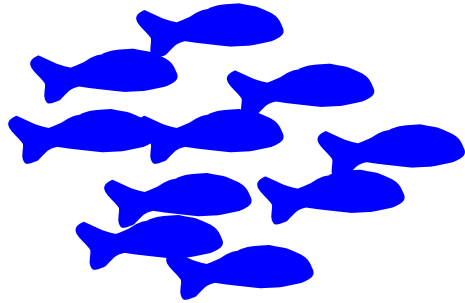


fewer words, marbles & Dr. Suess

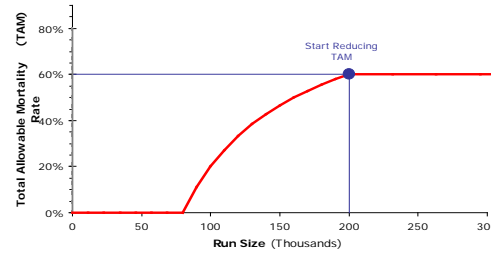
TRYING NEW THINGS



Old Way: Model Flow Diagram



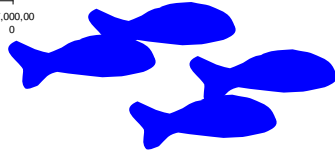
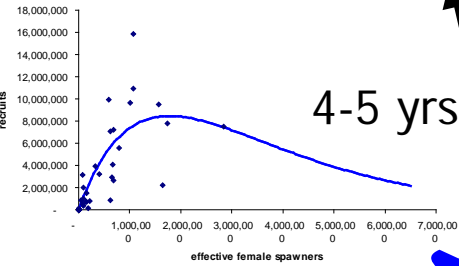
run returning



TAM Curve + MA

Repeat for 48 years

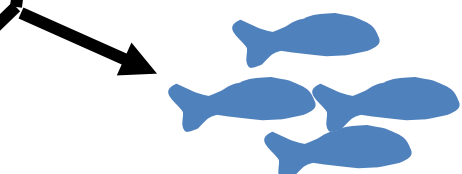
4-5 yrs



spawners



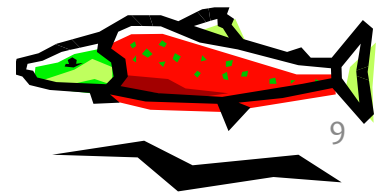
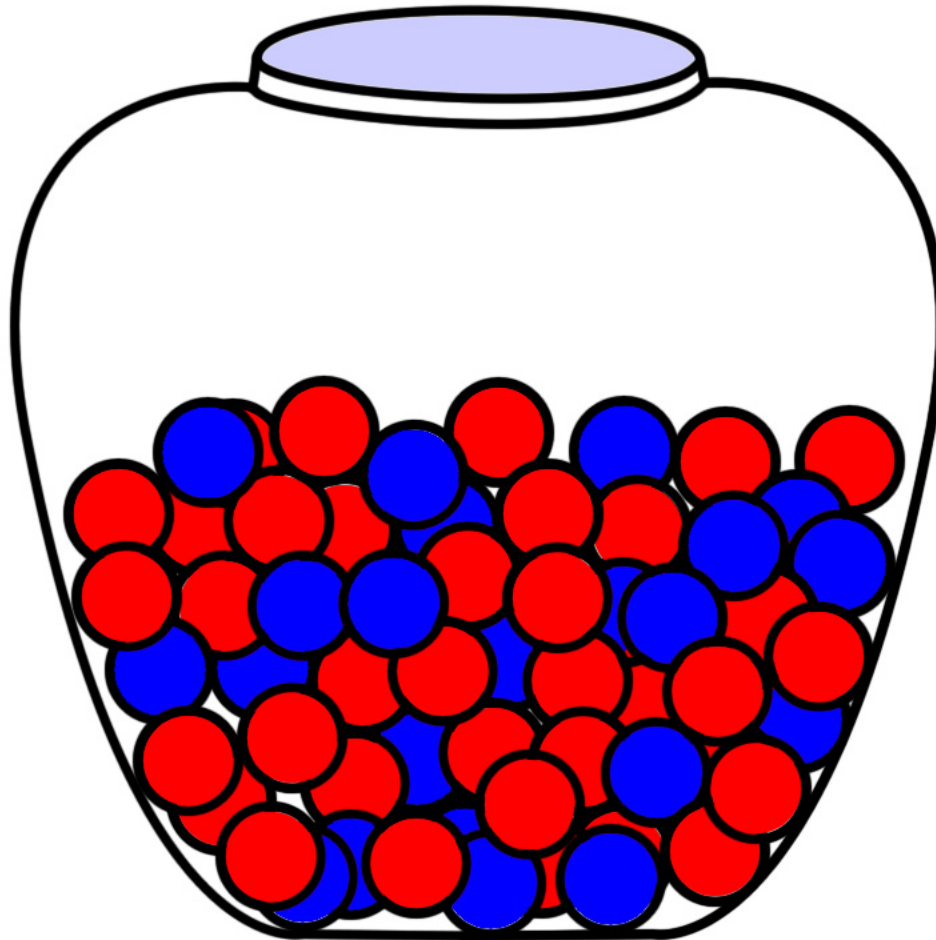
"en-route mortalities"



catch

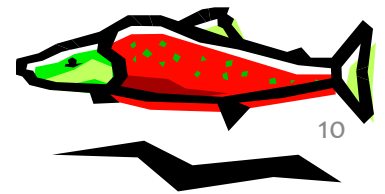


new way: marbles!



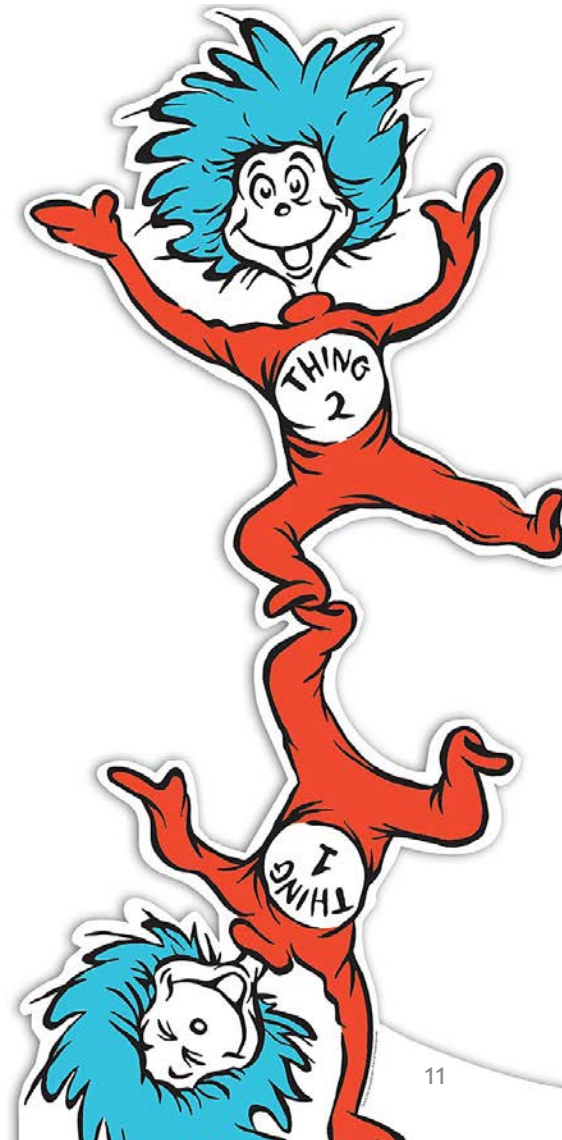
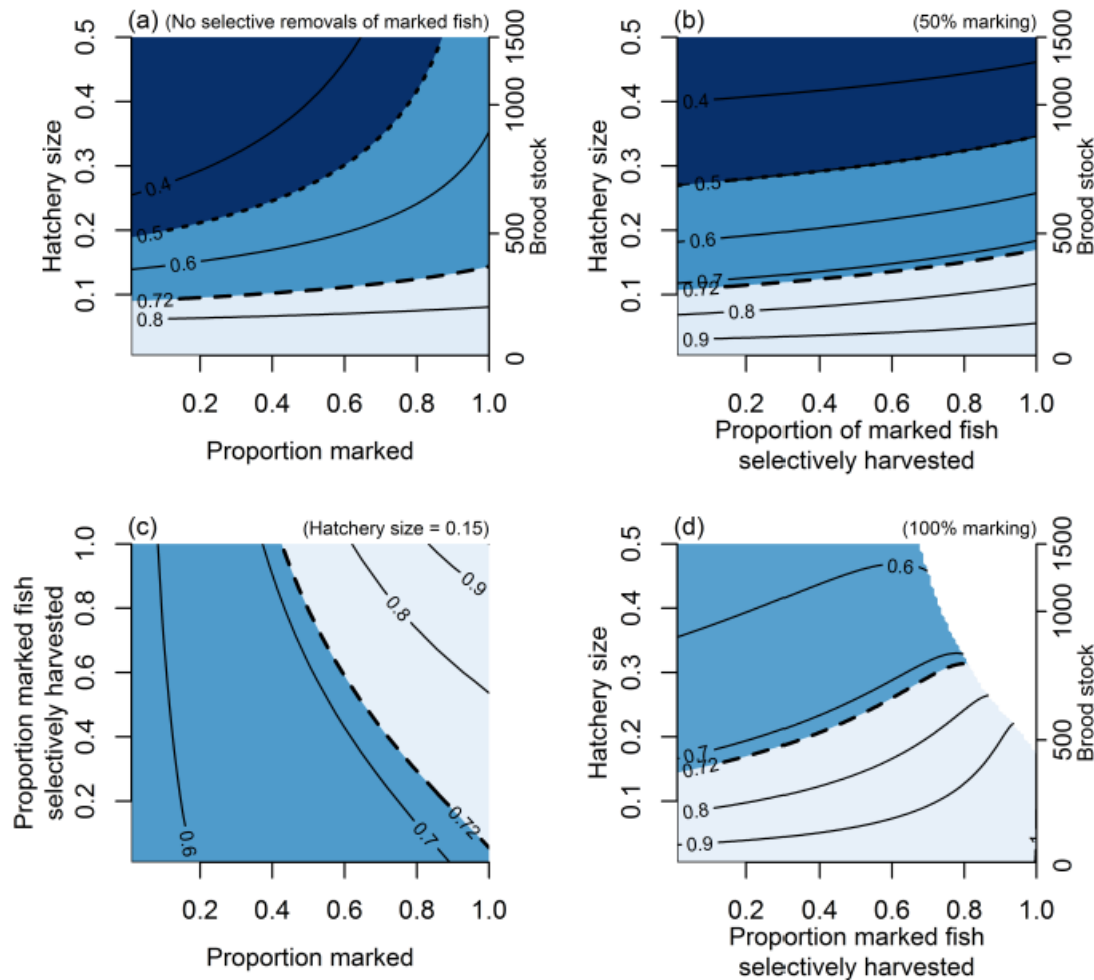
Old way: “what do you think?”

- as part of the end of meeting wrap-up
 - what plots preferred?
 - any plots you’re not enamoured with?
 - etc.

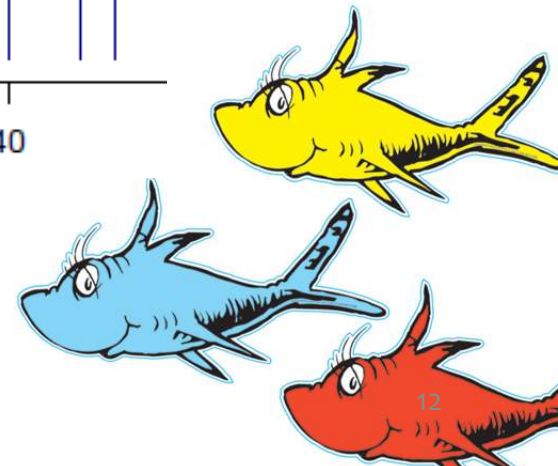
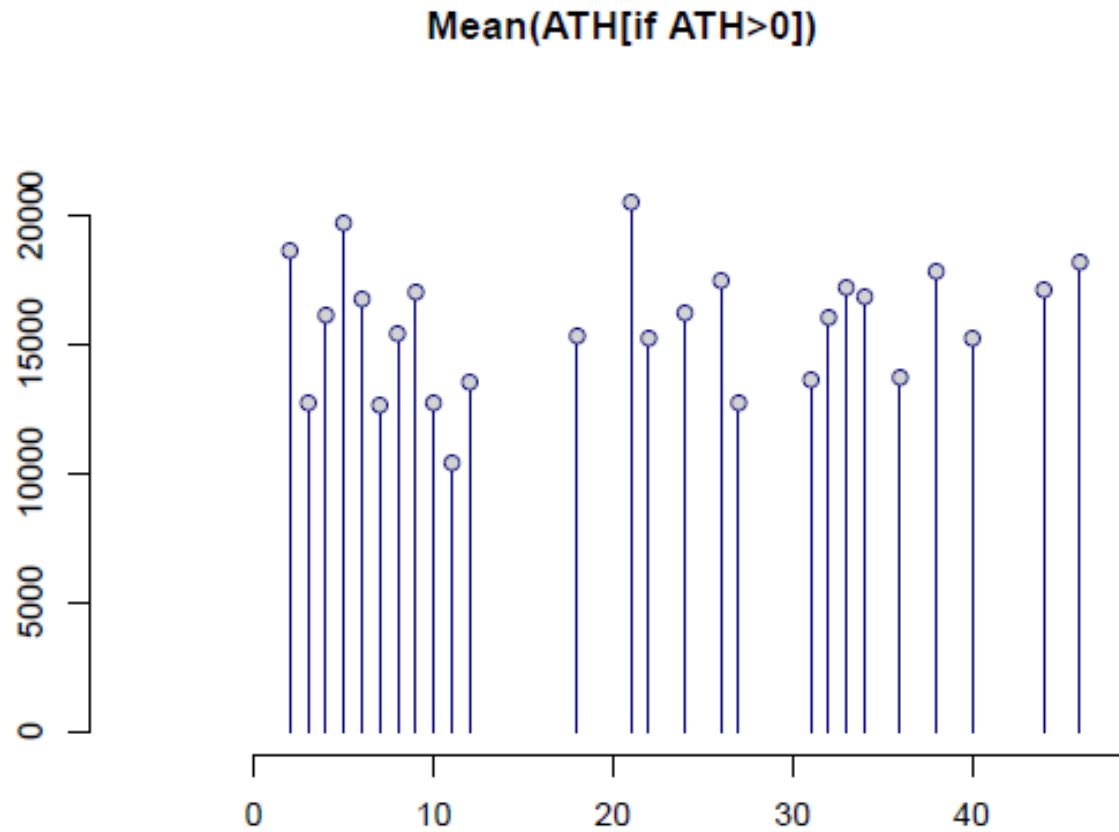


NEW WAY: THOUGHTS ON PLOTS

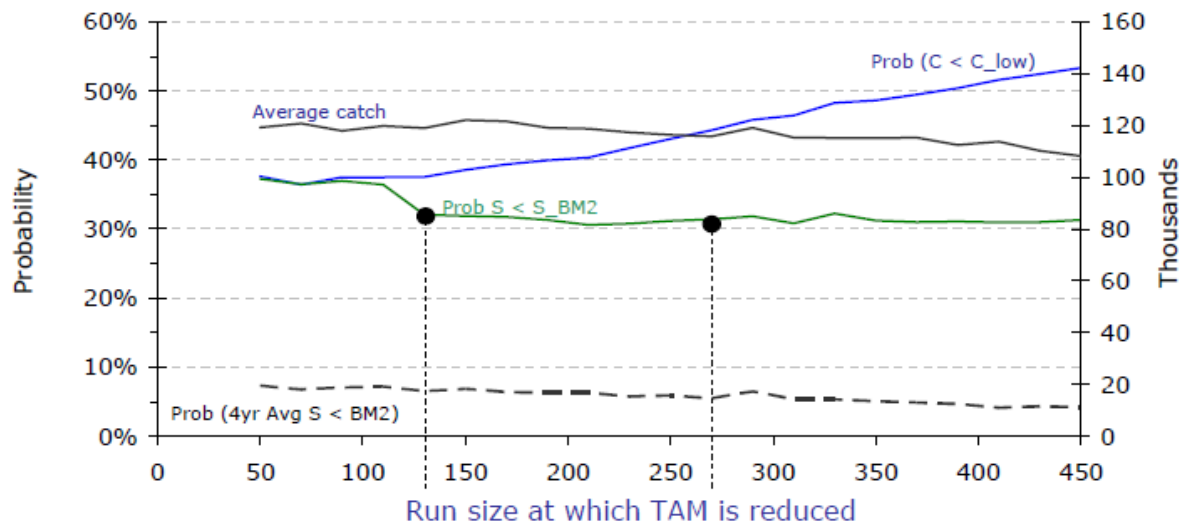
PNI



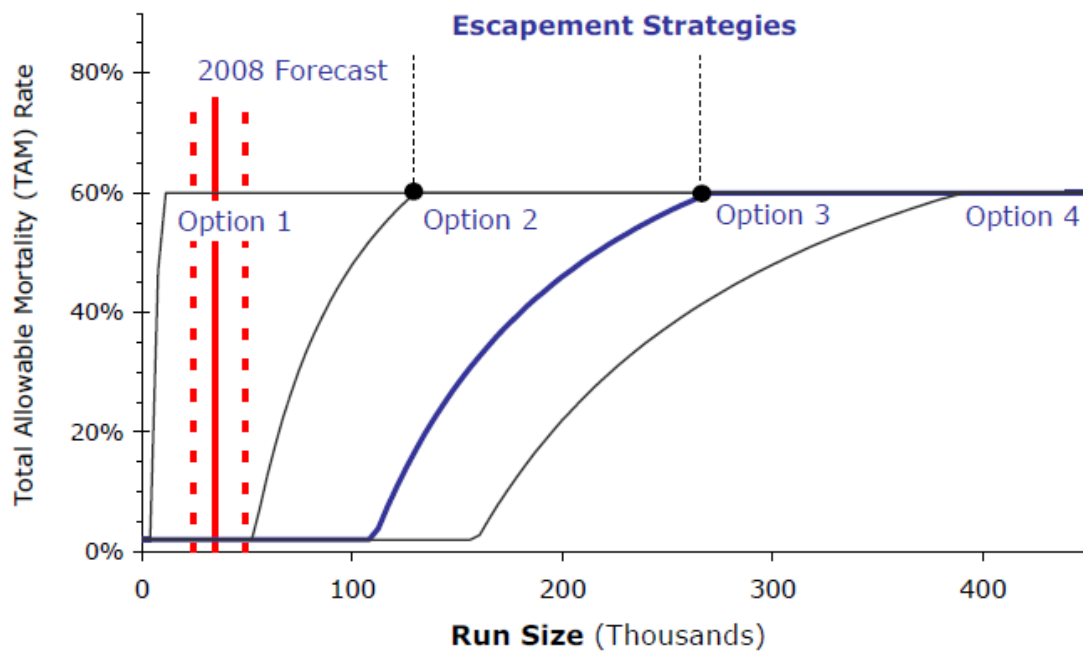
one plot



Performance Indicators

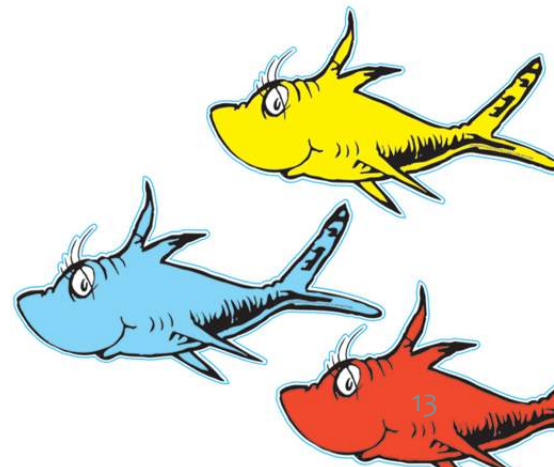


Escapement Strategies

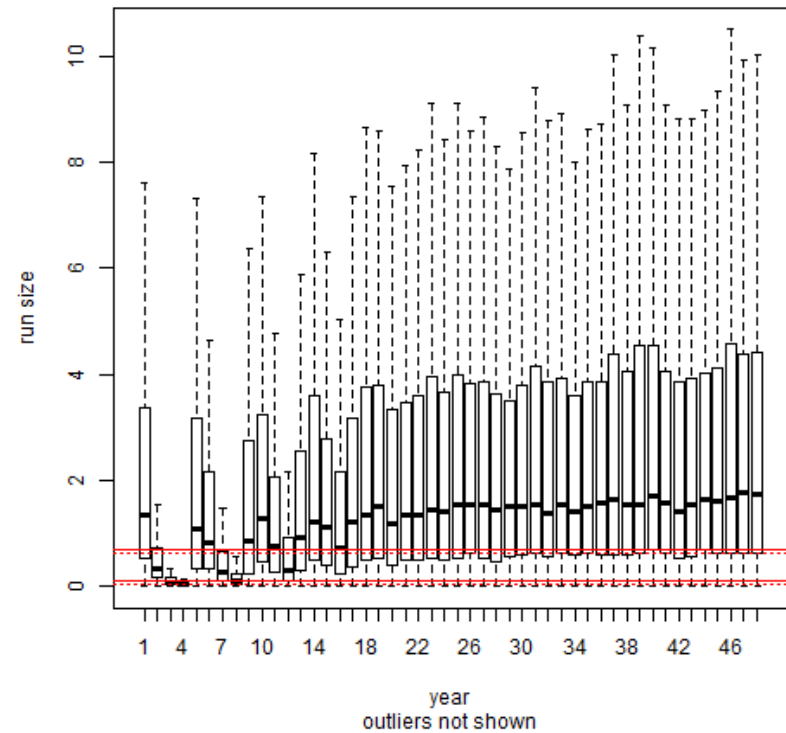
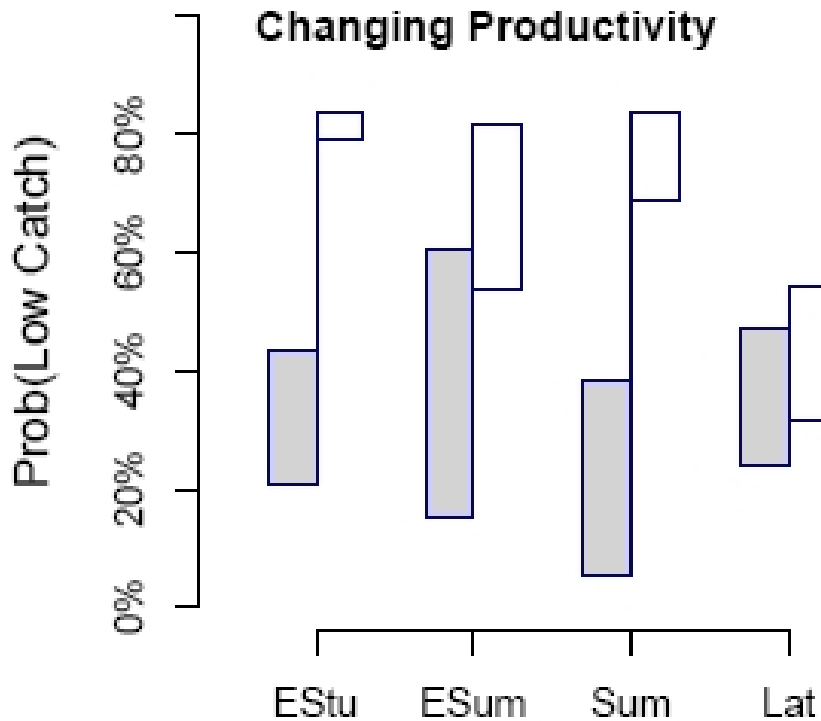
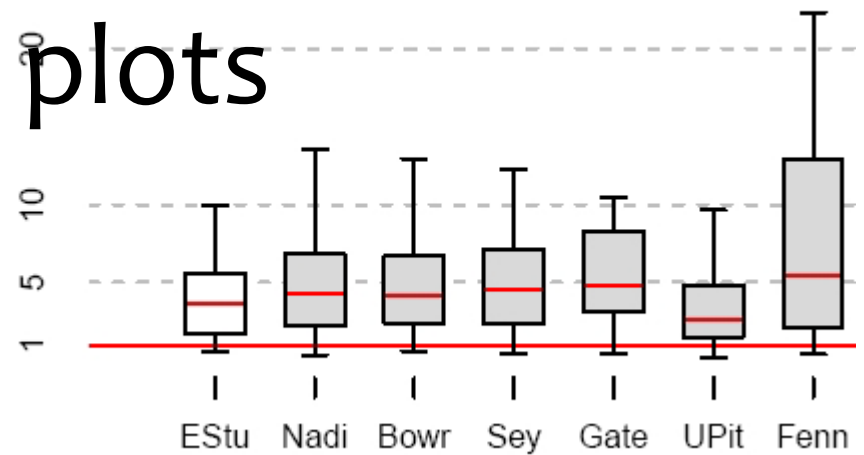
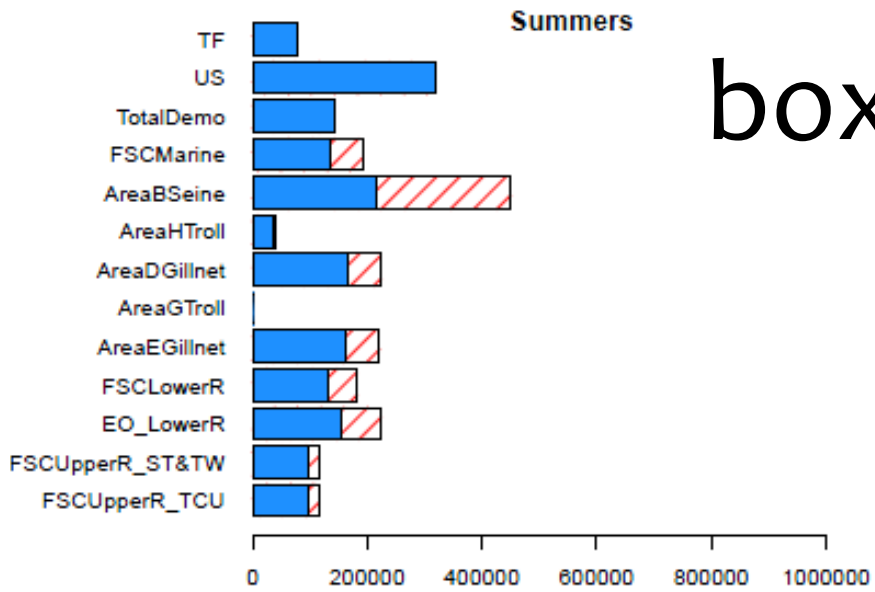


two plots

Figure 9: Sample simulation results and options for Early Stuart sockeye.

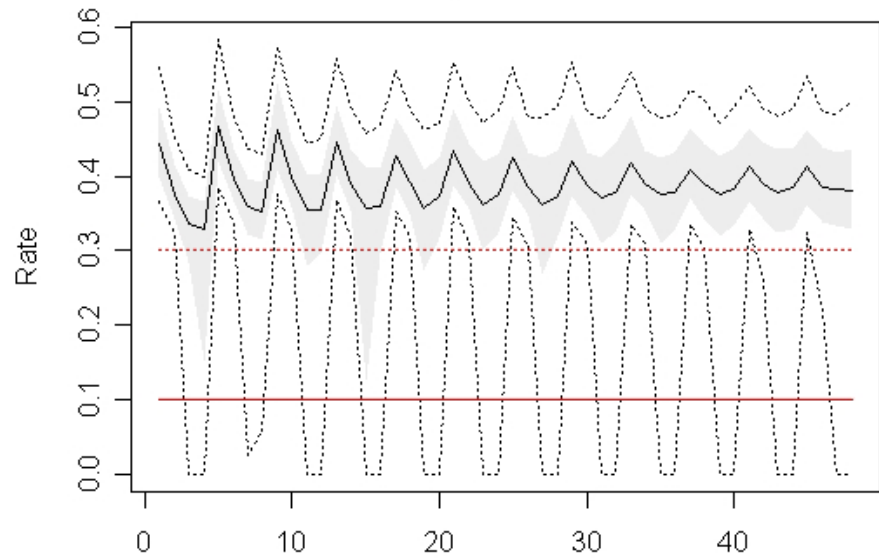


box plots

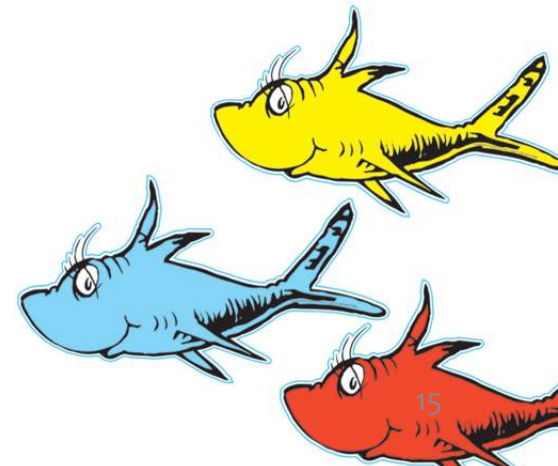
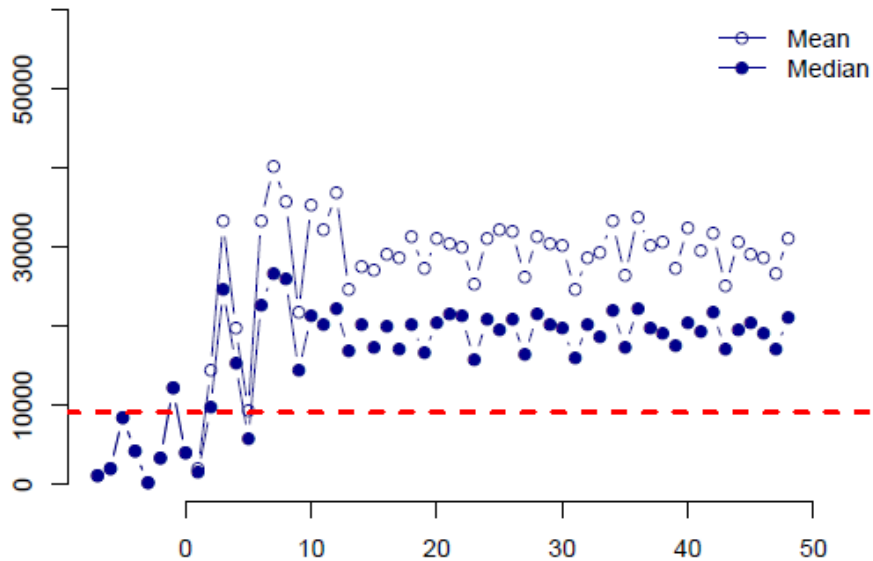
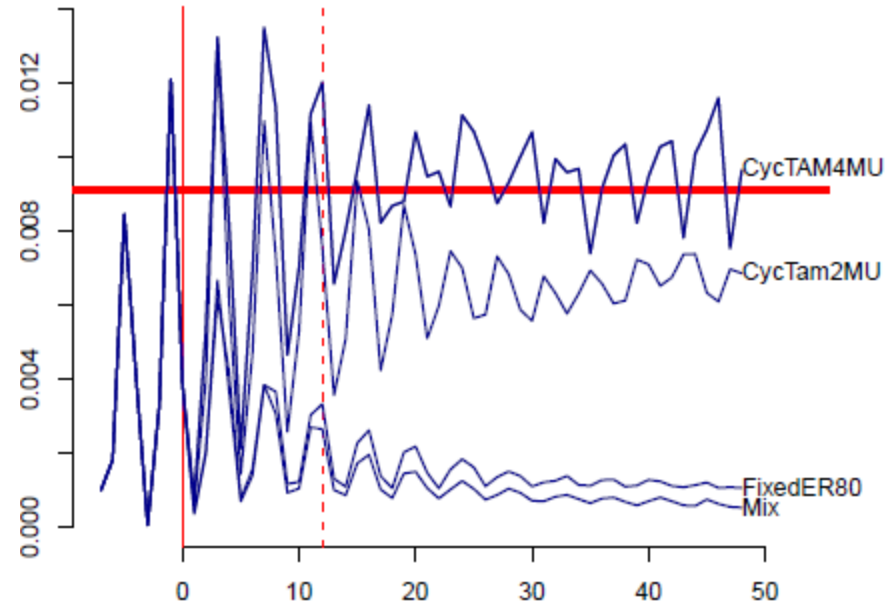


line plots

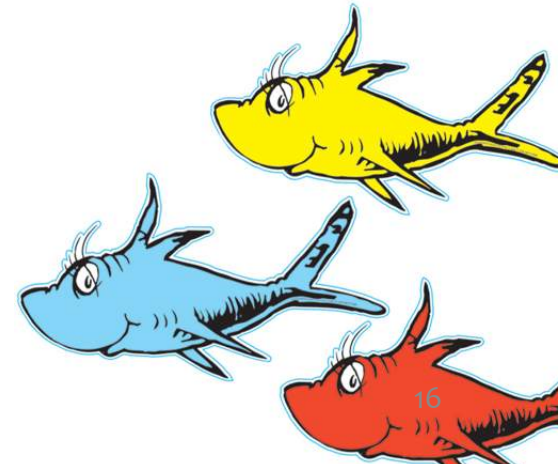
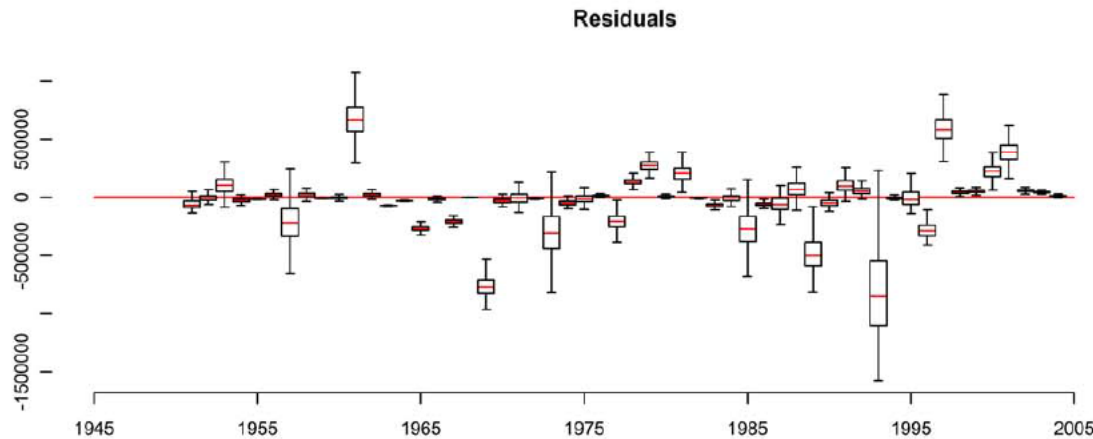
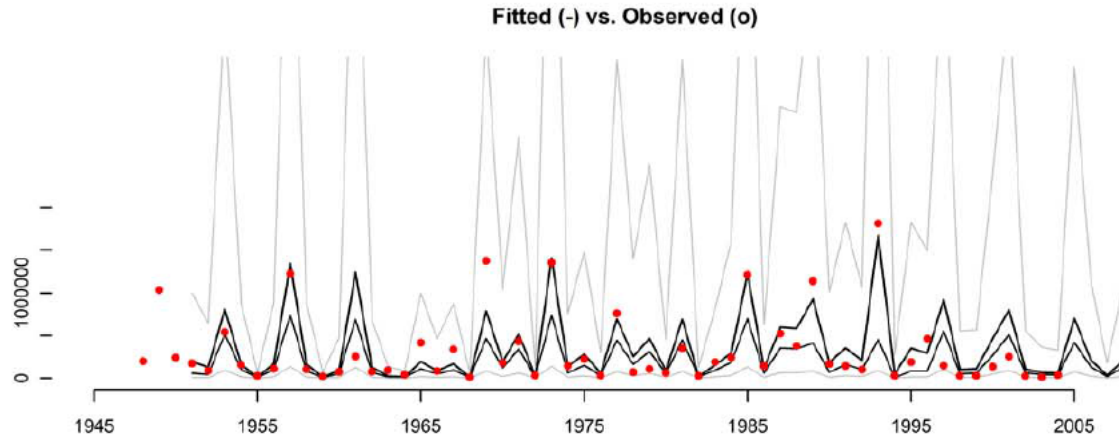
Expl. Rate



Spn - p50 - Larkin



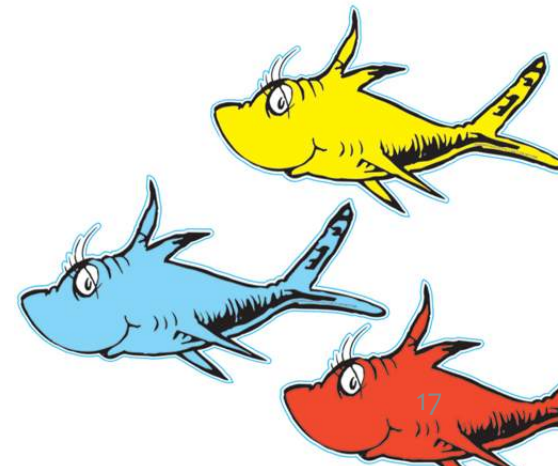
this one has the years displayed



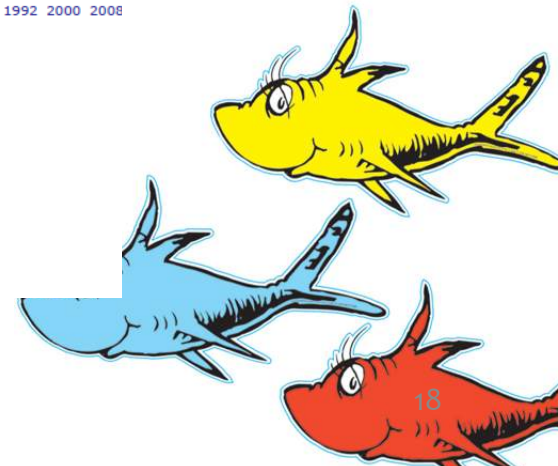
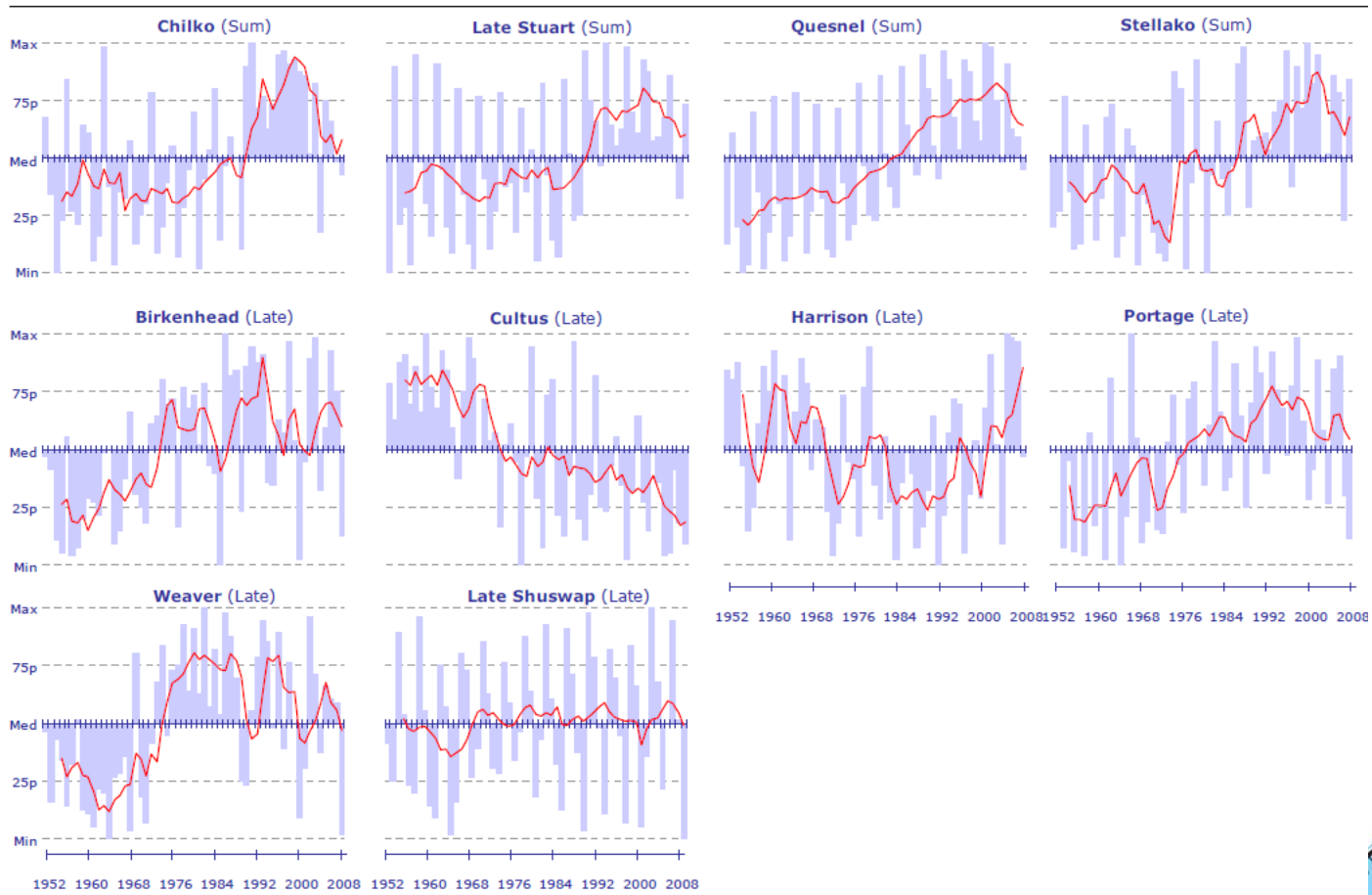
this one has a color fade

	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600
16.5	0.17	0.09	0.03	-0.02	-0.06	-0.09	-0.12	-0.13	-0.15	-0.15	-0.15	-0.14	-0.12	-0.10	-0.07	-0.03	0.01	0.07
16.8	0.17	0.10	0.04	-0.01	-0.06	-0.09	-0.11	-0.13	-0.14	-0.15	-0.15	-0.14	-0.12	-0.10	-0.07	-0.03	0.02	0.07
17.0	0.18	0.11	0.05	-0.01	-0.05	-0.08	-0.11	-0.12	-0.14	-0.14	-0.14	-0.13	-0.11	-0.09	-0.06	-0.02	0.02	0.08
17.3	0.20	0.12	0.06	0.01	-0.04	-0.07	-0.09	-0.11	-0.12	-0.13	-0.13	-0.12	-0.10	-0.08	-0.05	-0.01	0.04	0.10
17.5	0.22	0.14	0.08	0.03	-0.02	-0.05	-0.08	-0.10	-0.11	-0.11	-0.11	-0.10	-0.09	-0.06	-0.03	0.01	0.06	0.12
17.8	0.25	0.17	0.10	0.05	0.00	-0.03	-0.06	-0.08	-0.09	-0.09	-0.09	-0.08	-0.07	-0.04	-0.01	0.03	0.08	0.14
18.0	0.28	0.20	0.13	0.08	0.03	0.00	-0.03	-0.05	-0.06	-0.07	-0.07	-0.06	-0.04	-0.02	0.02	0.06	0.11	0.17
18.3	0.33	0.24	0.17	0.11	0.07	0.03	0.00	-0.02	-0.03	-0.04	-0.03	-0.02	-0.01	0.02	0.05	0.09	0.15	0.21
18.5	0.38	0.29	0.22	0.16	0.11	0.07	0.04	0.02	0.01	0.00	0.00	0.01	0.03	0.06	0.09	0.14	0.19	0.26
18.8	0.43	0.34	0.27	0.21	0.15	0.11	0.08	0.06	0.05	0.04	0.05	0.06	0.07	0.10	0.14	0.18	0.24	0.31
19.0	0.50	0.41	0.33	0.26	0.21	0.17	0.14	0.11	0.10	0.09	0.10	0.11	0.13	0.15	0.19	0.24	0.30	0.38
19.3	0.58	0.48	0.40	0.33	0.27	0.23	0.20	0.17	0.16	0.15	0.15	0.16	0.19	0.22	0.26	0.31	0.37	0.45
19.5	0.68	0.57	0.48	0.41	0.35	0.30	0.27	0.24	0.22	0.22	0.22	0.23	0.25	0.29	0.33	0.38	0.45	0.53
19.8	0.78	0.67	0.57	0.50	0.43	0.38	0.35	0.32	0.30	0.29	0.30	0.31	0.33	0.37	0.41	0.47	0.54	0.63
20.0	0.90	0.78	0.68	0.60	0.53	0.48	0.44	0.41	0.39	0.38	0.39	0.40	0.42	0.46	0.51	0.57	0.65	0.74
20.3	1.04	0.91	0.81	0.72	0.64	0.59	0.54	0.51	0.49	0.48	0.49	0.50	0.53	0.57	0.62	0.69	0.77	0.87
20.5	1.20	1.06	0.95	0.85	0.77	0.71	0.66	0.63	0.61	0.60	0.61	0.62	0.65	0.69	0.75	0.82	0.91	1.02

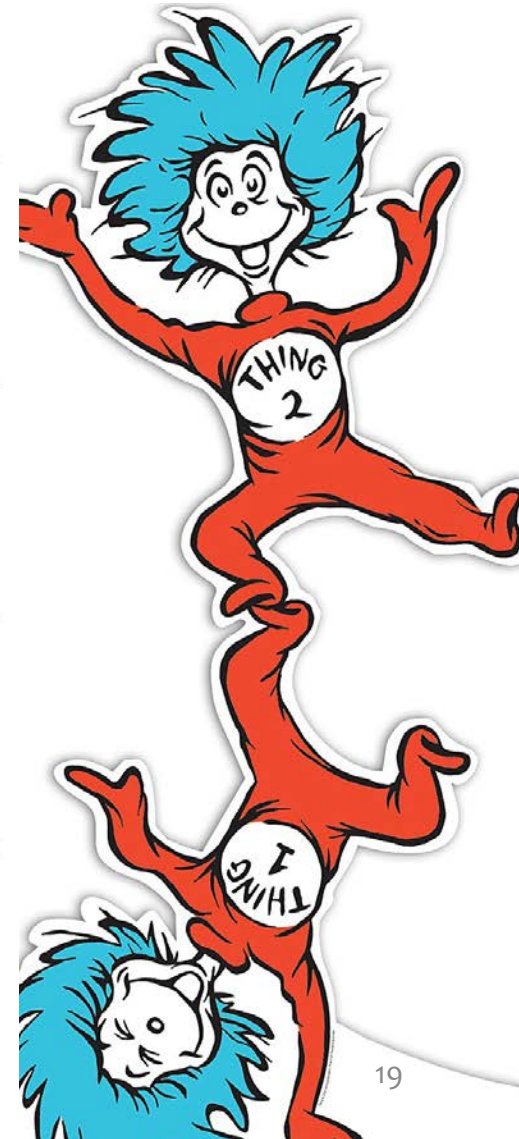
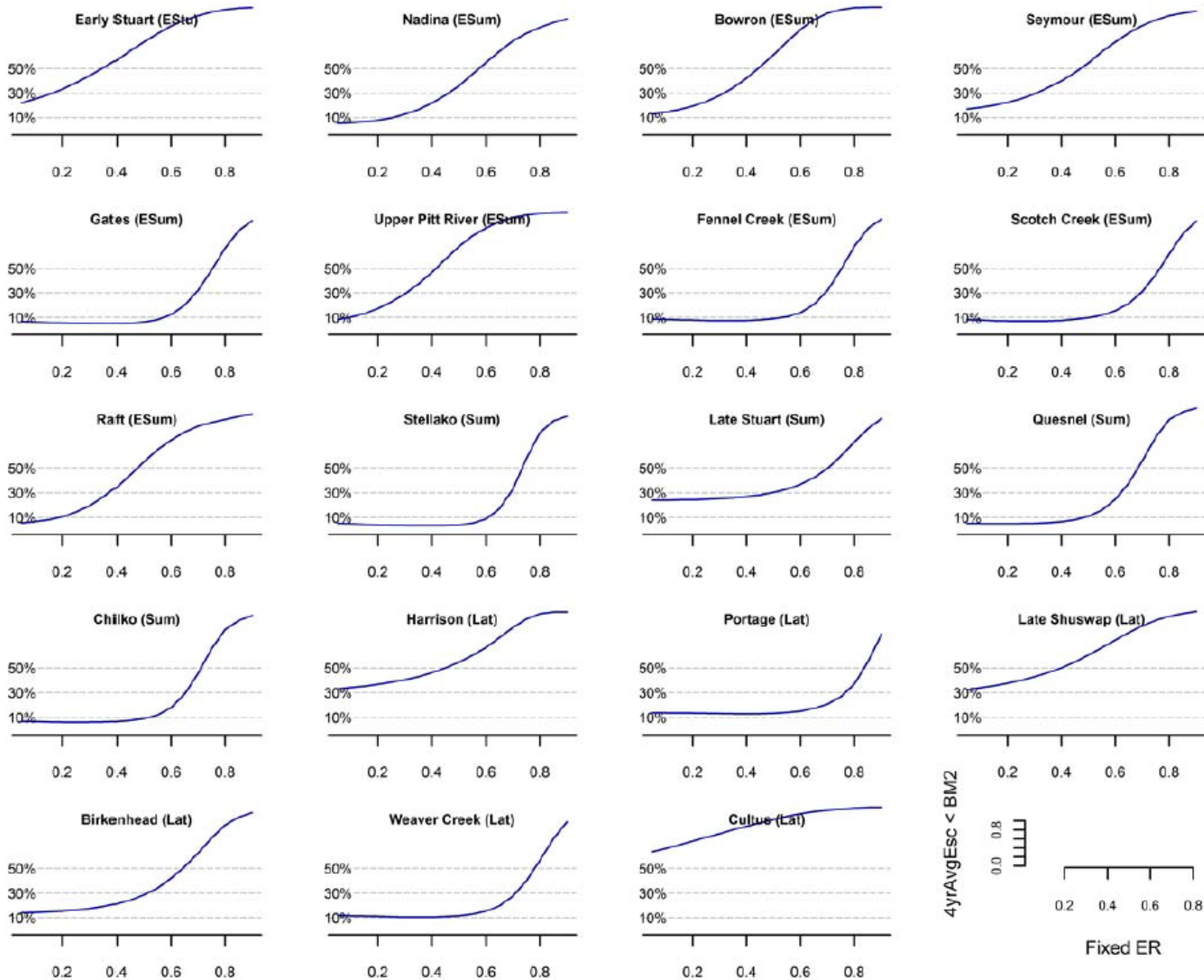
source: psc



SAY.

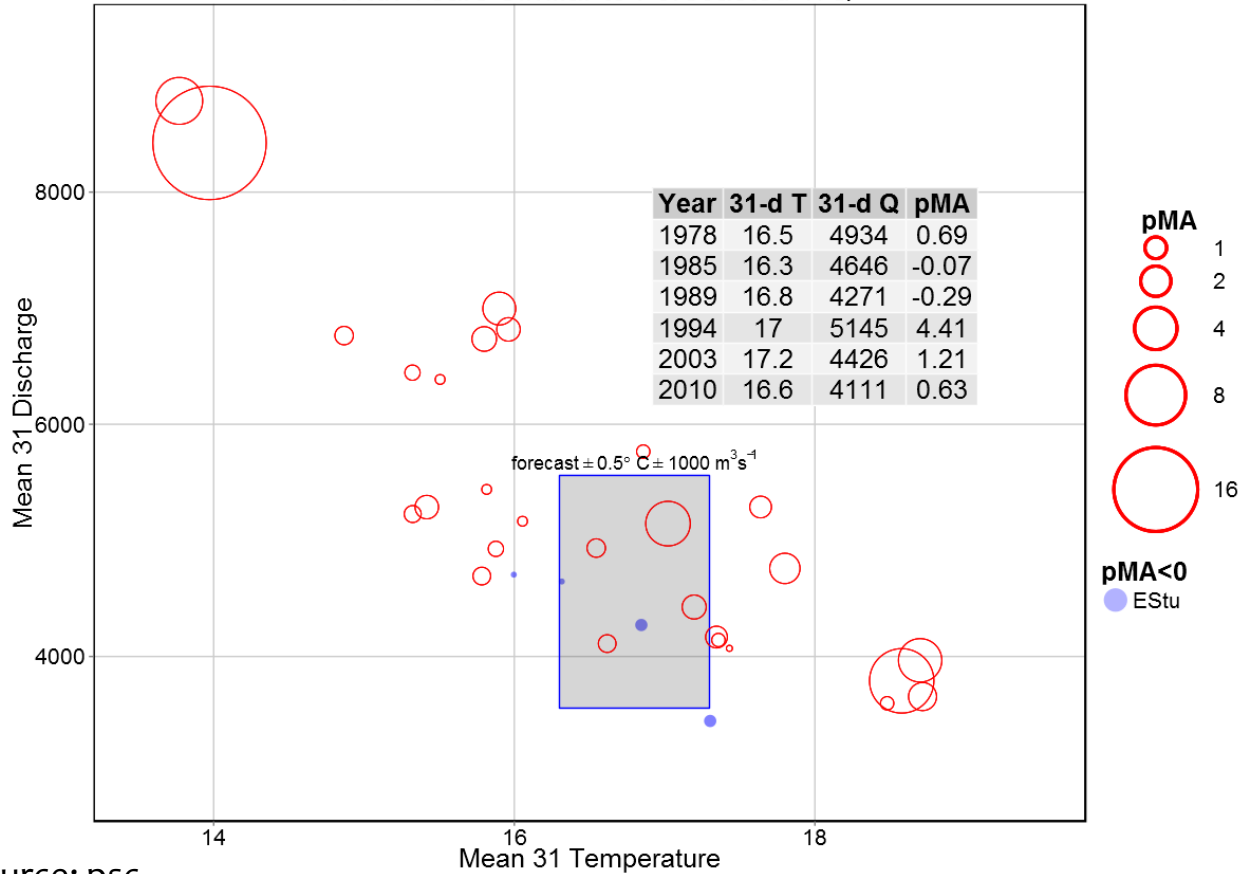


WHAT A LOT OF PLOTS WE'VE MADE!

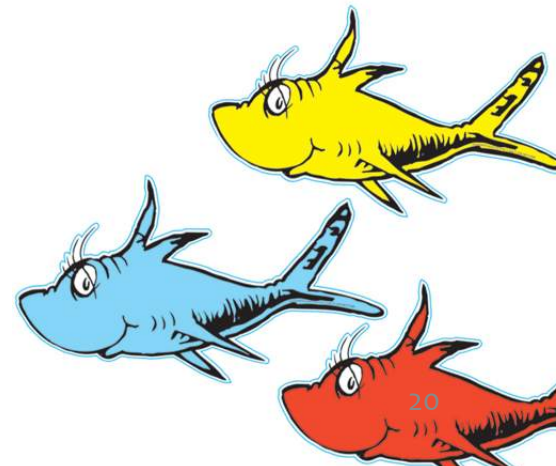


Some are red

pMA Estu
With Years Similar to Forecasted T/Q



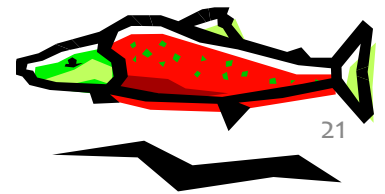
source: psc





- how to explain probabilities/uncertainty/risk and implications to decision makers?

TRYING TO GET A HANDLE ON THOSE INTRACTABLE PROBLEMS



ANY ANSWERS???

