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HexSim Scenario "Beta" Results

1 message

Nathan Schumaker <[redacted]> **Tue, Aug 10, 2010 at 8:32 AM**
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Hello All,

Jeff put together a new set of HexSim resource targets yesterday. Some changed from my previous "Alpha" scenario, and some did not. See the attached file "Resource Targets.pdf". It has the resource targets used in the "Baseline", "Alpha", and "Beta" scenarios. Beta, the most recent, is on the third page.

In this case, I have only run scenarios Beta_A, Beta_C, and Beta_E. This saved me a little time, and results in less material for you to wade through.

For the Beta scenarios, I have performed 5 replicate simulations. See the attached file "Scenario Beta Results.pdf". I have clipped the overall population size data to year 10. I have clipped the Regional and DSA trend data to year 25. This clipping limits the range of the Y-axes, so it makes the plots a little easier to read.

That's it for now... Let me know what you think of these trends...

Nathan

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2 attachments

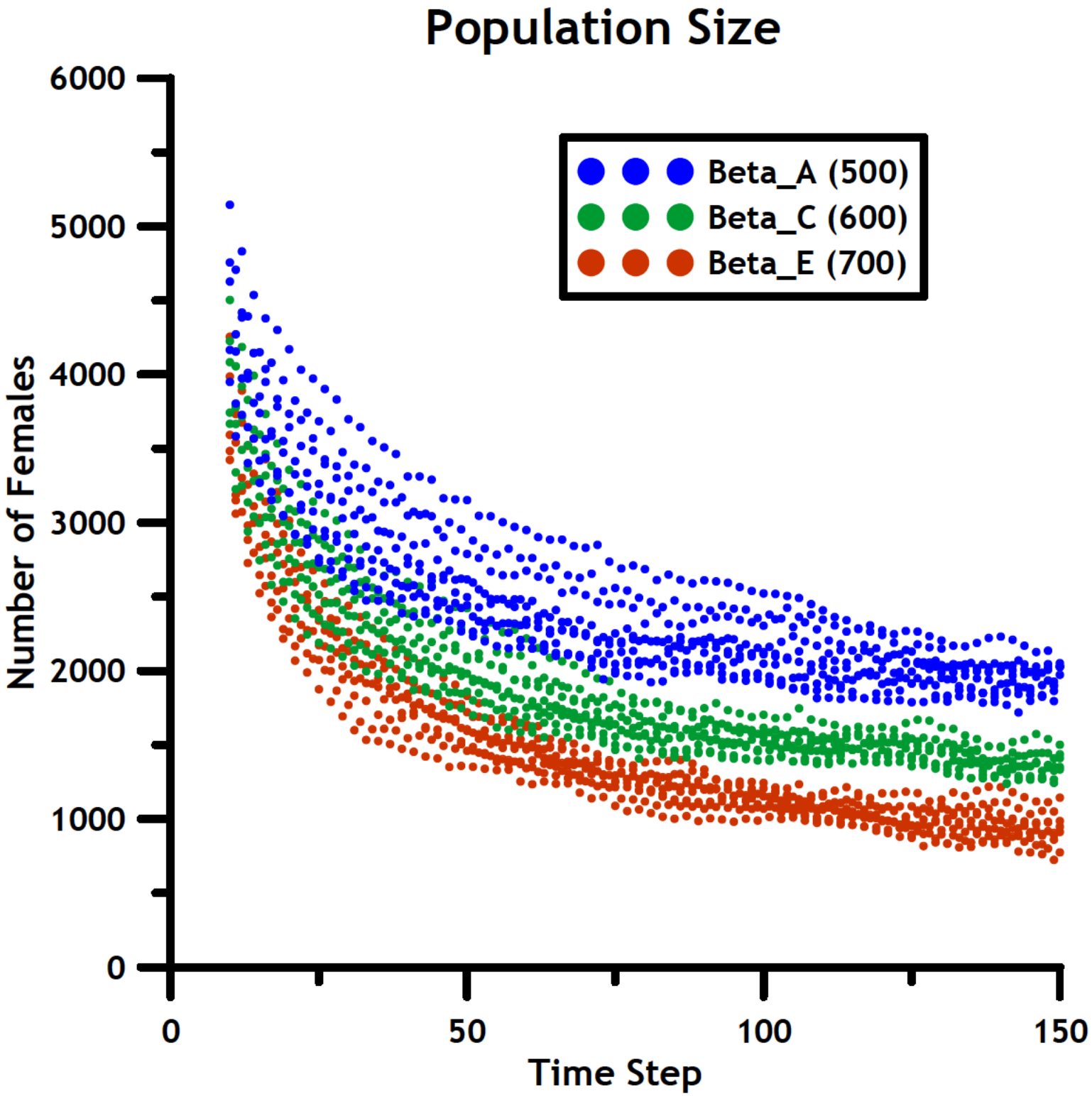
Resource Targets.pdf
54K

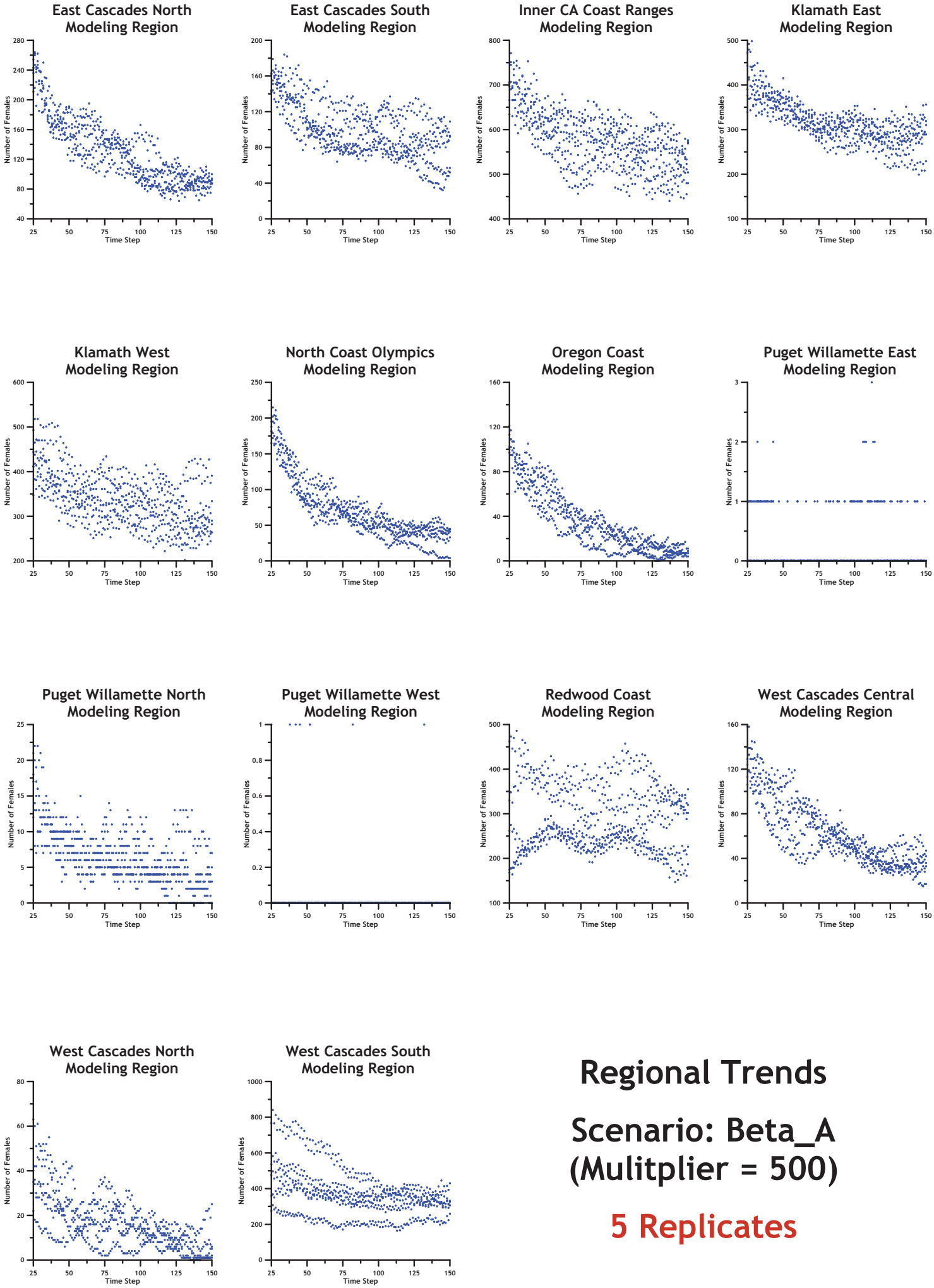
Scenario Beta Results.pdf
3573K

Modeling Region	Province	Scaling Term	Scenario Name: Baseline					
			J	K	L	M	N	
			500 * Scaling Term / 6	550 * Scaling Term / 6	600 * Scaling Term / 6	650 * Scaling Term / 6	700 * Scaling Term / 6	
North Coast Olympics	WA Olympic	21	1750	1925	2100	2275	2450	
Oregon Coast	OR Coast Range	8	667	733	800	867	933	
East Cascades South	OR Klamath	5	417	458	500	542	583	
East Cascades North	WA Cascades	9	750	825	900	975	1050	
West Cascades North	WA Cascades	9	750	825	900	975	1050	
West Cascades Central	WA Cascades	9	750	825	900	975	1050	
West Cascades South	OR Cascades	7	583	642	700	758	817	
Klamath East	OR Klamath	5	417	458	500	542	583	
Klamath West	OR Klamath	5	417	458	500	542	583	
Inner CA Coast Range	CA Klamath	6	500	550	600	650	700	
Redwood Coast	CA Redwood	3	250	275	300	325	350	
Puget Willamette North	WA Cascades	9	750	825	900	975	1050	
Puget Willamette West	OR Cascades	7	583	642	700	758	817	
Puget Willamette East	OR Cascades	7	583	642	700	758	817	

Modeling Region	Province	Scaling Term	Scenario Name: Alpha					
			A	B	C	D	E	F
			500 * Scaling Term	550 * Scaling Term	600 * Scaling Term	650 * Scaling Term	700 * Scaling Term	750 * Scaling Term
North Coast Olympics	WA Olympic	3.0	1500	1650	1800	1950	2100	2250
Oregon Coast	OR Coast Range	1.5	750	825	900	975	1050	1125
East Cascades South	OR Klamath	1.5	750	825	900	975	1050	1125
East Cascades North	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
West Cascades North	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
West Cascades Central	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
West Cascades South	OR Cascades	1.5	750	825	900	975	1050	1125
Klamath East	OR Klamath	1.0	500	550	600	650	700	750
Klamath West	OR Klamath	1.0	500	550	600	650	700	750
Inner CA Coast Range	CA Klamath	1.0	500	550	600	650	700	750
Redwood Coast	CA Redwood	1.0	500	550	600	650	700	750
Puget Willamette North	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
Puget Willamette West	OR Cascades	2.0	1000	1100	1200	1300	1400	1500
Puget Willamette East	OR Cascades	2.0	1000	1100	1200	1300	1400	1500

Modeling Region	Province	Scaling Term	Scenario Name: Beta					
			A	B	C	D	E	F
			500 * Scaling Term	550 * Scaling Term	600 * Scaling Term	650 * Scaling Term	700 * Scaling Term	750 * Scaling Term
North Coast Olympics	WA Olympic	2.5	1250	1375	1500	1625	1750	1875
Oregon Coast	OR Coast Range	1.25	625	687	750	812	875	937
East Cascades South	OR Klamath	1.25	625	687	750	812	875	937
East Cascades North	WA Cascades	2	1000	1100	1200	1300	1400	1500
West Cascades North	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
West Cascades Central	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
West Cascades South	OR Cascades	1	500	550	600	650	700	750
Klamath East	OR Klamath	1	500	550	600	650	700	750
Klamath West	OR Klamath	0.875	437	481	525	568	612	656
Inner CA Coast Range	CA Klamath	0.75	375	412	450	487	525	562
Redwood Coast	CA Redwood	0.75	375	412	450	487	525	562
Puget Willamette North	WA Cascades	2.5	1250	1375	1500	1625	1750	1875
Puget Willamette West	OR Cascades	2	1000	1100	1200	1300	1400	1500
Puget Willamette East	OR Cascades	2	1000	1100	1200	1300	1400	1500

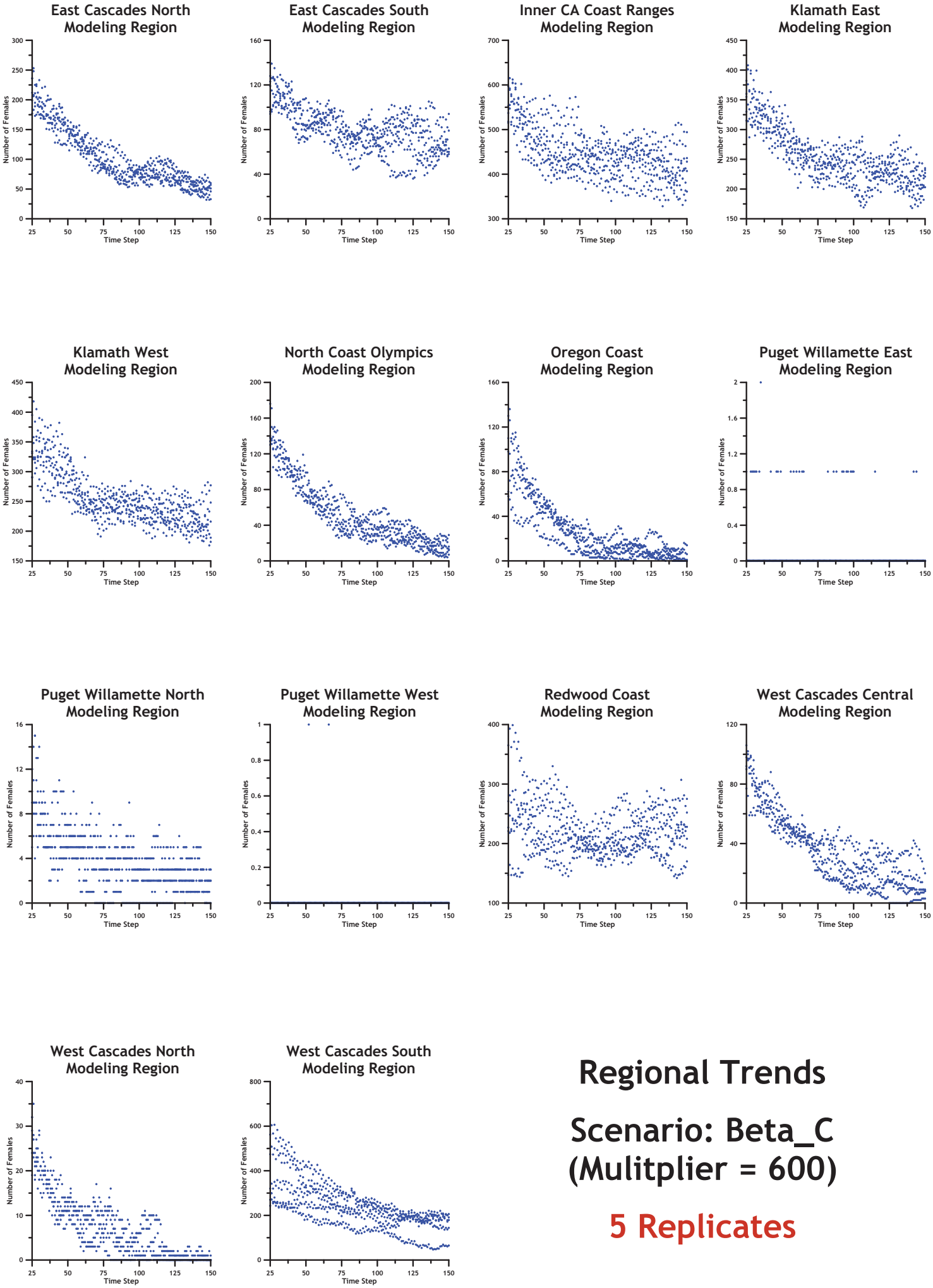

Population Size
Beta_A (500)
Beta_C (600)
Beta_E (700)
Number of Females
6000
5000
4000
3000
2000
1000
0
0
50
100
150
Time Step



Regional Trends

Scenario: Beta_A (Mulitplier = 500)

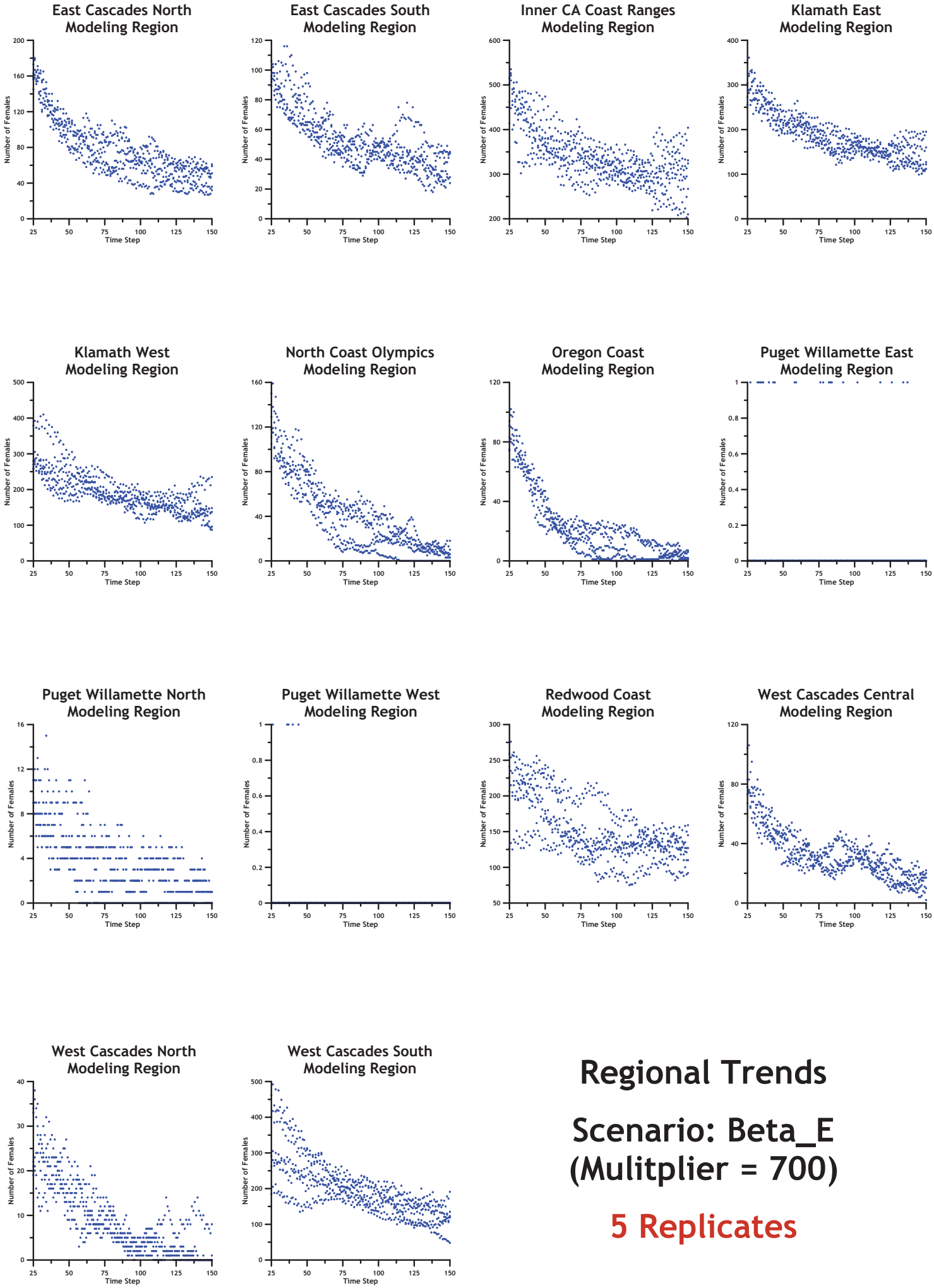
5 Replicates



Regional Trends

Scenario: Beta_C (Mulitplier = 600)

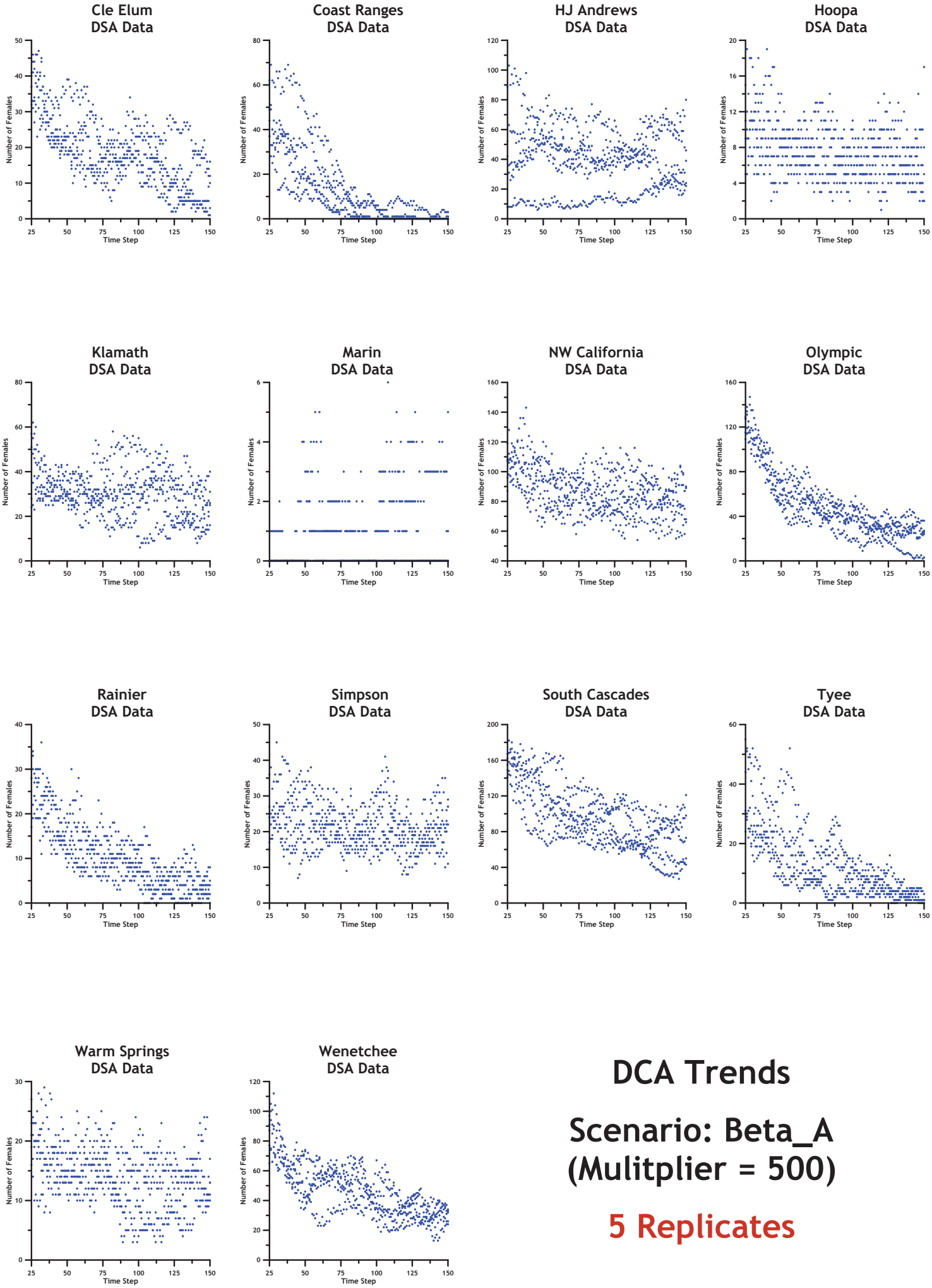
5 Replicates



Regional Trends

Scenario: Beta_E (Mulitplier = 700)

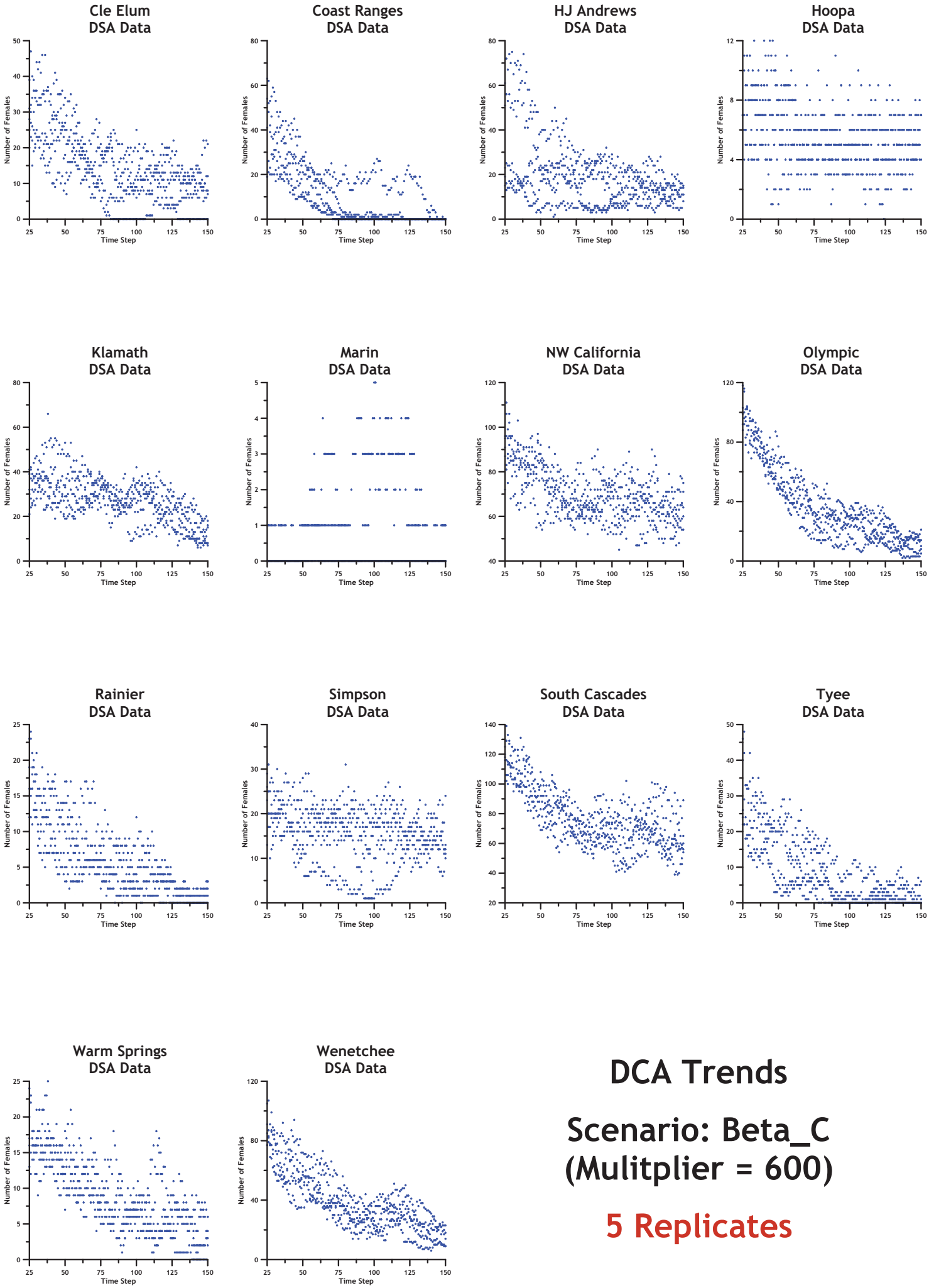
5 Replicates



DCA Trends

Scenario: Beta_A (Mulitplier = 500)

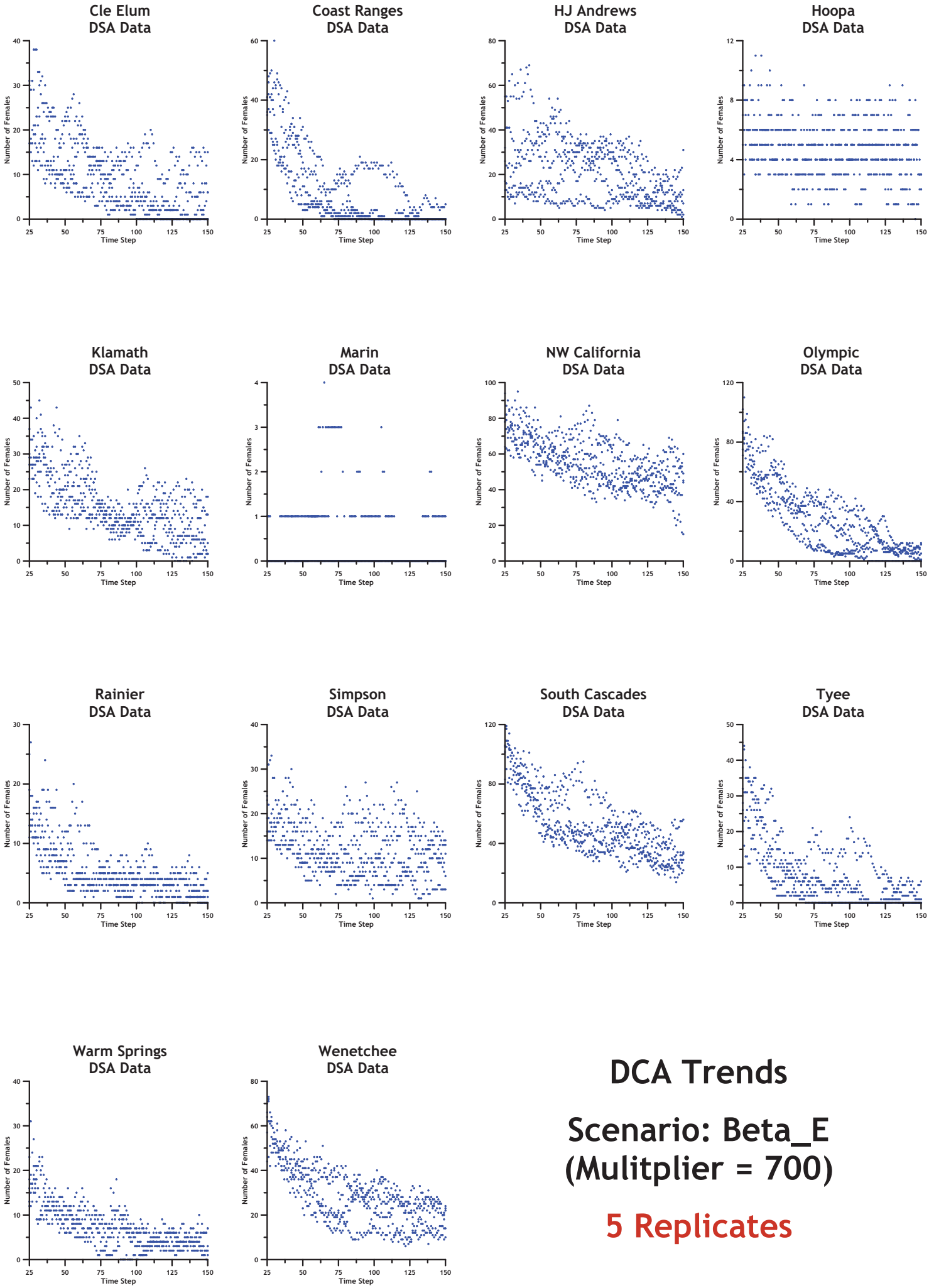
5 Replicates



DCA Trends

Scenario: Beta_C (Mulitplier = 600)

5 Replicates



DCA Trends

Scenario: Beta_E (Mulitplier = 700)

5 Replicates