


figure 8: Nantucket Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:61.2M (QTM level 14) using RDP and 8 variations of QTM filtering

All generalized figures have 85 points (10%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
☒	1:80K Input Data	Mechanical Selection	RDP Selection
	125.0 km 867 Points	100.7 km	113.6 km 205 m tol.
	Scale 1:500 000 Insets at 1:2 400 000		
	3.69	2.82	3.39
	No PSV	Minimum PSV (1)	Maximum PSV (7)
	97.6 km	93.1 km	97.8 km
	Maximum Sinuosity Similarity		
	3.33	2.89	3.11
	97.5 km	97.1 km	96.8 km
	Maximum Sinuosity Dissimilarity		
	1.96	1.92	1.95
Initial 0.4-point line weight scaled to (2 400 000 / 500 000)			
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All generalized figures have 78 points (15%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
☒	1:250K Input Data	Mechanical Selection	RDP Selection
	102.5 km 525 Points	92.2 km	197.7 km 140 m tol.
	Scale 1:500 000 Insets at 1:2 400 000		
	3.01	3.06	3.38
	No PSV	Minimum PSV (1)	Maximum PSV (7)
	92.6 km	91.6 km	92.5 km
	Maximum Sinuosity Similarity		
	3.44	3.31	3.53
	90.3 km	90.0 km	90.5 km
	Maximum Sinuosity Dissimilarity		
	2.72	2.41	3.01
Initial 0.4-point line weight scaled to (2 400 000 / 500 000)			
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figure 9: Nantucket Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:2.4M (QTM level 13) using RDP and 8 variations of QTM filtering

All generalized figures have 42 points (5%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
	1:80K Input Data	Mechanical Selection	RDP Selection
Scale 1:500 000 Insets at 1:4 800 000			
	125.0 km 867 Points	89.1 km	106.8 km 490 m tol.
	3.69	2.14	3.79
	No PSV	Minimum PSV (1)	Maximum PSV (7)
	84.6 km	79.7 km	87.8 km
	2.98	2.60	3.43
	Maximum Sinuosity Similarity		
	88.7 km	88.3 km	87.3 km
	1.71	1.67	1.69
	Maximum Sinuosity Dissimilarity		
Initial 0.4-point line weight scaled to (4 800 000 / 500 000)			
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All generalized figures have 41 points (8%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
	1:250K Input Data	Mechanical Selection	RDP Selection
Scale 1:500 000 Insets at 1:4 800 000			
	102.5 km 525 Points	84.6 km	95.3 km 320 m tol.
	3.01	2.90	3.73
	No PSV	Minimum PSV (1)	Maximum PSV (7)
	85.2 km	75.7 km	85.9 km
	3.32	3.15	3.46
	Maximum Sinuosity Similarity		
	85.3 km	84.0 km	86.0 km
	2.78	2.63	3.02
	Maximum Sinuosity Dissimilarity		
Initial 0.4-point line weight scaled to (4 800 000 / 500 000)			
			11/19/97

figure 10: Nantucket Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:4.8M (QTM level 12) using RDP and 8 variations of QTM filtering

All generalized figures have 108 points (26%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
●	1:80K Input Data	Mechanical Selection	RDP Selection
Scale 1:350 000 Insets at 1:1 200 000			
77.4 km 656 Points	67.3 km	67.7 km 100 m tol.	
3.29	2.76	3.68	
No PSV	Minimum PSV (1)	Maximum PSV (7)	
67.9 km	65.5 km	68.4 km	
Maximum Sinuosity Similarity			
3.50	3.28	3.67	
65.6 km	65.3 km	65.5 km	
Maximum Sinuosity Dissimilarity			
2.07	1.99	2.13	

Initial 0.4-point line weight scaled to (1 200 000 / 350 000) = 1.4 pt


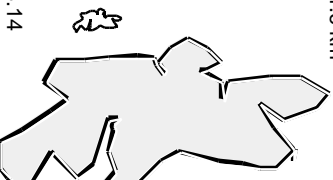







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All generalized figures have 105 points (24%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
●	1:250K Input Data	Mechanical Selection	RDP Selection
Scale 1:350 000 Insets at 1:1 200 000			
72.1 km 433 Points	62.8 km	67.7 km 93 m tol.	
3.61	3.53	4.08	
No PSV	Minimum PSV (1)	Maximum PSV (7)	
63.2 km	63.4 km	64.0 km	
Maximum Sinuosity Similarity			
3.91	3.91	4.05	
62.5 km	62.2 km	62.1 km	
Maximum Sinuosity Dissimilarity			
3.15	3.10	3.22	

Initial 0.4-point line weight scaled to (1 200 000 / 350 000) = 1.4 pt









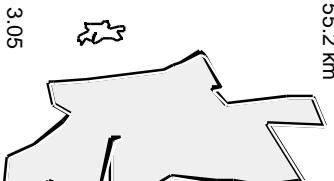
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figure 11: Bainbridge Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:1.2M (QTM level 14) using RDP and 8 variations of QTM filtering

Scale 1:350 000 Insets at 1:2 400 000		All generalized figures have 57 points (9%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
Input Data	1:80K	Mechanical Selection	61.6 km	RDP Selection	70.8 km 230 m tol.
	77.4 km 656 Points		3.14		3.93
No PSV	61.1 km	Minimum PSV (1)	55.5 km	Maximum PSV (7)	61.0 km
	3.81		3.53		4.14
Maximum Sinuosity Similarity	61.1 km	Maximum Sinuosity Similarity	57.3 km	Maximum Sinuosity Dissimilarity	1.96
	3.81		1.74		1.95

Initial 0.4-point line weight scaled to (2 400 000 / 350 000) = 2.8 pt




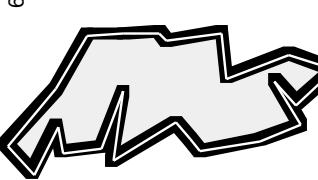
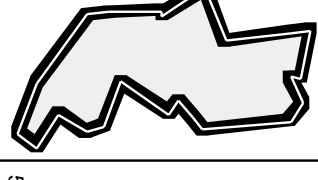

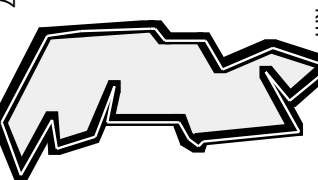
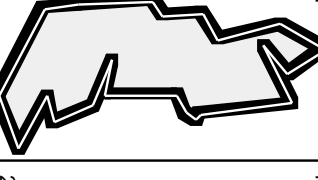

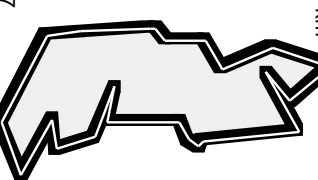
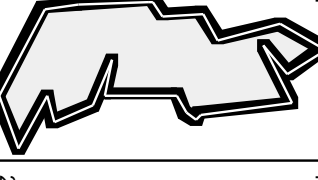

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Scale 1:350 000 Insets at 1:2 400 000		All generalized figures have 44 points (10%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
Input Data	1:250K	Mechanical Selection	54.7 km	RDP Selection	64.2 km 280 m tol.
	72.1 km 433 Points		3.50		4.27
No PSV	54.3 km	Minimum PSV (1)	50.4 km	Maximum PSV (7)	54.7 km
	4.00		3.77		4.39
Maximum Sinuosity Similarity	54.5 km	Maximum Sinuosity Similarity	55.7 km	Maximum Sinuosity Dissimilarity	3.05
	3.05		2.89		3.05




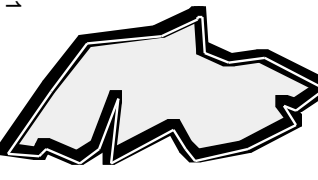
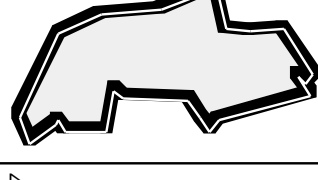

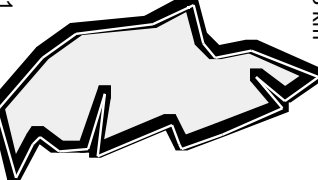


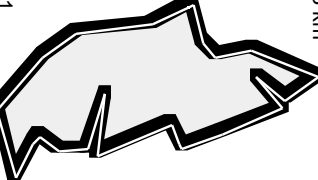


Initial 0.4-point line weight scaled to (2 400 000 / 350 000) = 2.8 pt

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figure 12: Bainbridge Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:2.4M (QTM level 13) using RDP and 8 variations of QTM filtering

All generalized figures have 24 points (4%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
Input Data	Mechanical Selection	RDP Selection	
1:80K 77.4 km 656 Points 	52.6 km 	63.8 km 755 m tol. 	Scale 1:350 000 Insets at 1:4 800 000
No PSV	Minimum PSV (1)	Maximum PSV (7)	
53.3 km 	43.8 km 	48.8 km 	Maximum Sinuosity Similarity
4.29 	3.54 	5.00 	Maximum Sinuosity Dissimilarity
52.4 km 	51.1 km 	48.0 km 	
2.17	1.96	2.21	

Initial 0.4-point line weight scaled to (4 800 000 / 350 000) = 5.5 pt 11/30/97

All generalized figures have 26 points (6%)		Numbers under figures are their average sinuosity (range is 1 to 7)	
Input Data	Mechanical Selection	RDP Selection	
1:250K 72.1 km 433 Points 	51.9 km 	61.1 km 550 m tol. 	Scale 1:350 000 Insets at 1:4 800 000
No PSV	Minimum PSV (1)	Maximum PSV (7)	
46.9 km 	42.3 km 	48.0 km 	Maximum Sinuosity Similarity
4.31 	4.19 	4.77 	Maximum Sinuosity Dissimilarity
51.3 km 	51.0 km 	50.3 km 	
2.81	2.69	2.88	

Initial 0.4-point line weight scaled to (4 800 000 / 350 000) = 5.5 pt 11/30/97

figure 13: Bainbridge Island: 1:80K (left) and 1:250K (right) coastline data simplified to 1:4.8M (QTM level 12) using RDP and 8 variations of QTM filtering