

Fingerprint COMPARISON of the Chesapeake IAFIS Look-alike

Ridge Feature	Latent Value	Exemplar Value	Quality of Agreement Grade	Reduction or Expansion Factor	Value
1	10	10	C3 (Nearest Neighbors 2, 3, 14)	.50	5
2	10	10	A (Nearest Neighbors 1, 6, 9)	n/a	10
3	10	10	FAILS Intervening ridge count from 3-n.n. 4 and 3-n.n.1 off by 1 each	1/10	1
4	10	10	D4 (Nearest Neighbors 2, 5, 6) Path OK / Connectivity Not OK / Spatial Relationship off from 4-2 and 4-6	.25	2.5
5	7.5 (default)	14	D3 (Nearest Neighbors 4, 6, 7) Path and Connectivity Not OK	.25	1.875
6	10	10	A (Nearest Neighbor 2, 4, 7)	n/a	10
7	10	10	A (Nearest Neighbors 2, 6, 8)	n/a	10
8	14.25	10 (default)	A (Nearest Neighbors 6, 7, 10)	n/a	10
9	10	10	A (Nearest Neighbors 2, 13, 14)	n/a	10
10	10	10	A (Nearest Neighbors 9, 11, 13)	n/a	10
11	7.5 (default)	10	A (Nearest Neighbors 10, 12, 13)	n/a	7.5
12	5 (default)	10	D3 (Nearest Neighbors 10, 11, 13) Path and Connectivity Unclear	.25	1.25
13	14	10 (default)	FAILS Intervening ridge count from 13-n.n. 10 off by 1	1/10	1
14	10 (default)	18.75	C3 (Nearest Neighbors 1, 2, 9)	.50	5
15	2.5 (default)	10	A (Nearest Neighbors 1, 9, 14)	.25	1

For conservatism the latent v. exemplar value defaults to the ***lower bound*** value.