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Analysing patterns of forest cover change and related land uses in the Tano-Offin forest reserve in Ghana

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Table 2 Confusion matrix- accuracy assessment table for the 1987 classified image

		Field Reference Data			Total Truths	User Accuracy (%)	Commission Error (%)
Category of land		Forest	Agricultural land	Developed land			
Classified Image	Forest	113	3	1	117	96.58	3.42
	Agricultural land	4	96	2	102	94.12	5.88
	Developed land	0	5	64	69	92.75	7.25
	Total	117	104	67	288		
	Producer Accuracy (%)	96.58	92.31	95.52			
	Omission Error (%)	3.42	7.69	4.48			
Overall Accuracy: 94.79%							

Table 3 Confusion matrix-accuracy assessment table for the 2002 classified image

		Field Reference Data			Total Truths	User Accuracy (%)	Commission Error (%)
Category of land		Forest	Agricultural land	Developed land			
Classified Image	Forest	115	2	0	117	98.29	1.71
	Agricultural land	4	98	0	102	96.08	3.92
	Developed land	0	4	65	69	94.20	5.80
	Total	119	104	65	288		
	Producer Accuracy (%)	96.64	94.23	100			
	Omission Error (%)	3.36	5.77	0			
Overall Accuracy: 96.53%							

Table 4 Confusion matrix-accuracy assessment table for the 2017 classified image

		Field Reference Data			Total Truths	User Accuracy (%)	Commission Error (%)
Category of land		Forest	Agricultural land	Developed land			
Classified Image	Forest	116	1	0	117	99.15	0.85
	Agricultural land	2	94	0	96	97.92	2.08
	Developed land	3	2	70	75	93.33	6.67
	Total	121	97	70	288		
	Producer Accuracy (%)	95.87	96.91	100			
	Omission Error (%)	4.13	3.10	0			
Overall Accuracy: 97.22%							