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APPENDICES

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APPENDIX I
CATALOGUE OF THE STUDY COLLECTION

APPENDIX I CATALOGUE OF THE STUDY COLLECTION

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-143 Linea Vieja Human Head	l	7.2	2.0	tuff	.91	
	w	5.7	(1.7)			
	h					
	t					
INS-144 Predatory Bird	t	3.9	2.7		.55	
	l	2.55	(1.7)			
	w	4.7				
	h	4.7				
INS-145 Owl	t	5.65	3.3		.71	resin-covered
	l	7.0	(2.7)			
	w	5.65				
	h					
INS-478 Human Head (Linea Vieja?)	t	4.4	3.3	tuff	.46	
	l	6.3	(2.0)			
	w					
	h					
INS-481 Owl	t	7.0	3.25		.86	
	l	7.35	(2.65)			
	w	7.0				
	h					
INS-482 Owl	t	2.8	3.6		.58	
	l	2.2	(2.6)			
	w	4.6				
	t	4.6				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-483 Guanacaste Macaw	h 8.65	h 4.45	2.25		.58	
	l 6.5	w 2.15	(1.75)			
	w 3.75	t 5.1				
	h 4.25					
INS-485 Guanacaste Feline	t 8.2	h 2.7	2.65		.32	
	l	w	(2.0)			
	w h	t 2.7				
INS-487 Bat	t 12.55	h 4.95	3.15		.68	resin-covered
	l 7.7	w 4.6	(2.95)			
	w 4.85	t 8.6				
	h 8.6					
INS-488 Linea Vieja Macaw	t 14.3	h 6.5	2.75		.55	
	l 10.7	w 5.75	(2.35)			
	w 5.9	t 8.0				
	h 6.35					
INS-490 Feline	t 8.65	h 5.9	2.75		.68	resin-covered
	l 3.7	w 4.35	(2.7)			
	w 5.3	t 5.9				
	h 3.65					
INS-492 Linea Vieja Human Head	t 8.0	h 5.5	4.3		.68	tuff
	l	w 8.4	(2.2)			
	w	t				
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-494 Bat	t	8.8				
	l		3.0		.62	
	w		(2.75)			
	h					
INS-496 Bird Preform	t	7.65				
	l		3.4		.43	
	w		(2.5)			
	h					
INS-498 Banded	t	7.5				
	l		3.85		.71	
	w		(3.6)			
	h					
INS-500 Owl	t	7.75				
	l		3.95		.68	
	w		(2.1)			
	h					
INS-501 Owl	t	8.1				
	l		3.65		.64	
	w		(2.3)			
	h					
INS-502 Plain	t	7.0				
	l		3.1		.68	
	w		(2.5)			
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>	
INS-503 Plain	t	7.5	h		.78		
	l		w	3.25			
	w		t	(2.80)			
	h	5.9					
INS-504 Knobbed	t	8.65	h		.63		
	l		w	3.35			
	w		t	(2.50)			
	h	5.5					
INS-505 Owl preform	t	9.2	h		.56		
	l		w	4.4			
	w	8.5	t	(3.4)			
	h	5.2					
INS-506 Plain	t	5.3	h		.58		
	l		w	2.6			
	w		t	(1.8)			
	h	3.1					
INS-507 Plain	t	5.9	h		.80		
	l		w	3.3			
	w		t				
	h	4.75					
INS-509 Human Head	t	7.5	h		.89		
	l		w	3.0			
	w	5.85	t	(2.6)			
	h	5.2					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-510 Human Head Preform	t 6.2 l w h	h 5.25 w 5.35 t 5.25	2.35 (2.05)		.84	
INS-511 Guanacaste Parrot	t 6.8 l w h	h 5.45 w 4.2 t 5.45	2.4 (2.05)		.80	
INS-512 Banded	t 6.6 l w h 4.75	h w t	3.4 (2.45)		.71	
INS-513 Nicoya, Gte. Predatory Bird	Ferrero	1977: lamina V, p. 80	(no measurements)			
INS-514 Canine?	t 11.55 l 5.8 w 7.2 h 6.4	h 5.3 w 5.2 t 7.7	3.0 (2.9)		.66	
INS-515 Owl	t 7.7 l w h	h 6.65 w 6.65 t 6.65	3.35 (2.75)		.86	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of</u> <u>Central</u> <u>Perforation</u>	<u>Stone</u>	<u>Height</u> <u>Length</u> <u>Ratio</u>	<u>Notes</u>
INS-516 Guanacaste Macaw	t	15.5	h	9.3	.60	
	l	12.25	w	4.0		
	w	5.0	w	9.3		
	h	7.4				
INS-517 Guanacaste Macaw	t	18.5	h	7.85	.42	
	l	13.25	w	3.6		
	w	4.95	t	7.85		
	h	6.7				
INS-518 Guanacaste Macaw	t	21.5	h	2.7	.37	resin-covered
	l	15.5	w	(2.2)		
	w	5.5	t			
	h	6.5				
INS-519 Guanacaste Macaw	t	17.1	h	7.0	.47	
	l	12.6	w	3.25		
	w	4.25	t	8.2		
	h	7.2				
INS-520 Guanacaste Human Head	t	6.95	h	5.3	.76	
	l		w	6.35		
	w		t	5.3		
	h					
INS-521 Human Head	t	8.35	h	5.6	.67	
	l		w	5.6		
	w		t	8.5		
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-522 Owl	t 6.9	h 5.65			.81	
	l	w				
	w 8.0	t 5.65				
INS-523 Feline	h 4.5				.77	
	t 7.25	h 5.6	3.4			
	l	w 5.5	(3.15)			
INS-524 Owl	h	t			.79	
	t 8.8	h 7.0	3.05			
	l	w 8.15	(2.55)			
INS-525 Human Head	w	t			.77	
	h	h 5.65	3.0			
	t 7.3	w 6.95	(2.75)			
INS-526 Human Head	h	t			.86	
	t 6.45	h 5.55	3.05			
	l	w 7.65	(2.4)			
INS-527 Owl	w	t			.77	
	h	h 5.4	3.5			
	t 7.0	w 5.4	(2.7)			

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-528 Parrot	t	7.1	3.75		.65	
	l	5.65	(2.45)			
	w	6.7				
	h	4.65				
INS-529 Human Head	t	5.95	4.0		.67	
	l		6.3			
	w h		4.0			
INS-530 Linea Vieja Bird Beak	t	7.8	4.7		.73	
	l	5.15	1.8			
	w	4.4	5.75			
	h	5.75				
INS-531 Knobbed	t	6.0	2.6		.73	
	l		(2.3)			
	w					
	h	4.4				
INS-532 Banded	t	6.5	2.85		.69	(faceted)
	l		(2.4)			
	w					
	h	4.5				
INS-540 Owl	t	9.6	3.75		.66	
	l		(2.75)			
	w					
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-541 Nicoya, Gte Human Head	t	9.80			.71	Ferrero 1977; 281, illus. III-10
	l					
	w	9.40				
	h	6.70				
INS-542 Owl	t	7.0	3.35 (2.5)		.71	
	l					
	w	6.5				
	h	4.5	5.0			
INS-543 Guanacaste Parrot	t	7.5	2.8 (2.3)		.59	
	l	5.55				
	w	6.15				
	h	4.45				
INS-547 Nicoya, Gre. Owl	t	8.6	3.6 (2.8)	green possibly jade	.83	illus. in Ferrero 1977; p. 80, lam. V
	l					
	w	7.5				
	h	5.25	7.2			
INS-552 Linea Vieja Plain	t	8.1	3.4 (1.05)	lava	.50	
	l					
	w					
	h	4.05				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-553 Owl	t	6.5	h	4.1	2.4	.63
	l		w		(1.9)	
	w	5.0	t	4.1		
INS-554 Bird Preform	h	3.4				.50
	t	8.65	h	4.4	3.2	
	l	5.85	w	3.2	(1.8)	
	w	6.8	t			
INS-598 Banded	h	4.1				.75
	t	6.25	h		3.2	
	l		w		(2.95)	
INS-912 Bird with Tail	w	4.7	t			.50
	h		h		2.4	
	t	6.9	w		(1.55)	
	l	4.8	t			
INS-1103 Bat	w	4.85	h	3.5		.57
	h	3.0	w	2.3		
	t	9.25	t	3.5		
	l		h	5.3	3.1	
INS-1180 Linea Vieja Bird Beak	w		w	5.85	(2.3)	.77
	h		t	5.3		
	t	11.9	h	9.2	2.5	
	l		w	5.0	(1.2)	

resin-covered

lava

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of</u> <u>Central</u> <u>Perforation</u>	<u>Stone</u>	<u>Height</u> <u>Length</u> <u>Ratio</u>	<u>Notes</u>
INS-2574 Guanacaste Macaw	t	17.0	h	7.35	3.05	.50 resin-covered
	l	11.75	w	3.75	(3.0)	
	w	5.75	t	8.5		
	h	6.7				
INS-2982 Feline	t	9.2	h	5.25	2.8	.57
	l	3.45	w	6.95	(2.5)	
	w	4.2	t	5.25		
	h	4.05				
INS-3024 Guanacaste Macaw	t	13.8	h	7.6	2.9	.26
	l	8.95	w	7.6	(2.6)	
	w	5.15	t	3.7		
	h	5.65				
INS-3085 Bat	t	10.3	h	7.9	4.2	.76
	l	4.3	w	8.05	(3.0)	
	w	7.15	t			
	h	5.65				
INS-3316 Knobbed	t	7.35	h		2.75	.51
	l		w		(1.0)	
	w		t			
	h	3.75				
INS-3317 Bat	t	12.1	h	7.8	3.0	.64
	l	4.0	w	7.8	(2.7)	
	w	5.15	t	7.8		
	h	5.6				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-3318 Bat	t	9.1	h	6.0	3.35 (2.55)	.65
	l		w	7.75		
	w		t	6.0		
	h					
INS-3653 Knobbed	t	8.65	h		4.0 (1.85)	.60
	l		w			
	w		t	5.25		
	h	5.25				
INS-6030 Linea Vieja Owl with Tufts	t	9.7	h	6.85	3.7 (2.85)	.70
	l		w			
	w	8.7	t	6.85		
	h	5.95				
INS-6031 Linea Vieja Owl with Tufts	t	8.75	h	5.9	3.3 (2.55)	.67
	l		w	7.8		
	w		t	5.9		
INS-6032 Linea Vieja Owl with Tufts	t	8.2	h	7.0	3.9 (2.0)	serpentine .85
	l		w	7.45		
	w		t	7.0		
INS-6033 Linea Vieja Owl with Tufts	t	7.9	h	6.65	2.85 (2.65)	.84
	l		w			
	w	7.9	t	6.65		
	h	5.75				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Length Ratio</u>	<u>Notes</u>
INS-6034 Linea Vieja Owl with Tufts	t	7.7	h	6.3	chalcedony .81	raised facial disc
	l		w			
	w	8.25	t	6.3		
	h	4.5				
INS-6035 Linea Vieja Owl with Tufts	t	7.85	h	6.5	jasper .82	with protruding beak
	l		w			
	w	6.4	t	6.5		
	h	5.1				
INS-6036 Linea Vieja Owl with Tufts	t	7.35	h	6.9	chalcedony .93	
	l		w			
	w	6.8	t	6.9		
	h	5.7				
INS-6037 Linea Vieja Owl with Tufts	t	7.45	h	4.7	cuarzo .63	
	l		w			
	w	6.55	t	4.7		
	h	3.7				
INS-6040a Linea Vieja Owl with Tufts	t	5.3	h	2.55	andesite .61	
	l		w			
	w	4.95	t	3.25		
	h					
INS-6040b Linea Vieja Owl	t	6.9	h	6.3	andesite .91	protruding peak
	l		w			
	w		t	7.0		
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6041 Linea Vieja Owl with Tufts	t 6.7	h 4.3	3.45	black slate	.64	
	l	w 2.4	(2.4)			
	w	t				
	h					
INS-6042 Linea Vieja Owl with Tufts	t 6.45	h 4.45	3.0	black slate	.68	
	l	w	(2.15)			
	w 5.95	t 4.45				
	h 3.9					
INS-6044 Zoomorphic Bird	t 9.0	h 3.8	3.7	calcite	.55	
	l 7.8	w 2.7	(2.65)			
	w 8.0	t 5.0				
	h 5.0					
INS-6045 Nosara Owl	t 7.4	h 5.3	3.0	conglom- erate	.71	
	l	w 7.25	(2.6)			
	w	t 5.3				
	h					
INS-6046 Nosara Owl	t 7.95	h 4.95	3.6	conglom- erate	.62	
	l	w 7.25	(2.9)			
	w	t 4.95				
	h					
INS-4047 Nosara Owl	t 8.9	h 5.35	3.4	jasper	.60	
	l	w 7.0	(2.55)			
	w	t 5.35				
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6048 Linea Vieja Owl	t 8.6 l w h	h 4.2 w 7.5 t	3.5 (1.85)	andesite	.48	protruding beak, united eyes
INS-6049 Nosara Owl	t 7.7 l w 7.2 h 5.4	h w 5.4 t	3.05 (2.7)	basalt	.70	
INS-6050 Linea Vieja Owl	t 6.9 l w h	h 4.45 w 9.55 t 4.45	2.8 (2.2)	conglom- erate	.64	lateral tab-like projections
INS-6051 Guanacaste Feline	t 10.45 l 4.05 w 5.5 h 4.5	h 5.45 w 5.3 t	3.0 (2.7)	chalcedony	.52	
INS-6052 Guanacaste Feline	t 8.8 l 4.6 w 6.0 h 4.45	h 4.75 w 6.6 t 4.75	2.75 (2.45)	chalcedony	.53	
INS-6053 Linea Vieja Miscellaneous	t 11.5 l w h	h 5.45 w 5.9 t 5.45	2.65 (1.55)	chalcedony	.45	double zoomorphic motif

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6054 Nosara miscellaneous	t	11.7	3.1	diorite	.48	monkey with lateral knobs
	l	5.2	(2.7)			
	w	5.0				
	h	4.7				
INS-6055 Linea Vieja Feline	t	8.9	3.3	chalcedony	.86	
	l	3.9	(2.7)			
	w	5.6				
	h	4.3				
INS-6056 Filadelfia miscellaneous	t	12.4	3.1	andesite	.64	fish
	l		(3.05)			
	w	8.0				
	h	4.2				
INS-6057 Guanacaste Turkey	t	10.7	3.95	jade	.62	
	l	7.0	(3.0)			
	w	7.3				
	h	5.6				
INS-6058 Guanacaste Feline	t	10.3	3.45	chalcedony	.63	
	l	4.5	(3.1)			
	w	6.2				
	h	4.9				
INS-6059 Guanacaste Owl	t	9.0	2.7	basalt	.66	
	l		(1.95)			
	w	6.0				
	h	6.6				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6060 Guanacaste Macaw	t	14.25	2.55 (2.3)	diorite	.43	
	l	9.9				
	w	4.4				
	h	5.75				
INS-6061 Guanacaste Macaw	t	15.3	3.35 (2.9)	conglom- erate	.30	
	l	11.45				
	w	5.35				
	h	5.1				
INS-6062 Guanacaste Macaw	t	19.0	2.85 (2.6)	andesite	.52	
	l	13.25				
	w	4.0				
	h	5.35				
INS-6063 Guanacaste miscellaneous	t	8.0	3.85 (3.55)	basalt	.89	Anthropomorph
	l					
	w					
	h					
INS-6064 Guanacaste Bat	t	10.6	3.55 (3.15)	granite	.59	
	l	3.65				
	w	4.85				
	h	5.2				
INS-6065 Guanacaste Bat	t	10.5	4.2 (2.7)	andesite	.69	
	l					
	w					
	h					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6066 Guanacaste Bat	t 8.95 l 3.4 w 6.6 h 4.6	h 7.45 w 9.5 t 7.45	4.05 (2.8)	andesite	.83	
INS-6070 Linea Vieja Feline	t 9.6 l w h	h 5.9 w 6.4 t 5.9	3.35 (1.95)	chalcedony	.61	
INS-6071 Linea Vieja Bat	t 9.5 l w h	h 5.5 w 7.2 t	3.5 (2.95)	andesite	.57	
INS-6072 Guanacaste Owl Preform	t 8.3 l 6.2 w 7.15 h 3.25	h 2.6 w 2.15 t 2.6	2.75 (1.7)	jade	.31	
INS-6073 Guanacaste Parrot	t 7.85 l 3.8 w 4.3 h 3.6	h 4.7 w 3.0 t	2.05 (1.5)	chalcedony	.59	
INS-6074 Guanacaste Parrot	t 5.95 l 3.15 w 3.95 h 3.4	h 4.1 w 2.55 t 4.1	2.1 (1.5)	chalcedony	.68	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6075 Linea Vieja Bird Beak	t	7.95	2.7	chalcedony	.65	
	l	5.2	(2.45)			
	w	4.9				
	h	4.3				
INS-6076 Bird Preform	t	7.85	2.1	jasper	.47	
	l	5.65	(1.5)			
	w	5.45				
	h	3.7				
INS-6077 Linea Vieja Owl	t	6.15	2.6	chalcedony	.65	Tufts and Mask
	l	6.3	(2.0)			
	w	3.75				
	h					
INS-6078 Linea Vieja Bird Preform	t	8.5	2.55	chalcedony	.74	
	l	6.25	(2.0)			
	w	6.6				
	h	5.25				
INS-6079 Guanacaste Parrot	t	8.2	2.45	jade	.51	
	l	4.5	(2.25)	calcinada		
	w	5.2				
	h					
INS-6080 Guanacaste Macaw	t	10.3	2.95	jaspeado	.47	
	l	7.5	(2.0)			
	w	4.7				
	h	4.85				

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6081 Linea Vieja Bird Preform	t 8.1 l 6.3 w 5.1 h 3.4	h 3.55 w 1.8 t	2.35 (1.7)	chalcedony	.43	
INS-6082 Linea Vieja Owl	t 9.8 l w h	h 5.8 w 7.0 t 5.8	3.3 (2.95)	chalcedony	.59	
INS-6083 Guanacaste Bird Preform	t 8.5 l 6.25 w 6.1 h 4.25	h 4.3 w 3.45 t 5.4	3.2 (2.35)	conglom- erate	.63	
INS-6084 Guanacaste Bat	t 9.4 l w h	h 5.1 w 7.95 t 5.1	3.6 (2.5)	conglom- erate	.54	
INS-6086 Guanacaste Bat	t 9.05 l w h	h 5.65 w 7.7 t 5.65	3.4 (2.5)	granite	.62	
INS-6087 Guanacaste Bird Preform	t 7.7 l 6.0 w 6.55 h 2.9	h 3.0 w 3.0 t 3.0	3.3 (1.5)	brecchia	.74	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6088 Guanacaste Bird with Tail	t 10.25 l 7.85 w 4.85 h 3.1	h 2.45 w 2.5 t 3.1	2.3 (1.0)	granite	.30	
INS-6089 Guanacaste Macaw	t 9.2 l 6.55 w 3.85 h 4.25	h 4.35 w 3.35 t	2.25	chalcedony	.47	
INS-6090 Guanacaste Human Head	t 7.7 l w h	h 5.6 w 8.35 t 5.6	3.7 (2.85)	diorite	.72	
INS-6091 Guanacaste Human Head	t 7.65 l w h	h 4.7 w 8.7 t 4.7	3.95 (2.8)	diorite	.61	
INS-6092 Guanacaste Human Head	t 6.35 l w h	h 4.1 w 6.75 t 4.1	3.1 (2.1)	jasper	.64	
INS-6093 Guanacaste Human Head	t 2.6 l w h	h 2.1 w 2.2 t 2.1	1.4 (1.1)	chalcedony	.80	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6094 Guanacaste Human Head	t 7.25 l w h	h 5.7 w 7.2 t 5.7	3.55 (3.1)	jasper	.74	
INS-6095 Guanacaste Human Head with Tufts	t 4.45 l w	h 4.25 w 4.6 t 4.25	2.25 (1.85)	chalcedony	.95	
INS-6096 Guanacaste Human Head	t 7.3 l w	h 5.0 w 7.4 t 5.0	3.5 (2.5)	diorite	.68	
INS-6097 Guanacaste Human Head	t 6.65 l w h	h 4.4 w 5.9 t 4.45	3.05 (2.5)	jasper	.66	
INS-6098 Guanacaste Human Head	t 7.4 l w h	h 5.1 w 7.75 t 5.1	3.35 (2.7)	jasper	.68	
INS-6099 Guanacaste variation	t 7.0 l w h	h 4.35 w 7.0 t 4.35	3.25 (2.8)	diorite	.62	ocho picos, Paez eight knobs

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6100 Guanacaste Banded	t 6.85 l w h 4.7	h w t 4.7	3.2 (3.0)	diorite	.68	
INS-6101 Guanacaste Banded	t 7.15 l w h 5.0	h w t 5.0	3.4 (3.05)	diorite	.69	
INS-6102 Guanacaste Banded	t 6.5 l w h 4.95	h w t 4.95	3.05 (2.45)	serpentine	.76	
INS-6103 Guanacaste Banded	t 6.65 l w h 4.95	h w t 4.95	2.95 (2.75)	diorite	.74	
INS-6104 Guanacaste Banded	t 7.65 l w h 5.35	h w t 5.35	3.65 (3.4)	diorite	.69	
INS-6105 Guanacaste Banded	t 7.75 l w h 5.4	h w t 5.4	3.2 (2.8)	diorite	.69	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6106 Guanacaste knobbed	t 8.0 l w 3.7 h	h w t 3.7	3.8 (2.3)	lava	.46	
INS-6108 Linea Vieja Plain	t 7.35 l w 4.1 h	h w t	2.95 (1.95)	lava	.55	
INS-6109 Guanacaste knobbed	t 6.6 l w 3.95 h	h w t	3.0 (2.3)	lava	.59	
INS-6110 Guanacaste Variation	t 6.55 l w 4.4 h	h w t	3.45 (2.1)	brecchia	.67	ayote; Curcurbita Pepo L.
INS-6111 Guanacaste Plain	t 6.15 l w 4.15 h	h w t	3.15 (2.15)	granite	.67	
INS-6112 Guanacaste Knobbed	t 7.1 l w 5.5 h	h w t	3.5 (2.6)	andesite	.77	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6114 Guanacaste Knobbed	t 6.75 l w h 4.7	h w t	3.0 (2.35)	andesite	.69	
INS-6115 Guanacaste Banded	t 5.25 l w h 3.7	h w t	2.6 (2.0)	jasper	.70	
INS-6116 Guanacaste Plain	t 6.45 l w h 4.15	h w t	2.9 (2.15)	andesite	.64	
INS-6117 Guanacaste Feline	t 4.95 l w h	h 1.8 w 4.2 t	1.75 (1.5)	chalcedony	.36	
INS-6120 Linea Vieja Knobbed	t 8.45 l w h 5.1	h w t	4.0 (2.0)	lava	.60	
INS-6121 Linea Vieja Knobbed	t 7.95 l w h 6.0	h w t	3.65 (2.2)	lava	.75	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6123 Linea Vieja Knobbed	t 10.6 l w h 6.0	h w t	4.6 (1.5)	andesite	.56	
INS-6124 Linea Vieja Human Head	t 11.3 l h	h 9.95 w 8.8	3.5 (3.2)	tomsonite	.88	
INS-6125 Linea Vieja Owl	t 11.0 l w 10.9 h 7.3	h w t 9.75	3.6 (2.75)	chalcedony	.88	
INS-6126 Linea Vieja Miscellaneous	t 12.4 l 9.65 w 11.1 h 6.35	h 4.0 w 3.45 t	4.5 (3.6)	feldspar	.32	zoomorph with grooves
INS-6127 Guanacaste Miscellaneous	t 11.2 l w h 4.65	h 9.05 w 7.3 t 9.05		calcite	.80	monster
INS-6128 Guanacaste Feline	t 13.35 l w h	h 10.4 w 8.45 t 10.4	3.6		.77	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6130 Human Head With Headdress	t 5.8 l w h	h 7.6 w 13.1 t	3.0 (1.8)	tuff	1.31	
INS-6131 Linea Vieja Human Head With Headdress	t 6.2 l w h	h 8.1 w 11.1 t	2.9	tuff	1.30	
INS-6132 Linea Vieja Bird Beak	t 13.9 l w h	h 9.2 w 3.3 t	1.7 (.6)	tuff	.66	
INS-6133 Linea Vieja Human Head With Headdress	t 6.1 l w h	h 8.3 w 9.7 t	3.15 (1.9)	tuff	1.36	
INS-6134 Linea Vieja Feline	t 9.3 l w h	h 4.9 w 4.5 t 8.3	2.7 (2.0)	tuff	.89	
INS-6135 Linea Vieja Humanized Feline	t 9.1 l w	h 5.85 w 8.2 t	3.1 (2.4)	tuff	.64	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6137 Linea Vieja Coyote	t 11.8 l w h	h 7.2 w t	2.6	tuff	.61	
INS-6138 Linea Vieja Coyote	t 11.3 l	h 6.4 w 8.2	2.2 (1.8)	tuff	.56	
INS-6139 Linea Vieja Coyote	t 11.7 l w h	h 7.6 w 8.0 t	2.8 (2.2)	tuff	.64	
INS-6140 Linea Vieja Coyote	t 13.2 l w h	h 6.9 w 9.0 t	2.8 (1.6)	tuff	.52	
INS-6141 Linea Vieja Coyote	t 8.6 l w h	h 7.15 w 8.5 t	2.6 (1.9)	tuff	.83	
INS-6142 Linea Vieja Coyote	t 8.6 l w h	h 7.15 w 8.5 t	2.6 (1.9)	tuff	.83	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6143 Linea Vieja Coyote	t 9.2 l w h	h 6.1 w 6.9 t	2.7 (1.6)	tuff	.66	
INS-6155 Nicoya Plain	t 6.45 l w h 4.0	h w t	3.0 (2.0)	andesite	.62	
INS-6156 Nicoya Plain	t 6.9 l w h 4.2	h w t	3.3 (2.25)	andesite	.60	
INS-6158 Buena Vista Miniature Feline	t 5.25 l w h	h 2.7 w 4.5 t 2.7	2.15 (1.7)	feldspar	.51	
INS-6159 Buena Vista Miniature Feline	t 9.55 l 5.6 w 4.55 h 4.2	h 6.55 w 4.75 t	3.0 (2.7)		.68	
INS-6160 Buena Vista Bird Preform	t 7.55 l 6.0 w 6.0 h 4.1	h 4.15 w 2.9 t 4.25	3.6 (2.05)	black stone (basalt?)	.56	

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6161 Buena Vista Owl	t 6.7	h	3.5	chalcedony	.68	
	l 6.7	w	(3.0)			
	w 7.8	t 4.6				
	h 4.6					
INS-6162 Variation	t 7.0	h	2.85	chalcedony	.75	Plain with Criss-cross Bands
	l	w	(2.4)			
	w	t				
	h 5.25					
INS-6410 Human Head Human Head	t 9.5	h	3.2		.68	
	l	w	(2.8)			
	w	t				
	h					
INS-6411 Miscellaneous	t 10.2	t	3.25		.58	anthropomorph
	l 5.8	w	(2.1)			
	w 7.0	t				
	h 5.95					
INS-6412 Human Head	t 8.25	h	2.5		.76	
	l	w	(2.0)			
	w	t				
	h					
INS-6413 Bat	t 12.1	h	3.2		.62	
	l 4.35	w	(2.75)			
	w 4.3	t				
	h 4.35					

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no. Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
INS-6414 Bat	t	9.6	h	6.0	3.45	.62
	l		w	6.6	(2.45)	
	w		t	6.0		
	h					
INS-6415 Guanacaste Macaw	t	14.3	h	4.65	2.7	.29
	l	9.45	w	3.75	(2.45)	
	w	4.5	t	4.15		
	h	4.15				
INS-6416 Miscellaneous	t	8.75	h	6.45	3.1	.73
	l	4.0	w	5.55	(2.8)	
	w	5.75	t	6.45		
	h	5.0				
INS-6417 Banded	t	8.3	h		3.2	.66
	l		w		(3.0)	
	w		t	5.5		
	h	5.5				
INS-6418 Owl	t	7.1	h	4.9	2.05	.69
	l		w	6.0	(1.75)	
	w		t	4.9		
	h					
BNCR-955 Nicoya Ferrero 1977:123, I114	t	6.0	h			.66
	l		w	3.8		
	w		t	4.0		
	h					

predatory bird

APPENDIX I CATALOGUE OF THE STUDY COLLECTION (con't)

<u>Catalogue no.</u> <u>Provenience</u>	<u>Body</u>	<u>Head</u>	<u>Diameter of Central Perforation</u>	<u>Stone</u>	<u>Height Length Ratio</u>	<u>Notes</u>
MNCR-3.321 Plain	t 5.5 l w h	h w t 3.7	2.9 (2.25)		.67	
MNCR-8829 Nicoya Macaw	t 16.0					
	Ferrero 1977: 75, I-39					
MNCR-8947 Banded	t 6.9 l 6.9 w 6.9 h 4.6	h w t 4.6	3.0 (2.65)		.66	
MNCR-8948 Plain	t 5.65 l w 5.2 h 4.4	h w t 4.4	3.2 (2.35)		.77	
MNCR-9088 Banded	t 5.8	t 3.5	2.64 (2.3)		.60	
MNCR-18665 Banded	t 7.5 l 7.0	t 6.0	3.05 (1.6)		.85	

APPENDIX II
ARTISTIC MOTIFS OCCURRING IN OTHER MEDIA

Vulgar name	Species	Use
Turkey	<u>Meleagrididae</u>	artistic motif, ceremonial
Mute dog	<u>Canis mexicana</u>	ceremonial
Tapir	<u>Tapirella bairdii</u>	artistic motif
Tucan (macaw)	<u>Ramaphastidae</u>	artistic motif
Armadillo	<u>Dasyopus novemcinctus</u>	artistic motif
Jaguar	<u>Felis onca centralis</u>	artistic motif, ceremonial
Ocelote	<u>F. pardalis aequatorialis</u>	artistic motif, ceremonial
Puma	<u>F. concolor L.</u>	artistic motif, ceremonial
Iguana	<u>Iguana iguana rhenolopha</u>	artistic motif
Turtle	<u>Chelonia mydas mydas</u>	artistic motif
Sting ray	<u>Dasyatidae, Aetobatidae,</u> <u>Mobulidae</u>	artistic motif
Barn owl	<u>Strigiformae</u>	artistic motif

Maya art motifs ceremonial animals	Painted and modeled pottery designs from northern Costa Rica and southern Nicaragua
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Jaguar

Jaguar

Serpent

Peccary

Deer

Bat

Crocodile

Crocodile

Monkey

Monkey

Owl

Fish

"etc."

Adapted from Spinden (1925). Animal forms given for the Maya Art motifs list motifs in order of preference. In outlining the Costa Rican and Nicaraguan motifs, the "etc." implies to me the occurrence of other, unlisted, motifs.

Nicoya Peninsula Painted decoration	Animal effigies	Polychromes: painted	Polychromes: modeled
Human figure seated profile standing	Humans	Man	Human head
Jaguar	Jaguar	Jaguar	Jaguar
Plumed serpent		Plumed serpent	
Mexican serpent heads			
Two-headed dragons		Two-head dragons	
Monkey	Monkey	Monkey	Monkey
Crab		Crab	
Scorpion		Scorpion	
Alligator Alligator god		Alligator	
	Armadillo		Armadillo
	Turkey		Turkey
	Macaw		Macaw

Nicoya Peninsula
Painted decoration

Polychromes:
painted

Polychromes:
modeled

Animal effigies

con't

"other birds"

unidentified animals

Adapted from Lothrop (1926)

Nicoya Polychromes**Monochromes**

Turkey

Macaw

Jaguar

Monkey

Armadillo

Human head

Man

Plumed serpent and derivatives

Two-headed dragon

Crab

Scorpion

Alligator

Earth monster

Jaguar

Monkey

Armadillo

Human figure

Alligator

Great horned owl

Turtle

Snake (rare)

Adapted from Strong (1948).

Nicoya Peninsula Monochromes: modeled	Monochromes: painted	Nicoya chocolate ware	Orange-brown ware
Human figure		Human figure	Human figure Human head
	Jaguar		Jaguar
	Monkey	Monkey	Monkey
Alligator		Alligator	Alligator
Alligator god		Alligator god	
Great horned owl			
Snake (rare)			Snake
	Turtle		Turtle
	Armadillo	Tapir	Armadillo
		Bat	
		Bird (unspecified)	
			Squash
			Doughnut

Adapted from Lothrop (1926)

 Other Motifs of Nicoya Art

Effigy adornos Early Polychrome B	birds frogs alligators	Coe 1962: 363
Monochrome adornos Middle Polychrome	human form monkey lizard monster heads	Coe 1962: 364
Sapoa River Valley effigy handles	fish heads	Lange 1971: 63
Zapandi ornamental motifs	monkey serpent jaguar legarto human figure cangrejo alacrán tapir pájaros	Lines 1936: 32, 33
Nicoya metates	animal heads geometric shapes	Strong 1948: 129

Highland motifs Pottery	Stone	Metallurgy
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Plumed serpent		
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Two-headed dragon		
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Feather pattern		
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Alligator Alligator god		Alligator
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Birds	Birds	Birds
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Jaguar	Jaguar	
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Owl		
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Alligator-bird combinations		
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reptiles		
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human effigies		Human figures holding trophy heads and objects
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armadillo		
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	monkey	
--	--------	--

	Dog (?)	
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		frogs
--	--	-------

		bells
--	--	-------

Adapted from Lothrop (1926)

Adapted from Strong (1948)

Diquis animals	Shell	Ivory	Gold	Clay
Stone				
Jaquars				
double headed			jaguar god	
jaguar god				
crocodile	crocodile	crocodile	crocodile	crocodile
			eagles	
			eagle gods	
			bat (rare)	
			semi-humans	
			frogs	
			bells	

Adapted from Lothrop (1963)

Diquis animals
Metallurgy

Bone

Stone

Eagles

Alligators

Toads

Frog

Spiders

Medals

patines

Monkey

Monkey

Jaguar

Jaguar

Armadillo

Bird

Parrot (rare)

Anthropomorphic

Serpent

Human figures

Adapted from Lothrop
(1926)

Adapted from Stone
(1963)

Adapted from
Mason (1945)

Motifs in Jade

Anthropoid figures

Human figures

Double human figure bars

Alligator/crocodile

Two-headed crocodiles

Jaguar

Monkey

Bats

Composite figures

Bird-monster

Parrot

Parrot with tufts

Beak birds

Spiral-beaked birds

Adapted from Easby (1968) and Balser (1974)

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- 1980 Mira Loma-Serrano 500kV Transmission Line Proponent's Environmental Assessment, for Southern California Edison Company
- 1980 Allen-Warner Valley Energy System Alternate Routes Feasibility Study, for Southern California Edison Company