

# **RAPID ECOLOGICAL ASSESSMENT SPANISH CREEK WILDLIFE SANCTUARY**



## **Volume 2: Appendices**

**J.C. Meerman**

**P. Herrera, B. Holland & A. Howe**

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## Spanish Creek Wildlife Sanctuary Vegetation Transect: "Cohune Ridge"

	324515/1934881													total dbh	(potential trees only)	> 10 cm DBH								
	Understory dense																							
	200-19	190-18	180-17	170-16	160-15	150-14	140-13	130-12	120-11	110-10	100-90	90-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-0 m				
<i>Acacia sp.</i>															10						10	1	1	
<i>Allophylus sp.</i>																		x				1		
<i>Andira inermis</i>														x								1		
<i>Attalea cohune</i>	x			40, 70							30	x	x	43		42, 295, 32, 3		32	32	36	443	15	12	
<i>Bactris</i>	x						x																	
<i>Bursera simaruba</i>									26, 12													38	2	2
<i>Calathea sp.</i>		x																						
<i>Calophyllum brasiliense</i>								52		27												79	2	2
<i>Castilia elastica</i>													x										1	
<i>Chrysophyllum mexicanum</i>											x												1	
<i>Coccoloba sp.</i>						15																15	1	1
<i>Cornutia sp.</i>		14																				14	1	1
<i>Costus sp.</i>																		x						
<i>Desmoncus orthacanthos</i>							x				x													
<i>Ficus sp.</i>					14			49		29											15	107	4	4
<i>Guazuma ulmifolia</i>			13																			13	2	2
<i>Inga sp.</i>				11																		11	1	1
<i>Margaritaria nobilis</i>																17						17	1	1
<i>Piper sp.</i>		x																						
<i>Pleuranthodendron lindenii</i>						11		12														23	2	2
<i>Protium copal</i>							14															14	1	1
<i>Pterocarpus officinalis</i>					98	38	26	17, 15	31	9, 18, 55												327	9	9
<i>Roystonea regia</i>						14	27															41	2	2
<i>Sabal mauritiiformis</i>	x						20				17											37	3	2
<i>Spondias mombin</i>						30												20	14			64	3	3
<i>Trichospermum grewiifolium</i>					21																	21	1	1
<i>Trophis racemosa</i>			14											13			34					61	3	3
																						1335	58	50

Date: 11/19/2003

UTM: 324515/1934881

High Forest

canopy 25 m high

Understory dense, some seedlings, many shrubs. soil black

**Spanish Creek Wildlife Sanctuary Vegetation Transect:  
"West Transect"**

Species	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200	total dbh	(potential trees only)	> 10 cm DBH
<i>Acacia sp. Cockspur</i>													x						11		11	2	1
<i>Attalea cohune</i>	40	x	29			x	35	36, 39	x	x	31	x		34			39		x	x	283	15	8
<i>Bursera simaruba</i>						28											57				85	2	2
<i>Castilia elastica</i>												x										1	
<i>Chamaedorea tepejilote</i>				x	x					x		x					x	x	x	x			
<i>Chrysophyllum mexicanum</i>		x			13	x					x										13	5	1
<i>Coccoloba belizensis</i>																	24				24	1	1
<i>Coccoloba schiedenana</i>				18									19								37	2	1
<i>Cojoba arborea</i>		x	14																		14	2	1
<i>Cordia sp.</i>																		13			13	1	1
<i>Desmoncus orthacanthos</i>							x										x				62	1	1
<i>Ficus sp. (matapalo)</i>	62																				62	1	1
<i>Inga rovirosae</i>						12			x							x					12	3	1
<i>Lonchocarpus sp.</i>	17		25					27													69	3	3
<i>Luhea seemani</i>				16																	16	1	1
<i>Manilkara zapota</i>																		20		x	20	2	1
<i>Maranta arundinaceae</i>												x	x	x									
<i>Matayba opositifolia</i>						12		x		x				12				x	x		24	6	2
<i>Ouratea sp.</i>			x															x					
<i>Phyllanthus sp.</i>	x	x	x																				
<i>Piper jacquemontianum</i>	x			x				x			x				x	x							
<i>Piper sp.</i>			x		x	x	x		x		x	x	x	x		x	x	x					
<i>Pouteria campechiana</i>					x				31		52	23									106	5	3
<i>Protium copal</i>														18	20					18	56	3	3
<i>Pseudolmedia sp.</i>	11	13															x		17		41	4	3
<i>Sabal mauritiiformis</i>							x	17			x		x					19	x		36	6	2
<i>Spondias mombin</i>										34							x				34	2	1
<i>Stemmadenia donnell-smithii</i>						16	x							15				13			44	4	3
<i>Vitex gaumeri</i>																31					31	1	1
<i>Zamia polymorpha</i>																	x						
<i>Zygia gigantifolia.</i>		x			15		x														15	4	1
																					<b>1046</b>	<b>76</b>	<b>42</b>

Date: 05/01/2003  
UTM  
High Forest  
canopy 25 m high

## Spanish Creek Wildlife Sanctuary Vegetation Transect: "East Transect"

	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200	total dbh	(potential trees only)	> 10 cm DBH
<i>Acacia glomerosa</i>										x					25						25	2	1
<i>Acacia sp.</i>	11					x		10												13	34	3	3
<i>Allophylus/Thinouina</i>			x																		0	1	
<i>Anthurium sp.</i>																							
<i>Attalea cohune</i>						37					x	39	28			32, 38		x		x	174	8	5
<i>Bactris major</i>																							
<i>Calathea lutea</i>				x																			
<i>Callophyllum brasiliense</i>	15				x	x						23			x						38	5	2
<i>Ceiba pentandra</i>	20																				20	1	1
<i>Chrysophyllum mexicanum</i>																		x			0	1	
<i>Coccoloba spp.</i>																				(18,23)	41	1	1
<i>Cryosophila stauracantha</i>	10		x					10	x									x	x	x	20	5	2
<i>Cupania Belizeensis</i>							22														22	1	1
<i>Dead tree, standing</i>													10								10	1	1
<i>Faramea</i>											x												
<i>Ficus maxima</i>														29							29	1	1
<i>Guarea sp.</i>				x																	0	1	
<i>Guazuma ulmifolia</i>		19						23													42	2	2
<i>Lonchocarpus guatemalensis</i>		11																			11	1	1
<i>Machaerium sp</i>																							
<i>Manilkara zapota</i>													x			x				38	38	3	1
<i>Miconia impetiolearis</i>	x																					1	
<i>Mouriri myrtiloides</i>		x		10																	10	2	1
<i>Mutingia sp</i>					x																0	3	
<i>Ouratea sp.</i>																			x	x			
<i>Passiflora guatemalensis</i>											x												
<i>Piper (psilorachis?)</i>							x		x														
<i>Psychotria spp.</i>									x														
<i>Pterocarpus rohrii</i>																	55				55	1	1
<i>Sabal mauritiiformis</i>																					55	2	2
<i>Spondias mombin</i>													28		22						50	2	2
<i>Swartzia cubensis</i>					14	23		x			12										94	5	4
<i>Tabebuia chrysanta</i>			56	x																	56	3	1
<i>Terminalia amazonia</i>																	34				34	1	1
<i>Trichilia havanensis</i>		x			24						26	16									66	4	3
<i>Trophis racemosa</i>				22						x			11						x		33	4	2
<i>Vine</i>																							
<i>Vriesea</i>																							
<i>Zygia gigantifolia.</i>	16											x									16	2	1
																					973	67	40

Date: 04/30/2003      UTM 326391/1935588      High Forest      canopy 25 m high      Understory fairly dense, some seedlings, soil brown

# Spanish Creek Wildlife Sanctuary Vegetation Transect: "Medicinal Trail"

trockopass      Hog wallow

	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200	total dbh	(potential trees only)	> 10 cm DBH	
<i>Acacia glomerosa</i>			x				x						29						x		29	4	1	
<i>Allophyllus cominia</i>							x															1		
<i>Attalea cohune</i>	x		30, 31				x			37	x		x	x			31	x	x	x	99	15	4	
<i>Bactris sp.</i>										x														
<i>Bauhinia herrerae</i>		x																	x					
<i>Bignoniaceae Vine</i>																		x						
<i>Sweetia panamensis</i>			x											x								2		
<i>Bromelia pinguin</i>				x																				
<i>Bursera simaruba</i>																	14				14	1	1	
<i>Calophyllum brasiliense</i>										x												1		
<i>Casearia sylvestris</i>														x					x	x		3		
<i>Cassipourea guianensis</i>			x	x	x		x			x	x							x				7		
<i>Cecropia peltata</i>								19		19												38	2	2
<i>Ceiba pentandra</i>									11											12		23	2	2
<i>Chrysophyllum mexicanum</i>							x															1		
<i>Rhipidocladum sp.</i>		x																						
<i>Coccoloba belizensis</i>																	x			x		2		
<i>Cochlospermum vitifolium</i>																			32			32	1	1
<i>Cordia sp.</i>														16								16	1	1
<i>Costus rubra</i>								x					x											
<i>Cupania rufescens</i>										x													1	
<i>Dalbergia glabra</i>																		x						
<i>Dead</i>	55								22		14	23									10	114	5	5
<i>Desmonchus orthocanthos</i>				x	x							x												
<i>Dialium guianense</i>			x																	x			2	
<i>Dilleniaceae Vine</i>																				x				
<i>Eugenia (capuli?)</i>	x																						1	
<i>Faramea occidentalis</i>			x													x								
<i>Ficus sp.</i>	x							x	x			x									26	26	5	1
<i>Unknown</i>																			18			18	1	1
<i>Cryosophila stauracanti</i>	x			x	x	x				x			x	x				x		x				
<i>Guettarda sp?</i>				30																		30	1	1
<i>Hamelia rovirosae</i>							x																	
<i>Pisonia aculata</i>			x								x													
<i>Heliconia latispatha</i>							x																	
<i>Inga pavoniana</i>										x					19							19	2	1
<i>Lacistema aggregatum</i>									x														1	
<i>Manilkara chicle</i>					x																		2	
<i>Matayba apetala</i>	x												x										2	
<i>Miconia impetolaris</i>			x																				1	



## Spanish Creek Wildlife Sanctuary Vegetation Transects: Combined Data and Results

<b>Species</b>	<b>MedTrail</b>	<b>EastTran</b>	<b>WestTran</b>	<b>Cohune Ridge</b>
<i>Acacia (bullhorn)</i>	1		1	
<i>Acacia glomerosa</i>	1	1		
<i>Acacia sp.</i>		3		1
<i>Attalea cohune</i>	4	5	8	12
<i>Brosimum alicastrum</i>	1			
<i>Bursera simaruba</i>	1		2	2
<i>Callophyllum brasiliense</i>		2		2
<i>Cecropia peltata</i>	2			
<i>Ceiba pentandra</i>	2	1		
<i>Chrysophyllum mexicanum</i>			1	
<i>Coccoloba belizensis</i>			1	
<i>Coccoloba schiedenana</i>			1	
<i>Coccoloba sp.</i>		1		1
<i>Cochlospermum vitifolium</i>	1			
<i>Cojoba arborea</i>			1	
<i>Cordia sp.</i>	1		1	
<i>Cornutia sp.</i>				1
<i>Cryosophila stauracantha</i>		2		
<i>Cupania Belizensis</i>		1		
<i>Ficus maxima</i>		1		
<i>Ficus sp.</i>	1		1	4
<i>Guazuma ulmifolia</i>		2		
<i>Guazuma ulmifolia</i>				2
<i>Guettarda sp?</i>	1			
<i>Inga pavoniana</i>	1			
<i>Inga rovirosae</i>			1	
<i>Inga sp.</i>				1
<i>Lonchocarpus guatemalensis</i>		1		
<i>Lonchocarpus sp.</i>			3	
<i>Luhea seemani</i>			1	
<i>Manilkara zapota</i>		1	1	
<i>Margaritaria nobilis</i>				1
<i>Matayba apetala</i>			2	
<i>Miconia argentea</i>	1			
<i>Mouriri myrtiloides</i>		1		
<i>Pleuranthodendron lindenii</i>				2
<i>Pouteria campechiana</i>			3	
<i>Protium copal</i>			3	
<i>Protium copal</i>				1
<i>Pseudolmedia sp.</i>			3	
<i>Pterocarpus officinalis</i>				9
<i>Pterocarpus rohrii</i>		1		
<i>Roystonea regia</i>				2
<i>Sabal mauritiformis</i>	8	2	2	2
<i>Sebastiania adenophora/confusa</i>	3			
<i>Spondias radkofleri/mombin</i>		2	1	3
<i>Stemmadenia donnell-smithii</i>			3	
<i>Swartzia cubensis</i>		4		
<i>Tabebuia chrysanta</i>		1		
<i>Terminalia amazonia</i>		1		
<i>Trichilia havanensis</i>		3		
<i>Trichospermum grewifolium</i>				1
<i>Trophis racemosa</i>		2		3
<i>Unknown</i>	1			
<i>Vitex gaumeri</i>	3		1	
<i>Zygia gigantifolia.</i>		1	1	



## Spanish Creek Wildlife Sanctuary Vegetation Transects: Combined Data and Results

<b>Index</b>	<b>MedTrail</b>	<b>EastTran</b>	<b>WestTran</b>	<b>Cohune Ridge</b>
Date	Date: 01/15/2004	Date: 04/30/2003	Date: 05/01/2003	Date: 11/19/2003
Location	UTM 323881/1934240	UTM 326391/1935588	UTM	UTM: 324515/1934881
Forest type	Low Forest	High Forest	High Forest	High Forest
Canopy height	canopy 15 m high	canopy 25 m high	canopy 25 m high	canopy 25 m high
Understory	Understory fairly dense, some seedlings, soil brown	Understory fairly dense, some seedlings, soil brown	Understory open, some seedlings, soil brown, shallow over limestone fragments	Understory dense, some seedlings, many shrubs. soil black
$N_0$ = Number of species	18	23	22	18
Shannon H' Log Base 2.718	2.541	2.933	2.85	2.511
Evenness E1 (Shannon J')	0.897	0.949	0.922	0.869
Rarefraction at 10	7.5	8.5	8.1	7.0
Rarefraction at 20	12.3	14.5	13.7	11.1
Rarefraction at 30	16.0	18.9	18.0	14.1
Living stems > 10 cm dbh (incl. vines)	39	40	42	50
Average stem dbh in cm	19.9	24.3	24.9	26.7
Number of trees (non vines)	39	67	76	58
Number of multi-stemmed trees	0	1	0	0
Number of dead trees	5	1	0	0
Space per living tree in m <sup>2</sup>	20.5	20.0	19.0	16.0
Total species	53	23	22	18
Dominant tree species (> 10% of total, >10cm dbh)	<i>Attalea cohune</i> , <i>Sabal mauritiiformis</i>	<i>Attalea cohune</i> , <i>Swartzia cubensis</i>	<i>Attalea cohune</i>	<i>Attalea cohune</i> , <i>Pterocarpus officinalis</i>
Dominant woody species	<i>Attalea cohune</i>	<i>Attalea cohune</i>	<i>Attalea cohune</i>	<i>Attalea cohune</i> , <i>Pterocarpus officinalis</i>
Largest biomass	<i>Attalea cohune</i> , <i>Sabal mauritiiformis</i>	<i>Attalea cohune</i>	<i>Attalea cohune</i>	<i>Attalea cohune</i> , <i>Pterocarpus officinalis</i>

## Flora of Spanish Creek Wildlife Sanctuary, Belize

Family	Species	Local Name	Uses	UTM	UTM	UTM	UTM	UTM	UTM	UTM	UTM	UTM
				324072/ 1935077	327023/ 1935199	324205/ 1935121	327764/ 1937400	324515/ 1934881	326391/ 1935588	327764/ 1937400	323881/ 1934240	324043/ 1933577
Ecosystem				IA2a(1)(b) CE	IA2g(1)(a) T	IA2a(1)(b) CE	IIIB1b(f) P	IA2a(1)(b) CE	IA2a(1)(b) CE	Urban/ Agriculture	IA2a(1)(b) CE	IA2a(1)(b) CE
				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Anacardiaceae	<i>Astronium graveolens</i>	Jobillo	Medicinal									15-Jan_04
Anacardiaceae	<i>Metopium brownei</i>	Black Poisonwood	Medicinal									15-Jan_04
Anacardiaceae	<i>Spondias mombin/radlkofleri</i>	Hog Plum	Medicinal	30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	
Annonaceae	<i>Annona primogenia</i>	Wild custard apple	Medicinal									15-Jan_04
Apocynaceae	<i>Aspidosperma megalocarpon</i>	White Mylady									15-Jan-04	
Apocynaceae	<i>Stemmadenia donnell-smithii</i>	Cojoton	Medicinal			1-May-03						15-Jan_04
Apocynaceae	<i>Thevetia ahouai</i>		Medicinal								15-Jan-04	15-Jan_04
Araceae	<i>Anthurium schlechtendalii</i>	Cola de faisán	Medicinal	30-Apr-03								
Araceae	<i>Dieffenbachia oerstedii</i>	Dumb Cane										15-Jan_04
Araceae	<i>Monstera sp.</i>					1-May-03						
Araceae	<i>Philodendron radiatum</i>	rare	Medicinal	30-Apr-03							15-Jan-04	15-Jan_04
Araliaceae	<i>Dendropanax arboreus</i>		Medicinal			1-May-03						
Arecaceae	<i>Attalea cohune</i>	Cohune	Medicinal	30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	15-Jan_04
Arecaceae	<i>Bactris major</i>	Pokenoboy	Medicinal	30-Apr-03		1-May-03						
Arecaceae	<i>Bactris sp.</i>	Pokenoboy						12-Aug-03			15-Jan-04	15-Jan_04
Arecaceae	<i>Chamaedorea tepejilote</i>	Pakaya	Medicinal			1-May-03						
Arecaceae	<i>Chamaeodorea oblongata</i>											15-Jan_04
Arecaceae	<i>Chamaeodorea seifrizii</i>											15-Jan_04
Arecaceae	<i>Cryosophila stauracantha</i>	Give and Take	Medicinal	30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Arecaceae	<i>Desmoncus orthacanthos</i>	Basket tie-tie		30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	
Arecaceae	<i>Roystonea regia</i>	Cabbage Palm		30-Apr-03		1-May-03		12-Aug-03				15-Jan_04
Arecaceae	<i>Sabal mauritiiformis</i>	Bayleaf		30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	15-Jan_04
Aristolochiaceae	<i>Aristolochia maxima</i>	Guacu	Medicinal									15-Jan_04
Aristolochiaceae	<i>Aristolochia trilobata</i>	Contribo	Medicinal									15-Jan_04
Asclepiadaceae	<i>Asclepias curassavica</i>	Polly Redhead	Medicinal					12-Aug-03				
Asteraceae	<i>Unknown</i>			30-Apr-03								
Bignoniaceae	<i>Amphitecna breedlovei</i>	Calabash										15-Jan_04
Bignoniaceae	<i>Tabebuia chrysanta</i>	Cortez	Medicinal	30-Apr-03								15-Jan_04
Bignoniaceae	<i>Tabebuia rosea</i>	Mayflower	Medicinal						30-Apr-03			15-Jan_04
Bignoniaceae	<i>Unknown vine</i>			30-Apr-03							15-Jan-04	
Bixaceae	<i>Cochlospermum vitifolium</i>	Wishwilly Cotton	Medicinal								15-Jan-04	15-Jan_04
Bombacaceae	<i>Ceiba pentandra</i>	Cotton	Medicinal	30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Bombacaceae	<i>Ochroma pyramidale</i>	Balsa										15-Jan_04
Bombacaceae	<i>Pachyra aquatica</i>	Provision Bark	Medicinal								15-Jan-04	15-Jan_04
Bombacaceae	<i>Quararibea funebris</i>										15-Jan-04	15-Jan_04

## Flora of Spanish Creek Wildlife Sanctuary, Belize

Family	Species	Local Name	Uses	UTM	UTM	UTM	UTM	UTM	UTM	UTM	UTM	UTM
				324072/ 1935077	327023/ 1935199	324205/ 1935121	327764/ 1937400	324515/ 1934881	326391/ 1935588	327764/ 1937400	323881/ 1934240	324043/ 1933577
Ecosystem				IA2a(1)(b) CE	IA2g(1)(a) T	IA2a(1)(b) CE	IIIB1b(f) P	IA2a(1)(b) CE	IA2a(1)(b) CE	Urban/ Agriculture	IA2a(1)(b) CE	IA2a(1)(b) CE
				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Boraginaceae	<i>Cordia bicolor</i>	White Salmwood		30-Apr-03			1-May-03				15-Jan-04	15-Jan_04
Boraginaceae.	<i>Heliotropium indicum.</i>		Medicinal					30-Apr-03				
Boraginaceae.	<i>Heliotropium sp.</i>							30-Apr-03				
Bromeliaceae	<i>Aechmaea tilandsioides</i>											15-Jan_04
Bromeliaceae	<i>Androlepis skinneri</i>											15-Jan_04
Bromeliaceae	<i>Bromelia pinguin</i>	Pinuela, Pinwing	Medicinal				1-May-03				15-Jan-04	15-Jan_04
Bromeliaceae	<i>Vriesea sp.</i>			30-Apr-03								
Burseraceae	<i>Bursera simaruba</i>	Gumbo Limbo	Medicinal				1-May-03	12-Aug-03			15-Jan-04	15-Jan_04
Burseraceae	<i>Protium copal</i>	Copal	Medicinal				1-May-03	12-Aug-03			15-Jan-04	
Cabombaceae	<i>Cabomba palaeformis</i>	Woodpeck, Squirrel tail							12-Aug-03			
Cactaceae	<i>Rhipsalis baccifera</i>											15-Jan_04
Caesalpinioideae	<i>Bauhinea herrerae</i>		Medicinal								15-Jan-04	15-Jan_04
Caesalpinioideae	<i>Caesalpinia bonduc</i>		Medicinal						15-Jan_04			
Caesalpinioideae	<i>Cassia grandis</i>	Bokut	Medicinal									15-Jan_04
Caesalpinioideae	<i>Dialium guianense</i>	Ironwood					1-May-03		30-Apr-03		15-Jan-04	15-Jan_04
Caesalpinioideae	<i>Schizolobium parahyba</i>	Quamwood									15-Jan-04	15-Jan_04
Caesalpinioideae	<i>Senna sp.</i>										15-Jan-04	
Caesalpinioideae	<i>Senna like vine</i>	Senna like vine										15-Jan_04
Capparaceae	<i>Crateva tapia</i>		Medicinal	30-Apr-03			1-May-03					
Caricaceae	<i>Carica papaya</i>	Papaya	Medicinal									15-Jan_04
Cecropiaceae	<i>Cecropia peltata</i>	Trumpet	Medicinal						12-Aug-03		15-Jan-04	
Chrysobalanaceae	<i>Hirtella racemosa</i>											15-Jan_04
Clusiaceae	<i>Callophyllum brasiliense</i>	Santa Maria	Medicinal	30-Apr-03				12-Aug-03			15-Jan-04	15-Jan_04
Clusiaceae	<i>Clusia (lundellii?)</i>						1-May-03					
Clusiaceae	<i>Vismia macrophylla</i>	Ringworm Stick	Medicinal								15-Jan-04	15-Jan_04
Combretaceae	<i>Bucida buceras</i>	Bullettree	Medicinal						30-Apr-03			15-Jan_04
Combretaceae	<i>Combretum laxum</i>								30-Apr-03			
Combretaceae	<i>Terminalia amazonia</i>	Nargusta		30-Apr-03								15-Jan_04
Convolvulaceae	<i>Aniseia martinicensis</i>											
Convolvulaceae	<i>Ipomoea (squamosa/trifida?).</i>	Morning glory								30-Apr-03		
Convolvulaceae	<i>Ipomoea alba</i>	Potato slip	Medicinal									15-Jan_04
Costaceae	<i>Costus pulverulentus</i>		Medicinal	30-Apr-03				12-Aug-03			15-Jan-04	15-Jan_04
Cucurbitaceae	<i>Psiguria triphylla</i>										15-Jan-04	
Cyperaceae	<i>Scleria bracteata</i>	Cutting Grass										15-Jan_04
Cyperaceae	<i>Scleria sp.?</i>										15-Jan-04	15-Jan_04

## Flora of Spanish Creek Wildlife Sanctuary, Belize

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Ecosystem				IA2a(1)(b) CE	IA2g(1)(a) T	IA2a(1)(b) CE	IIIB1b(f) P	IA2a(1)(b) CE	IA2a(1)(b) CE	Urban/ Agriculture	IA2a(1)(b) CE	IA2a(1)(b) CE
				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Dilleniaceae	<i>Unknown</i>											15-Jan-04
Euphorbiaceae	<i>Phyllanthus sp. (acuminatus?)</i>		Medicinal				1-May-03				30-Apr-03	
Euphorbiaceae	<i>Adelia barbinervis</i>										30-Apr-03	15-Jan_04
Euphorbiaceae	<i>Croton ?</i>	(Achiote like)										15-Jan_04
Euphorbiaceae	<i>Croton sp.</i>											15-Jan_04
Euphorbiaceae	<i>Margaritaria nobilis</i>								12-Aug-03			
Euphorbiaceae	<i>Sapium laterifolium</i>											15-Jan-04 15-Jan_04
Euphorbiaceae	<i>Sebastiania adenophora/confusa</i>	White Poisonwood					1-May-03					15-Jan-04 15-Jan_04
Euphorbiaceae ?	<i>Unknown</i>	Redwood?					1-May-03					
Flacourtiaceae	<i>Casearia sylvestris</i>	Shaggy Bark	Medicinal				1-May-03					15-Jan-04 15-Jan_04
Flacourtiaceae	<i>Pleuranthodendron lindenii</i>								12-Aug-03			
Flacourtiaceae	<i>Unknown</i>											15-Jan-04 15-Jan_04
Flacourtiaceae	<i>Zuelania guidonia</i>	Waterwood	Medicinal				1-May-03					15-Jan-04 15-Jan_04
Haemodoraceae	<i>Xiphidium caeruleum</i>	White Iris small										15-Jan_04
Heliconiaceae	<i>Heliconia latispatha</i>											15-Jan-04
Lacistemaceae	<i>Lacistema aggregatum</i>											15-Jan-04
Lauraceae	<i>Nectandra sp.?</i>	Timbersweet										15-Jan_04
Lemnaceae	<i>Lemna</i>	Puskots								15-Jan_04		
Lentibulariaceae	<i>Utricularia foliosa</i>	Woodpeck, Squirrel tail								12-Aug-03		15-Jan_04
Loganiaceae	<i>Strychnos sp.</i>	Chicoloro	Medicinal									15-Jan_04
Malvaceae	<i>Hampea trilobata</i>		Medicinal									15-Jan_04
Marantaceae	<i>Calathea lutea</i>	Waha leaf	Medicinal	30-Apr-03	30-Apr-03							
Marantaceae	<i>Calathea sp.</i>								12-Aug-03			
Marantaceae	<i>Maranta arundinaceae</i>	Arrow root	Medicinal				1-May-03					
Marcgraviaceae	<i>Souroubea sp.</i>											15-Jan_04
Melastomataceae	<i>Clidemia sp</i>		Medicinal									15-Jan_04
Melastomataceae	<i>Miconia argentea</i>	White Maya					1-May-03					15-Jan-04
Melastomataceae	<i>Miconia impetioilaris</i>			30-Apr-03	30-Apr-03							15-Jan-04 15-Jan_04
Melastomataceae	<i>Miconia sp.</i>											15-Jan_04
Melastomataceae	<i>Mourirri exilis</i>											15-Jan_04
Melastomataceae	<i>Mourirri myrtiloides</i>			30-Apr-03			1-May-03					15-Jan-04
Meliaceae	<i>Guaerea glabra</i>		Medicinal									15-Jan_04
Meliaceae	<i>Guarea sp.</i>						30-Apr-03					
Meliaceae	<i>Swietenia macrophylla</i>	Mahogany	Medicinal	30-Apr-03								15-Jan_04
Meliaceae	<i>Trichillia havanensis</i>		Medicinal	30-Apr-03								

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				Ecosystem	Ecosystem	Ecosystem	Ecosystem	Ecosystem	Ecosystem	Ecosystem	Ecosystem	Ecosystem
				IA2a(1)(b) CE	IA2g(1)(a) T	IA2a(1)(b) CE	IIIB1b(f) P	IA2a(1)(b) CE	IA2a(1)(b) CE	Urban/ Agriculture	IA2a(1)(b) CE	IA2a(1)(b) CE
				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Meliaceae	<i>Trichilia padilla</i>										15-Jan-04	15-Jan_04
Meliaceae	<i>Trichilia sp</i>					1-May-03						
Mimosoideae	<i>Acacia glomerosa</i>	Prickly yellow	Medicinal	30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Mimosoideae	<i>Acacia sp.</i>							12-Aug-03				
Mimosoideae	<i>Acacia sp.</i>	Bullhorn Acacia	Medicinal	30-Apr-03		1-May-03					15-Jan-04	
Mimosoideae	<i>Cojoba arborea</i>					1-May-03						
Mimosoideae	<i>Entrolobium cyclocarpon</i>	Tubroos	Medicinal			1-May-03						
Mimosoideae	<i>Inga pavoniana</i>	Tamatama bribri	Medicinal			1-May-03					15-Jan-04	15-Jan_04
Mimosoideae	<i>Inga sp.</i>							12-Aug-03				
Mimosoideae	<i>Mimosa pellita</i>	Sensitive weed										15-Jan_04
Mimosoideae	<i>Pithecellobium sp 2.</i>										15-Jan-04	
Mimosoideae	<i>Pithecellobium sp.</i>										15-Jan-04	
Mimosoideae	<i>Zygia conzattii</i>	Turtlebone							30-Apr-03			15-Jan_04
Mimosoideae	<i>Zygia gigantifolia.</i>			30-Apr-03	30-Apr-03	1-May-03						15-Jan_04
Mimosoideae ?	<i>Unknown</i>	Red Fowl				1-May-03						15-Jan_04
Mimosoideae ?	<i>Unknown</i>	John Crow Wood				1-May-03						15-Jan_04
Moraceae	<i>Brosimum alicastrum</i>	Ramon	Medicinal								15-Jan-04	15-Jan_04
Moraceae	<i>Castilia elastica</i>	Rubber				1-May-03		12-Aug-03				15-Jan_04
Moraceae	<i>Ficus maxima</i>		Medicinal	30-Apr-03								15-Jan_04
Moraceae	<i>Ficus sp.</i>	Matapalo				1-May-03						15-Jan_04
Moraceae	<i>Ficus sp.</i>							12-Aug-03			15-Jan-04	
Moraceae	<i>Pseudolmedia sp.</i>		Medicinal	30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Moraceae	<i>Trophis racemosa</i>		Medicinal	30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	15-Jan_04
Myristicaceae	<i>Virola koschnyi</i>	Banak										15-Jan_04
Myrsinaceae	<i>Ardisia cf. compressa</i>			30-Apr-03								
Myrtaceae	<i>Calyptanthus sp.</i>		Medicinal						30-Apr-03			
Myrtaceae	<i>Eugenia sp.</i>		Medicinal						30-Apr-03			
Myrtaceae	<i>Pimenta diocia</i>	Allspice	Medicinal								15-Jan-04	15-Jan_04
Myrtaceae	<i>Unknown</i>										15-Jan-04	
Nyctagynaceae	<i>Pisonia aculeata</i>	Hawknail	Medicinal	30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Nymphaeaceae	<i>Nymphaea ampla</i>	Tumtum	Medicinal						12-Aug-03			
Ochnaceae	<i>Ouatea sp.</i>			30-Apr-03		1-May-03					15-Jan-04	15-Jan_04
Olacaceae	<i>Heisteria media</i>											15-Jan_04
Orchidaceae	<i>Epidendrum imatophyllum</i>											15-Jan_04
Orchidaceae	<i>Oeceoclades maculata</i>										15-Jan-04	15-Jan_04

## Flora of Spanish Creek Wildlife Sanctuary, Belize

				UTM	324072/ 1935077	327023/ 1935199	324205/ 1935121	327764/ 1937400	324515/ 1934881	326391/ 1935588	327764/ 1937400	323881/ 1934240	324043/ 1933577
				Ecosystem	IA2a(1)(b) CE	IA2g(1)(a) T	IA2a(1)(b) CE	IIIB1b(f) P	IA2a(1)(b) CE	IA2a(1)(b) CE	Urban/ Agriculture	IA2a(1)(b) CE	IA2a(1)(b) CE
					East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Family	Species	Local Name	Uses										
Orchidaceae	<i>Sarcoglottis sp.</i>												15-Jan_04
Orchidaceae	<i>Vanilla planifrons</i>							1-May-03					15-Jan_04
Papilionoideae	<i>Acosmium panamensis</i>	Billy Web	Medicinal					1-May-03				15-Jan-04	15-Jan_04
Papilionoideae	<i>Aeschynomene deamii</i>												15-Jan_04
Papilionoideae	<i>Andira inermis</i>		Medicinal					1-May-03		12-Aug-03			
Papilionoideae	<i>Dalbergia glabra</i>	Logwood brush	Medicinal									15-Jan-04	
Papilionoideae	<i>Lonchocarpus guatemalensis</i>				30-Apr-03	30-Apr-03							
Papilionoideae	<i>Lonchocarpus pentaphyllus</i>							1-May-03					
Papilionoideae	<i>Lonchocarpus sp.</i>							1-May-03		30-Apr-03			15-Jan_04
Papilionoideae	<i>Machaerium sp.</i>		Medicinal		30-Apr-03								
Papilionoideae	<i>Pterocarpus officinalis</i>	Swamp Kaway	Medicinal		30-Apr-03	30-Apr-03				12-Aug-03			
Papilionoideae	<i>Pterocarpus rohrii</i>	Mountain Kaway			30-Apr-03								15-Jan_04
Papilionoideae	<i>Swartzia cubensis</i>	Bastard Rosewood	Medicinal		30-Apr-03								15-Jan_04
Passifloraceae	<i>Passiflora biflora</i>		Medicinal										15-Jan_04
Passifloraceae	<i>Passiflora coriacea</i>		Medicinal										15-Jan_04
Passifloraceae	<i>Passiflora serratifolia</i>												15-Jan_04
Passifloraceae.	<i>Passiflora foetida (lanuginosa?)</i> ,		Medicinal								30-Apr-03		
Piperaceae	<i>Peperomia sp.</i>					30-Apr-03							
Piperaceae	<i>Piper jacquemontianum</i>		Medicinal					1-May-03					15-Jan_04
Piperaceae	<i>Piper sp.</i>									12-Aug-03		15-Jan-04	15-Jan_04
Piperaceae	<i>Piper sp. 2</i>							1-May-03					15-Jan_04
Poaceae	<i>Guadua longifolia</i>	Spiny Bamboo			30-Apr-03								15-Jan_04
Poaceae	<i>Rhipidocladum sp.</i>											15-Jan-04	
Polygalaceae	<i>Secundaria diversifolia?</i>	Guingeo	Medicinal										15-Jan_04
Polygonaceae	<i>Coccoloba barbadensis</i>		Medicinal					1-May-03					
Polygonaceae	<i>Coccoloba belizensis</i>	Grape						1-May-03				15-Jan-04	
Polygonaceae	<i>Coccoloba diversifolia</i>		Medicinal										15-Jan_04
Polygonaceae	<i>Coccoloba spp.</i>	Uva			30-Apr-03					12-Aug-03			
Rhamnaceae	<i>Colubrina arborescens</i>	Carbon	Medicinal					1-May-03					
Rhizophoraceae	<i>Cassipourea guianensis</i>	Waterwood	Medicinal					1-May-03				15-Jan-04	15-Jan_04
Rubiaceae	<i>Amaioua corymbosa</i>												15-Jan_04
Rubiaceae	<i>Faramea occidentalis</i>				30-Apr-03			1-May-03				15-Jan-04	15-Jan_04
Rubiaceae	<i>Guettarda combsii</i>	Glassywood	Medicinal										15-Jan_04
Rubiaceae	<i>Guettarda sp?</i>											15-Jan-04	
Rubiaceae	<i>Hamelia rovirosae</i>											15-Jan-04	

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				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Rubiaceae	<i>Morinda royoc</i>		Medicinal									15-Jan_04
Rubiaceae	<i>Psychotria poeppigiana</i>	Hotlips	Medicinal									15-Jan_04
Rubiaceae	<i>Psychotria spp.</i>										15-Jan-04	15-Jan_04
Rubiaceae	<i>Randia aculeata</i>		Medicinal									15-Jan_04
Rubiaceae	<i>Simira salvadorensis</i>	Redwood				1-May-03						
Rubiaceae	<i>Uncaria tomentosa</i>	Una de Gato	Medicinal									15-Jan_04
Salviniaceae	<i>Salvinia minima</i>	Tumtum										15-Jan_04
Sapindaceae	<i>Allophylus cominia</i>			30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	15-Jan_04
Sapindaceae	<i>Cupania belizensis</i>	Grande Betty	Medicinal	30-Apr-03		1-May-03						
Sapindaceae	<i>Cupania rufescens</i>			30-Apr-03							15-Jan-04	15-Jan_04
Sapindaceae	<i>Matayba apetala</i>	Boyob				1-May-03					15-Jan-04	
Sapindaceae	<i>Paulinea sp.</i>											15-Jan_04
Sapindaceae	<i>Sapindus saponaria</i>		Medicinal						16-Jan-04			
Sapindaceae	<i>Unknown</i>					1-May-03						
Sapotaceae	<i>Chrysophyllum mexicanum</i>	Chikeh	Medicinal	30-Apr-03		1-May-03		12-Aug-03			15-Jan-04	
Sapotaceae	<i>Manilkara chicle</i>	Chiquibull									15-Jan-04	15-Jan_04
Sapotaceae	<i>Manilkara zapota</i>	Chicosapote	Medicinal	30-Apr-03		1-May-03						
Sapotaceae	<i>Pouteria campechiana</i>		Medicinal			1-May-03					15-Jan-04	15-Jan_04
Sapotaceae	<i>Pouteria reticulata</i>										15-Jan-04	15-Jan_04
Sapotaceae	<i>Pouteria sapota</i>	Mamey	Medicinal	30-Apr-03								
Sapotaceae	<i>Sideroxylon sp.</i>		Medicinal								15-Jan-04	15-Jan_04
Schizaceae	<i>Lygodium venustum</i>	Wirewris										15-Jan_04
Selaginellaceae	<i>Selaginella sp.</i>										15-Jan-04	
Simaroubaceae	<i>Simarouba glauca</i>	Negrito	Medicinal									15-Jan_04
Solanaceae.	<i>Cestrum racemosum</i>	Night Bloom							30-Apr-03			
Solanaceae.	<i>Solanum campechiense.</i>						30-Apr-03					
Solanaceae.	<i>Solanum tampicense</i>								30-Apr-03			
Sterculiaceae	<i>Guazuma ulmifolia</i>	Bay Cedar	Medicinal	30-Apr-03		1-May-03		12-Aug-03				15-Jan_04
Tiliaceae	<i>Christiana africana</i>											15-Jan_05
Tiliaceae	<i>Luehea seemani</i>					1-May-03						15-Jan_04
Tiliaceae	<i>Luehea speciosa</i>											15-Jan_04
Tiliaceae	<i>Mutingia calabura</i>		Medicinal	30-Apr-03								
Tiliaceae	<i>Trichospermum grewiifolium</i>	Narrow leaf Moho						12-Aug-03			15-Jan-04	15-Jan_04
Ulmaceae	<i>Ampelocera hottlei?</i>											
Urticaceae	<i>Phenax?</i>											15-Jan_04

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				East Walkover Transect	East Walkover Transect	West Walkover Transect	Sandbank	Cohune Ridge Transect	Along River	Rancho Dolores	BotTrail	Southern Transect
Verbenaceae	<i>Aegephila monstrosa</i>		Medicinal				1-May-03					
Verbenaceae	<i>Cornutia pyramidata</i>		Medicinal					12-Aug-03				
Verbenaceae	<i>Vitex gaumeri</i>	Yashnik, Fiddlewood	Medicinal				1-May-03				15-Jan-04	15-Jan_04
Violaceae	<i>Rinorea sp.</i>		Medicinal				1-May-03				15-Jan-04	
Violaceae.	<i>Hybanthus calceolaria.</i>									30-Apr-03		
Violaceae.	<i>Corynostylis arborea.</i>	Monkey Apple							30-Apr-03			
Vitaceae	<i>Vitis tiliaefolia</i>	Watervine	Medicinal				1-May-03					15-Jan_04
Zamiaceae	<i>Zamia polymorpha</i>	Bullrush					1-May-03					15-Jan_04
Zingiberaceae	<i>Renealmia aromatica</i>	Wild ginger					1-May-03				15-Jan-04	15-Jan_04



## Some Invertebrates of Spanish Creek Wildlife Sanctuary, Belize

Order	Species	Common Name	Location	Date	Habitat	Easting	Northing
Coleoptera	<i>Acrocinus longimanus</i>	Harlequin Beetle					
Coleoptera	<i>Megasoma elephas</i>	Rhinoceros Beetle					
Lepidoptera	<i>Danaus gilippus</i>	Queen	Near Village	30-Apr-03	IIIB1b(f)P	327,840	1,939,470
Molusca	<i>Elliptio</i> sp.?				Freshwater Lagoon Complex		
Molusca	<i>Pachychilus glaphyrus</i>	Jute	Upstream Creek	12-Aug-03	Headwater Stream	323,583	1,934,109
Molusca	<i>Pomacea</i>	Applesnail	Near Village	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470

## Fishes of the Spanish Creek Wildlife Sanctuary, Belize

Family	Species	Common Name	Location	Date	Habitat	Easting	Northing	Source
Anguillidae	<i>Anguila rostrata</i>	Conger Eel	Collected just below Spanish Rock	30-Apr-03	Headwater Stream	324,118	1,934,373	Visual
Antherinidae	<i>Antherinella sp.</i>		Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Ariidae	<i>Ariopsis assimilis</i>	Catfish	Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Characidae	<i>Astyanax aeneus</i>	Billam	Common throughout the River	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470	Trap
Characidae	<i>Hyphessobrycon compressus</i>	Billam	Common near bridge	15-Jan_04	Freshwater Lagoon Complex	327,840	1,939,470	Visual
Cichlidae	<i>Cichlasoma friedrichsthalii</i>	Mosmos	Caught near Village	30-Apr-03	Freshwater Lagoon Complex	327,460	1,939,000	Trap
Cichlidae	<i>Cichlasoma intermedium??</i>		Reported from the Spanish Rock Area		Headwater Stream	324,118	1,934,373	Reported
Cichlidae	<i>Cichlasoma meeki</i>	Moko Jek	Found below Spanish Rock	15-Jan_04	Headwater Stream	325,580	1,936,582	Trap
Cichlidae	<i>Cichlasoma robertsoni</i>	Night and Day	Caught near Village	30-Apr-03	Freshwater Lagoon Complex	327,460	1,939,000	Trap
Cichlidae	<i>Cichlasoma salvini</i>	Green Gial	Collected near Spanish Rock	15-Jan_04	Headwater Stream	324,118	1,934,373	Trap
Cichlidae	<i>Cichlasoma spilurum</i>		Found below Spanish Rock	15-Jan_04	Headwater Stream	325,580	1,936,582	Trap
Cichlidae	<i>Cichlasoma synspillum</i>	Tuba	Found below Spanish Rock	15-Jan_04	Headwater Stream	325,580	1,936,582	Trap
Cichlidae	<i>Cichlasoma urophthalmus</i>	Crana'	Found below Spanish Rock	15-Jan_04	Headwater Stream	325,580	1,936,582	Line
Cichlidae	<i>Oreochromis niloticus</i>		Found below Spanish Rock	15-Jan_04	Freshwater Lagoon Complex	325,580	1,936,582	Visual
Cichlidae	<i>Petenia splendida</i>	Bay Snook	Found below Spanish Rock	15-Jan_04	Freshwater Lagoon Complex	325,580	1,936,582	Line
Ictaluridae	<i>Ictalurus furcatus</i>	Bakra	Common near bridge	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470	Line
Ictaluridae	<i>Species</i>	Tiger Bakra	Reported. This one has spots and is Stockyer of build		Freshwater Lagoon Complex			Reported
Megalopiidae	<i>Megalops atlanticus</i>	Tarpon	Found below Spanish Rock	15-Jan_04	Freshwater Lagoon Complex	325,580	1,936,582	Visual
Pimelodidae	<i>Rhamdia guatemalensis</i>	Buttersea	Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Pimelodidae	<i>Rhamdia laticauda</i>	Buttersea	Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Poeciliidae	<i>Belenox belizanus</i>		Seen near bridge	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470	Visual
Poeciliidae	<i>Gambusia sexradiata</i>	Poopsie	Common near bridge	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470	Trap
Poeciliidae	<i>Heterandia bimaculata</i>		Collected near Spanish Rock	15-Jan_04	Headwater Stream	324,118	1,934,373	Trap
Poeciliidae	<i>Phallichthys fairweatheri</i>		Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Poeciliidae	<i>Poecilia mexicana</i>	Poopsie	Common near bridge	30-Apr-03	Freshwater Lagoon Complex	327,840	1,939,470	Visual
Poeciliidae	<i>Xipophorus helleri</i>		Collected near Spanish Rock	15-Jan_04	Headwater Stream	324,118	1,934,373	Trap
Rivulidae	<i>Rivulus tenuis</i>		Greenfield & thomerson, 1997.		Freshwater Lagoon Complex			Literature
Synbranchidae	<i>Ophisternon aenigmaticum</i>	Mudeel	Collected below Spanish Rock	30-Apr-03	Headwater Stream	324,118	1,934,373	Trap

## Amphibians of Spanish Creek Wildlife Sanctuary, Belize

Family	Species	Common Name	Location	Date	Habitat	Easting	Northing	Source
Bufonidae	<i>Bufo marinus</i>	Marine Toad	Near Village	12-Aug-03	IIIB1b(f)P	327,840	1,939,470	Observed
Bufonidae	<i>Bufo valliceps</i>	Gulf Toad	Near Village	12-Aug-03	IIIB1b(f)P	327,840	1,939,470	Observed
Hylidae	<i>Agalychnis callidryas</i>	Red-eyed Tree Frog	Near Spanish Rock	15-Jan_04	IA2a(1)(b)CE	324,118	1,934,373	Observed
Ranidae	<i>Rana vaillanti</i>	Spring Chicken	Near Spanish Rock	15-Jan_04	IA2a(1)(b)CE	324,118	1,934,373	Observed

## Reptiles Spanish Creek Wildlife Sanctuary, Belize

Family	Species	Common Name	Date	Habitat	Easting	Northing	Source
<b>Crocodiles</b>							
Crocodylidae	<i>Crocodylus moreletii</i>	Aligator		Freshwater Lag	327,460	1,939,000	Observed
<b>Lizards</b>							
Corytophanidae	<i>Basiliscus vittatus</i>	Jesus Christ Lizard, Maklaka		IIIB1b(f)P	327,460	1,939,000	Observed
Corytophanidae	<i>Corythophanes sp.</i>	Old man lizard		IA2a(1)(b)CE			Reported by local informants
Iguanidae	<i>Iguana iguana</i>	Bamboo Chicken	15-Jan_04	IIIB1b(f)P	327,460	1,939,000	Observed
<b>Snakes</b>							
Boidae	<i>Boa constrictor</i>		5-Dec-02	Freshwater Lag	325,580	1,936,582	Observed
Colubridae	<i>Clelia clelia</i>	Fishermen Clapansaya		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Drymarchon corais</i>	Blacktail		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Drymobius margaritiferus</i>	Guinea hen		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Imantodes cenchoa</i>	Cohune Ridge Tommy Goff		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Leptophis mexicanus</i>	Greenhead		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Ninia sebae</i>	Bead and Coral		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Oxybelus aeneus</i>	Tie-tie Snake		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Oxybelus fulgidus</i>	Green Tommy Goff		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Spilotes pullatus</i>	Bocatora Clapansaya		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Scaphiodontophis annulatus</i>	Double snake		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Lampropeltis triangulum</i>	Bead and Coral		IA2a(1)(b)CE			List (undated) provided by PFB
Colubridae	<i>Ficimia publia</i>	House Tommy Goff		IA2a(1)(b)CE			List (undated) provided by PFB
Elapidae	<i>Micrurus diastema</i>	Bead and Coral		IA2a(1)(b)CE			List (undated) provided by PFB
Viperidae	<i>Crotalus durissus</i>	Rattlesnake		IA2a(1)(b)CE			List provided by PFB. Probably rare or
Viperidae	<i>Bothrops asper</i>	Yellow Jaw		IA2a(1)(b)CE			List provided by PFB
Viperidae	<i>Atropoides numifer</i>	Jumping Tommy Goff		IA2a(1)(b)CE			On list provided by PFB, but validity should
<b>Turtles</b>							
Dermatemydidae	<i>Dermatemys mawii</i>	Hickatee		Freshwater Lagoon Complex			Locally Extinct?
Emydidae	<i>Trachemys scripta</i>	Bocatora	30-Apr-03	Freshwater Lag	325,580	1,936,582	Observed
Emydidae	<i>Rhinoclemmys areolata</i>	Blackbelly turtle		IA2a(1)(b)CE			Reported by local informants
Kinosternidae	<i>Kinosternon acutum</i>	Swanka	15-Jan_04	IA2a(1)(b)CE			Observed
Kinosternidae	<i>Staurotypus triporcatus</i>	Loggerhead	30-Apr-03	Freshwater Lag	325,580	1,936,582	Observed, Reported by local informants
Kinosternidae	<i>Claudius amgustatus</i>	Swamp loggerhead		Freshwater Lagoon Complex			Reported by local informants

**SCWS Bird Transect (Cohune Ridge): Transect 12\_08\_03**

SPANISH CREEK P.A	POINT	COUNT		
SPIECES 12/08/03	TRANS	POINT	ST.TIME	FH.TIME
Spot-breasted wren	Cohune Fores	#1	0547hrs	
Yellow-throated Euphonia				
Pale-billed Wood-pecker				
Green-backed Sparrow				
Keeled-billed Toucan				
Dusky Antbird				
Scaled Pigeon				
Northern Bentbill				
Bright-rumped Attila				
Slaty-tailed Trogon				
Limpkin				
Grey-headed dove				
Red-ored Parrot				
Black-headed Trogon				
Clay-collared Thrush				
White-collared Manakin				
Plain Chachalaca				
White-fronted Parrot				
Short-billed Pigeon				
Rufous-Tailed Hummingbird				0557hrs
Bright-rumped Attila		#2	0559hrs	
Grey-headed dove				
Blue-ground Dove				
Red-ored Parrot				
Brown Jay				
White-breasted Wood-wren				
Northern Bentbill				
Ivory-billed Wood-creeper				
Bare-throated Tiger-heron				
Crested Quail				
Slaty-tailed Trogon				0609hrs
Masked Tityra		#3	0611hrs	
Stub-tailed Spadebill				
Spot-breasted wren				
Yellow-bellied Tyranulet				
Ivory-billed Wood-creeper				
Bright-rumped Attila				
Rufous-Tailed Hummingbird				
Black-cowled Oriole				
Olive-backed Euphonia				
Red-capped Manakin				0621hrs
Yellow-billed Casique		#4	0623hrs	
Plain Chachalaca				
Dot-winged Antwren				
Spot-breasted wren				
Pale-billed Wood-pecker				
Ivory-billed Wood-creeper				
Yellow-bellied Tyranulet				
Red-ored Parrot				
Black-headed Trogon				0633hrs
Lesser Greenlet		#5	0635hrs	
White-breasted Wood-wren				
Mexican Antthrush				
Blue-ground Dove				
Yellow-olive Flycatcher				
Stub-tailed Spadebill				
Grey-headed dove				
Yellow-headed Parrot				0645hrs

## SCWS Bird Transect (River 14-01-04)

SPIESES	POINT	TRANSECT	ST.TIME	FH.TIME	DATE	NUMBERS
Barred Woodcreeper		River	0610hrs		14/01/04	1
Tawny-winged Woodcreeper						2
Olivaceous Woodcreeper						1
Woodthrush						3
Gray Catbird						5
Little Hermet						2
Black-face Groosbeak						5
Rufous-yailed Hummingbird						3
Green Kingfisher						1
Northern Waterthrush						2
Ivory-billed Woodcreeper						2
Dusky-capped Flycatcher						1
Red-throated Ant-tanager						3
Dusky Antbird						2
Blue-black Groosbeak						4
Rufous-breasted Spinetail						2
Social Flycatcher						3
Black-headed Trogon						2
Common-tody Flycatcher						1
Yellow-bellied Eleania						5
Rose Throated Becard						4
Boat-billed Flycatcher						2
Ringed Kingfisher						3
Yellow-billed Casique						3
American Redstart						2
Spot-breasted Wren						2
Short-billed Pigeon						3
Barred Antshrike						4
Red-lorred Parrot						6
Magnolia Warbler						2
Gray-breasted Martin						3
Least Flycatcher						1
Long-tailed Hermet						2
Summer Tanager						3
Great Kiskadee						3
Neotropical Cormorant						2
Orchard Oriole						6
Hooded Warbler						2
Lesser-swallow Tailed Swift						6
Brown-hooded Parrot						3
Little-blue Heron						2
Limpkin						1
Great Egret						6
Tropical Peewee						1
Laughing Falcon						1
Amazon Kingfisher						2
Red-crowned Ant-tanager						2
Baltimore Oriole						3
Mexican Antthrush						1
Black-cowled Oriole						5
Green Heron						1
Yellow-throated Euphonia						2
White-breasted Woodwren				0710HRS		2

**SCWS Bird Transect:  
(River 15-01-04)**

SPIESES POINT	TRANSEC	ST.TIME	FH.TIME	DATE	NUMBERS
Red-throated Ant-tana River		0610hrs		15/01/04	1
Barred Woodcreeper					1
Rufous-tailed Hummingbird					2
Clay-collared Robin					3
Gray Catbird					5
Black-faced Grosbeak					3
Social Flycatcher					2
Ivory-billed Woodcreeper					2
Blue-black Grosbeak					5
Northern Waterthrush					2
Woodthrush					3
Dusky-capped Flycatcher					1
Common Yellowthroat					2
Mexican Anthrush					1
Spot-breasted Wren					4
Little Tinamou					1
Rufous-breasted Spinetail					2
Green-back Sparrow					2
Dusky-Antbird					2
American Redstart					3
Great Antshrike					1
Short-billed Pigeon					1
Barred Antshrike					2
Magnolia Warbler					2
Black-headed Saltator					6
Green Kingfisher					1
Summer Tanager					2
Northern Bentbill					3
Common-tody Flycatcher					2
Couch's Flycatcher					2
Tropical Pewee					1
Great Kiskadee					3
Red-lorred Parrot					2
Orchard Oriole					4
Yellow-billed Casique					2
Smoky-browed woodpecker					1
White-breasted Woodwren					2
Bananaquit					1
Little blue Heron					1
Limpkin					1
White-eyed Virio					2
White-bellied Emerald					2
Neotropical Cormorant					3
Red-legged Honeycreeper					4
Wedge-tailed Sabrewing					2
Vaux's Swift					6
Great Curassow					2
Yellow-olive Flycatcher					3
Tropical kingbird			0710hrs		3

**SCWS Bird Transect:  
MedTrail**

SPIESES	POINT	TRANSEC	ST.TIME	FH.TIME	DATE	NUMBERS
Mottled Owl	#1	Low Fores	0614hrs		16/01/04	2
Northern Bentbill						3
Scaly-breasted Hummingbird						2
Rufous-tailed Hummingbird						1
Hooded Warbler						1
Woodthrush						2
Northern Waterthrush						1
Slaty-tailed Trogon						1
Bright-rumped Attila				0624hrs		2
Short-billed	#2		0626hrs			1
Hooded Warbler						1
Yellow-throated Euphonia						3
White-breasted Wood-wren						1
Northern Bentbill						1
Little Hermet						2
Long-tailed Hermet						3
Rufous-tailed Hummingbird						2
Lineated Woodpecker						1
Red-legged Honeycreeper				0636hrs		6
American F	#3		0639hrs			1
Magnolia Warbler						1
Lesser Greenlet						3
Northern Bentbill						2
Brown Jay						7
Grey-headed Tanager						3
Spot-breasted Wren				0649hrs		2
Laughing F	#4		0651hrs			1
Red-capped Manakin						2
Thrushlike Manakin						2
Red-throated Ant-tanager						4
Slaty-tailed Trogon						1
Kentucky Warbler				0701hrs		2
White-eyed	#5		0703hrs			1
Northern Bentbill						2
Smoky-brown Woodpecker						1
Lineated Woodpecker						1
Brown Jay						2
Dusky-capped Flycatcher						1
Grey-headed Tanager						1
Red-throated Ant-tanager						2
Violaceous Trogon						1
Nothern Royal Flycatcher				0713hrs		1



## SCWS Bird Transects Combined Data and Results

	Cohune Forest	Low Forest	River 14/1	River 15/1
Amazon Kingfisher				2
American Redstart		1	2	3
Baltimore Oriole			3	
Bananaquit				1
Bare-throated Tiger-heron	1			
Barred Antshrike			4	2
Barred Woodcreeper			1	1
Black-and-white Warbler				
Black-cowled Oriole	1		5	
Black-faced Groosbeak			5	3
Black-headed Saltator				6
Black-headed Trogon	2		2	
Blue-black Groosbeak			4	5
Blue-grey Gnatcher				
Blue-ground Dove	2			
Boat-billed Flycatcher			2	
Bright-rumped Attila	3	2		
Brown Jay	6	9		
Brown-hooded Parrot			3	
Chestnut-sided Warbler				
Clay-collared Thrush	1			3
Collared-forest Falcon				
Common Yellowthroat				2
Common-tody Flycatcher			1	2
Couch's Flycatcher				2
Crested Guan	1			
Dot-winged Antwren	1			
Dusky Antbird	1		2	2
Dusky-capped Flycatcher		1	1	1
Gray Catbird			5	5
Gray-breasted Martin			3	
Great Antshrike				1
Great Curassow				2
Great Egret			6	
Great Kiskadee			3	3
Great Tinamou				
Green Heron			1	
Green Kingfisher			1	1
Green-back Sparrow	1			2
Grey-headed dove	3			
Grey-headed Tanager		4		
Hooded Warbler		2	2	
Ivory-billed Woodcreeper	3		2	2
Keeled-billed Toucan	1			
Kentucky Warbler		2		
Laughing Falcon		1	1	
Least Flycatcher			1	
Lesser Greenlet	4	3		
Lesser-swallow Tailed Swift			6	
Limpkin	1		1	1
Lineated Woodpecker		2		
Little blue Heron				1
Little Hermit		2	2	
Little Tinamou				1
Little-blue Heron			2	
Long-billed Gnotwren				
Long-tailed Hermit		3	2	

## SCWS Bird Transects Combined Data and Results

Magnolia Warbler		1	2	2
Mangrove Virio				
Masked Tityra	1			
Melodius Blackbird				
Mexican Anthrush	1		1	1
Montozuma Oropendula				
Mottled Owl		2		
Neotropical Cormorant			2	3
Northern Bentbill	7	8		3
Northern Waterthrush		1	2	2
Nothern Royal Flycatcher		1		
Olivaceous Woodcreeper			1	
Olive-backed Euphonia	1			
Olive-throated Pappakeet				
Orchard Oriole			6	4
Pale-billed Wood-pecker	2			
Pale-vented Pigeon				
Parapue				
Philadelphia Virio				
Plain Chachalaca	2			
Red-billed Pigeon				
Red-capped Manakin	1	2		
Red-crowned Ant-tanager			2	
Red-legged Honeycreeper		6		4
Red-lore Parrot	3		6	2
Red-throated Ant-tanager		6	3	1
Ringed Kingfisher			3	
Rose Throated Becard			4	
Rose-throated Tanager				
Ruddy-woodcreeper				
Rufous-breasted Spinetail			2	2
Rufous-Tailed Hummingbird	2	3	3	2
Scaled Pigeon	1			
Scaly-breasted Hummingbird		2		
Short-billed Pigeon	1	1	3	1
Slaty Antshrike				
Slaty Antwren				
Slaty-tailed Trogon	2	2		
Smoky-brown Woodpecker		1		1
Social Flycatcher			3	2
Spot-breasted wren	3	2	2	4
Stub-tailed Spadebill	2			
Summer Tanager			3	2
Swainson Thrush				
Tawny-winged Woodcreeper			2	
Thick-billed Seed finch				
Thrushlike Manakin		2		
Thrushlike Schiffornis				
Tropical Gnotcatcher				
Tropical kingbird				3
Tropical Peewee			1	1
Unkown spp				
Vaux's Swift				6
Violaceous Trogon		1		
Wedge-tailed Sabrewing				2
White-bellied Emerald				2
White-bellied Wood-wren				
White-breasted Woodwren	2		2	2

## SCWS Bird Transects Combined Data and Results

White-collared Manakin	1			
White-eyed Virio		1		2
White-fronted Parrot	1			
White-tipped Dove				
Woodthrush		2	3	3
Yellow-bellied Elaenia			5	
Yellow-bellied Tyranulet	2			
Yellow-billed Casique	2		3	2
Yellow-green Virio				
Yellow-headed Parrot	1			
Yellow-olive Flycatcher	1			3
Yellow-throated Euphonia	1	3	2	
Yucatan Parrot				

Index	Cohune			
	Forest	Low Forest	River 14/1	River 15/1
$N_0$ = Number of species	38	31	53	49
Shannon H' Log Base 2.71†	3.44	3.189	3.83	3.757
Rarefraction at sample size of 10 birds	8.94	8.44	9.25	9.24
Rarefraction at sample size of 20 birds	16.03	14.45	17	16.96
Rarefraction at sample size of 30 birds	21.84	19.02	23.52	23.44
Rarefraction at sample size of 40 birds	26.71	22.63	29	28.87

Birds	Mayflower	Aguas		Midway
	lowland 2	Turbias Bajo	Barranco	Quarry
$N_0$ = Number of species	42	25	42	38
H' = Shannon's div. index	3.59	3	3.613	3.55
Rarefraction at sample size of 10 birds	9	8.5	9.38	9
Rarefraction at sample size of 20 birds	17	14.85	17.55	18
Rarefraction at sample size of 30 birds	23	20.15	24.77	25
Rarefraction at sample size of 40 birds	29	25	31.24	32

## Spanish Creek Wildlife Sanctuary Bird Checklist

English Name	Scientific name	Local name(s)	Status	30/4/03 R.D.VIL.	30/4/03 SP.CK	12/8/03 SP.CK	30/4/03 TRLS.	12/8/03 TRLS.	12/8/03 CohTr	16/01/04 MedTr	14/01/04 Riv
<b>TINAMOUS - TINAMIDAE</b>											
Great Tinamou	<i>Tinamus major</i>	Blue-footed	R	X	X		X	X		X	X
Little Tinamou	<i>Crypturellus soui</i>	Bawley	R	X						X	
Slaty-breasted Tinamou	<i>Crypturellus boucardi</i>	Red-footed partridge	R	Unconfirmed							
<b>GREBES - PODICIPEDIDAE</b>											
Least Grebe	<i>Tachybaptus dominicus</i>	Diving dopper,	R								X
<b>PELICANS - PELECANIDAE</b>											
Brown Pelican	<i>Pelecanus occidentalis</i>	Pelekin	WR		X						
<b>CORMORANTS - PHALACROCORACIDAE</b>											
Neotropic Cormorant	<i>Phalacrocorax brasilianus</i>	Shag	R		X	X					X
<b>ANHINGAS - ANHINGIDAE</b>											
Anhinga	<i>Anhinga anhinga</i>	Snake bird, Shag	R								X
<b>FRIGATEBIRDS - FREGATIDAE</b>											
Magnificent Frigatebird	<i>Fregata magnificens</i>	Man-o-war, Rabio	R	X	X						
<b>HERONS - ARDEIDAE</b>											
Bare-throated Tiger Heron	<i>Tigrisoma mexicanum</i>	Barking gaulin	R			X			X		X
Great Blue Heron	<i>Ardea herodias</i>	Full pott, Garza	WR								X
Great Egret	<i>Ardea alba</i>	Gaulin, Garza	WR		X	X					X
Snowy Egret	<i>Egretta thula</i>	White Gaulin, Garza	WR		X						X
Little Blue Heron	<i>Egretta caerulea</i>	Blue Gaulin, Garza	W			X					X
Tricolored Heron	<i>Egretta tricolor</i>	Crabcatcher, Garza	WR								X
Cattle Egret	<i>Bubulcus ibis</i>	Gaulin, Garza	WR		X						X
Green Heron	<i>Butorides virescens</i>	Green-backed	WR		X	X					X
Agami Heron	<i>Agamia agami</i>	Blue jacket	R		X	X					
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>		WRR	X							X
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>	King carpenter	WR								X
Boat-billed Heron	<i>Cochlearius cochlearius</i>	Spoon-billed	R		X						X
<b>IBISES AND SPOONBILLS - THRESKIORNITHIDAE</b>											
White Ibis	<i>Eudocimus albus</i>	White curlew, Cocito	R	Unconfirmed							
<b>STORKS - CICONIIDAE</b>											
Wood Stork *	<i>Mycteria americana</i>	John Crow Curlew,	R								X

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<b>AMERICAN VULTURES - CATHARTIDAE</b>											
Black Vulture	<i>Coragyps atratus</i>	John Crow, Sope	WR		X	X	X	X		X	
Turkey Vulture	<i>Cathartes aura</i>	Doctor John Crow,	WR	X	X	X	X			X	X
King Vulture	<i>Sarcoramphus papa</i>	King John Crow,	R	Unconfirmed							
<b>SWANS, GEESE AND DUCKS - ANATIDAE</b>											
Black bellied Whistling-Duck	<i>Dendrocygna autumnalis</i>		R		X			X			X
Muscovy Duck *	<i>Cairina moschata</i>		R					X			
<b>KITES, HAWKS, EAGLES AND ALLIES - ACCIPITRIDAE</b>											
Osprey	<i>Pandion haliaetus</i>	Billy hawk, Jincho	WR								X
Gray-headed Kite	<i>Leptodon cayanensis</i>		R								?
Snail Kite	<i>Rostrhamus sociabilis</i>		R		X	X					X
Plumbeous Kite	<i>Ictinia plumbea</i>		D		X						
Black collared Hawk	<i>Busarellus nigricollis</i>	Fishing hawk	R								X
Common Black-Hawk	<i>Buteogallus anthracinus</i>	Water hawk	R		X						X
Roadside Hawk	<i>Buteo magnirostris</i>	Chicken Hawk	R				X		X	X	X
Short-tailed Hawk	<i>Buteo brachyurus</i>		R					X			X
Black-and-white Hawk-Eagle	<i>Spizastur melanoleucus</i>		R							X	
Black Hawk-Eagle	<i>Spizaetus tyrannus</i>		R								?
Ornate Hawk-Eagle *	<i>Spizaetus ornatus</i>	Curassow hawk	R								X
<b>FALCONS AND ALLIES - FALCONIDAE</b>											
Collared Forest-Falcon	<i>Micrastur semitorquatus</i>		R							X	
Laughing Falcon	<i>Herpetotheres cachinnans</i>	Guaco	R	X				X		X	
Bat Falcon	<i>Falco ruficularis</i>	Lion hawk	R		X						X
<b>GUANS AND CURASSOWS - CRACIDAE</b>											
Plain Chachalaca	<i>Ortalis vetula</i>	Cockycrow, Cocrico	R	X	X	X	X	X	X	X	
Crested Guan	<i>Penelope purpurascens</i>		R				X		X	X	
Great Curassow *	<i>Crax rubra</i>	Faisan, Pajouil	R				?				X
<b>RAILS, GALLINULES AND ALLIES RALLIDAE</b>											
Ruddy Crake	<i>Laterallus ruber</i>	Dodging bull	R		X						X
Gray-necked Wood Rail	<i>Aramides cajanea</i>	Top-na-chick,	R		X	X					
<b>FINFOOTS - HELIORNITHIDAE</b>											
Sungrebe	<i>Heliornis fulica</i>		R		X	X					X
<b>LIMPKINS - ARAMIDAE</b>											
Limpkin	<i>Aramus guarauna</i>	Clucking hen	R		X	X	X		X		X

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<b>JACANAS - JACANIDAE</b>											
Northern Jacana	<i>Jacana spinosa</i>	Georgie bull	R		X	X					X
<b>SANDPIPERS AND ALLIES - SCOLOPACIDAE</b>											
Spotted Sandpiper	<i>Actitis macularia</i>	Shaky batty	WT		X						X
<b>PIGEONS AND DOVES - COLUMBIDAE</b>											
Feral Pigeon	<i>Columba livia</i>		R								
Pale-vented Pigeon	<i>Columba cayennensis</i>	Red mangrove	R	X	X	X	X			X	X
Scaled Pigeon	<i>Columba speciosa</i>	Mountain pigeon	R					X	X		
Red-billed Pigeon	<i>Columba flavirostris</i>		R	X							
Short-billed Pigeon	<i>Columba nigrirostris</i>	Tres pesos pigeon	R	X	X		X	X	X	X	X
Common Ground-Dove	<i>Columbina passerina</i>	Turtle dove	R	Unconfirmed, unlikely.							
Plain-breasted Ground-Dove	<i>Columbina minuta</i>		R	X							
Ruddy Ground-Dove	<i>Columbina talpacoti</i>	Turtle dove	R	X	X					X	X
Blue Ground-Dove	<i>Claravis pretiosa</i>		R	X	X		X	X	X	X	
White-tipped Dove	<i>Leptotila verreauxi</i>		R	X			X			X	X
Gray-fronted Dove	<i>Leptotila rufaxilla</i>		R	X			X				
Gray-Chested Dove	<i>Leptotila cassini</i>		R					X	X		
Ruddy Quail-Dove	<i>Geotrygon montana</i>		R	Unconfirmed							
<b>PARROTS - PSITTACIDAE</b>											
Olive-throated Parakeet	<i>Aratinga nana</i>	Aztec Parakeet,	R	X	X	X	X	X		X	X
Brown-hooded Parrot	<i>Pionopsitta haematotis</i>		R	X			X			X	
White-crowned Parrot	<i>Pionus senilis</i>		R	X			X	X	X	X	
White-fronted Parrot	<i>Amazona albifrons</i>		R	X	X		X		X	X	X
Red-lored Parrot	<i>Amazona autumnalis</i>		R	X	X		X	X	X	X	
Mealy Parrot	<i>Amazona farinosa</i>	Watch-out Parrot	R	X			X			X	
Yellow-headed Parrot	<i>Amazona oratrix</i>	Yellow-head	R						X		
<b>CUCKOOS - CUCULIDAE</b>											
Squirrel Cuckoo	<i>Piaya cayana</i>	Pe-quam	R	X		X	X	X		X	
Striped Cuckoo	<i>Tapera naevia</i>		R	X	X		X				X
Pheasant Cuckoo	<i>Dromococcyx phasianellus</i>		R	Unconfirmed							
Groove-billed Ani	<i>Crotophaga sulcirostris</i>	Cowboy Blackbird,	R	X		X					X
<b>TYPICAL OWLS - STRIGIDAE</b>											
Vermiculated Screech-Owl	<i>Otus guatemalae</i>	Monkey bird	R				X				
Mottled Owl	<i>Ciccaba virgata</i>		R	X		X	X				X

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<b>NIGHTHAWKS AND NIGHTJARS - CAPRIMULGIDAE</b>											
<b>Pauraque</b>	<i>Nyctidromus albicollis</i>	Who-you, Xpuhuy	R	X	X		X			X	
<b>Yucatan Nightjar</b>	<i>Caprimulgus badius</i>	Xpuhuy	R		X						
<b>POTOOS - NYCTIBIIDAE</b>											
<b>Northern Potoo</b>	<i>Nyctibius jamaicensis</i>	Six-month Bird	R								X
<b>SWIFTS - APODIDAE</b>											
<b>Vaux's Swift</b>	<i>Chaetura vauxi</i>		R	X			X	X			X
<b>Lesser Swallow-tailed Swift</b>	<i>Panyptila cayennensis</i>		R								X
<b>HUMMINGBIRDS - TROCHILIDAE</b>											
<b>Long-tailed Hermit</b>	<i>Phaethornis superciliosus</i>		R				X			X	X
<b>Little Hermit</b>	<i>Pygornis longuemareus</i>		R				X	X		X	X
<b>Scaly-breasted Hummingbird</b>	<i>Phaeochroa cuvierii</i>		R							X	
<b>Wedge-tailed Sabrewing</b>	<i>Campylopterus curvipennis</i>		R								X
<b>White-necked Jacobin</b>	<i>Florisuga mellivora</i>		R								X
<b>White-bellied Emerald</b>	<i>Amazilia candida</i>		R	X						X	X
<b>Azure-crowned Hummingbird</b>	<i>Amazilia cyanocephala</i>		R	X							
<b>Rufous-tailed Hummingbird</b>	<i>Amazilia tzacatl</i>		R	X			X	X		X	X
<b>Buff-bellied Hummingbird</b>	<i>Amazilia yucatanensis</i>		R				X				
<b>TROGONS - TROGONIDAE</b>											
<b>Black-headed Trogon</b>	<i>Trogon melanocephalus</i>	Ramatutu	R	X	X	X	X	X	X	X	X
<b>Violaceous Trogon</b>	<i>Trogon violaceus</i>	Peche amarillo	R	X			X			X	
<b>Slaty-tailed Trogon</b>	<i>Trogon massena</i>		R	X	X		X		X	X	X
<b>MOTMOTS - MOMOTIDAE</b>											
<b>Blue-crowned Motmot</b>	<i>Momotus momota</i>	Good Cook	R		X		X				
<b>KINGFISHERS - ALCEDINIDAE</b>											
<b>Ringed Kingfisher</b>	<i>Ceryle torquata</i>		R		X	X					X
<b>Belted Kingfisher</b>	<i>Ceryle alcyon</i>		W								X
<b>Amazon Kingfisher</b>	<i>Chloroceryle amazona</i>		R		X						X
<b>Green Kingfisher</b>	<i>Chloroceryle americana</i>		R		X	X					X
<b>American Pygmy Kingfisher</b>	<i>Chloroceryle aenea</i>		R		X						
<b>PUFFBIRDS - BUCCONIDAE</b>											
<b>White-necked Puffbird</b>	<i>Notharchus macrorhynchos</i>		R					X			

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<b>TOUCANS - RAMPHASTIDAE</b>										
Collared Aracari	<i>Pteroglossus torquatus</i>	Phyllis, Medio Pito	R	X	X		X	X		
Keel-billed Toucan	<i>Ramphastos sulfuratus</i>	Billbird, Pito real	R	X				X	X	
<b>WOODPECKERS - PICIDAE</b>										
Acorn Woodpecker	<i>Melanerpes formicivorus</i>		R	Unconfirmed						
Red-vented Woodpecker	<i>Melanerpes pygmaeus</i>	(Yucatan	R	Unconfirmed						
Golden-fronted Woodpecker	<i>Melanerpes aurifrons</i>	Carpenter, Che'ko'	R	X	X		X	X		X
Smoky-brown Woodpecker	<i>Veniliornis fumigatus</i>		R	X			X	X	X	X
Golden-olive Woodpecker	<i>Piculus rubiginosus</i>		R	X			X			X
Chestnut-colored Woodpecker	<i>Celeus castaneus</i>		R				X		X	
Lineated Woodpecker	<i>Dryocopus lineatus</i>	Colonte'	R	X			X		X	
Pale-billed Woodpecker	<i>Campephilus guatemalensis</i>	Father Red-cap	R	X			X	X	X	X
<b>OVENBIRDS - FURNARIIDAE</b>										
Rufous-breasted Spinetail	<i>Synallaxis erythrothorax</i>		R	X	X		X			X
Plain Xenops	<i>Xenops minutus</i>		R	X			X			X
<b>WOODCREEPERS - DENDROCOLAPTIDAE</b>										
Tawny-winged Woodcreeper	<i>Dendrocincla anabatina</i>		R	X			X		X	
Ruddy Woodcreeper	<i>Dendrocincla homochroa</i>		R	X			X		X	
Olivaceous Woodcreeper	<i>Sittasomus griseicapillus</i>		R				X		X	
Northern Barred-Woodcreeper	<i>Dendrocolaptes sanctithomae</i>		R						X	
Ivory-billed Woodcreeper	<i>Xiphorynchus flavigaster</i>		R	X			X	X	X	X
<b>TYPICAL ANTbirds - THAMNOPHILIDAE</b>										
Great Antshrike	<i>Taraba major</i>		R				X			X
Barred Antshrike	<i>Thamnophilus doliatus</i>		R	X			X	X		X
Dot-winged Antwren	<i>Microrhopias quixensis</i>		R				X		X	X
Dusky Antbird	<i>Cercomacra tyrannina</i>		R	X		X	X	X	X	X
<b>ANTTHRUSHES AND ANTPITTAS - FORMICARIIDAE</b>										
Black-faced Anttrush	<i>Formicarius analis</i>		R	X			X	X	X	X
<b>TYRANT FLYCATCHERS - TYRANNIDAE</b>										
<b>TYRANNULETS, ELAENIAS AND ALLIES - ELAENIINAE</b>										
Yellow-bellied Tyrannulet	<i>Ornithion semiflavum</i>		R	X			X		X	
Northern Beardless-Tyrannulet	<i>Camptostoma imberbe</i>		R	X						
Greenish Elaenia	<i>Myiopagis viridicata</i>		R	X			X	X	X	
Caribbean Elaenia	<i>Elaenia martinica</i>		R	Unconfirmed						
Yellow-bellied Elaenia	<i>Elaenia flavogaster</i>		R	X	X		X		X	X
Ochre-bellied Flycatcher	<i>Mionectes oleagineus</i>		R		X			X		



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Northern Bentbill	<i>Oncostoma cinereigulare</i>		R	X			X	X	X	X	X
Common Tody-flycatcher	<i>Todirostrum cinereum</i>		R	X	X	X					X
Eye-ringed Flatbill	<i>Rhynchocyclus brevirostris</i>		R				X				
Yellow-olive Flycatcher	<i>Tolmomyias sulphurescens</i>		R	X		X	X	X	X	X	
Stub-tailed Spadebill	<i>Platyrinchus cancrominus</i>		R				X		X	X	
<b>FLUVICOLINE FLYCATCHERS - FLUVICOLIINAE</b>											
Royal Flycatcher	<i>Onychorhynchus coronatus</i>		R	X		X	X			X	
Ruddy-tailed Flycatcher	<i>Terentotriccus erythrurus</i>		R								
Sulphur-rumped Flycatcher	<i>Myiobius sulphureipygius</i>		R				X	X			
Greater Pewee	<i>Contopus pertinax</i>		R	Unconfirmed							
Eastern Wood-Pewee	<i>Contopus virens</i>		WT	Unconfirmed							
Tropical Pewee	<i>Contopus cinereus</i>		R	X						X	X
Least Flycatcher	<i>Empidonax minimus</i>		WT	X							
Black Phoebe	<i>Sayornis nigricans</i>		R	Unconfirmed							
Vermilion Flycatcher	<i>Pyrocephalus rubinus</i>	Robin redbreast	R	X							
<b>TYRANNINE FLYCATCHERS - TYRANNINAE</b>											
Bright-rumped Attila	<i>Attila spadiceus</i>		R	X			X	X	X	X	X
Dusky-capped Flycatcher	<i>Myiarchus tuberculifer</i>		R	X			X	X		X	X
Brown-crested Flycatcher	<i>Myiarchus tyrannulus</i>		R	X			X	X		X	
Great Kiskadee	<i>Pitangus sulphuratus</i>	Kiskadee	R	X	X	X	X	X		X	X
Boat-billed Flycatcher	<i>Megarynchus pitangua</i>	Kiskadee	R	X	X	X	X			X	X
Social Flycatcher	<i>Myiozetetes similis</i>	Katy-yu-baby-di-cry	R	X	X	X	X			X	X
Sulphur-bellied Flycatcher	<i>Myiodynastes luteiventris</i>		D	X			X	X			
Piratic Flycatcher	<i>Legatus leucophaeus</i>		D	X							
Tropical Kingbird	<i>Tyrannus melancholicus</i>		R	X	X		X	X			X
Couch's Kingbird	<i>Tyrannus couchii</i>		T	X	X		X	X		X	X
Eastern Kingbird	<i>Tyrannus tyrannus</i>		T		X		X				
<b>TITYRAS AND BECARDS (INCERTAE SEDIS)</b>											
Thrushlike Schiffornis	<i>Schiffornis turdinus</i>	(Thrushlike)	R	X			X	X		X	X
Gray-collared Becard	<i>Pachyramphus major</i>		R	Unconfirmed							
Rose-throated Becard	<i>Pachyramphus aglaiae</i>		R						X		X
Masked Tityra	<i>Tityra semifasciata</i>	White Woodpecker	R	X			X	X	X	X	
Black-crowned Tityra	<i>Tityra inquisitor</i>		R	X	X						
<b>MANAKINS - PIPRIDAE</b>											
White-collared Manakin	<i>Manacus candei</i>	Cohune popper	R	X			X	X	X		X
Red-capped Manakin	<i>Pipra mentalis</i>		R	X			X	X	X	X	

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<b>VIREOS - VIREONIDAE</b>											
White-eyed Vireo	<i>Vireo griseus</i>		W	X			X			X	X
Mangrove Vireo	<i>Vireo pallens</i>		R	X	X		X			X	X
Yellow-throated Vireo	<i>Vireo flavifrons</i>		W	Unconfirmed							
Red-eyed Vireo	<i>Vireo olivaceus</i>		W	X			X				
Yellow-green Vireo	<i>Vireo flavoviridis</i>		RD	X	X	X	X	X			
Tawny-crowned Greenlet	<i>Hylophilus ochraceiceps</i>		R				X			X	
Lesser Greenlet	<i>Hylophilus decurtatus</i>		R	X	X	X	X	X	X	X	
Green Shrike-Vireo	<i>Vireolanius pulchellus</i>		D				X				
Rufous-browed Peppershrike	<i>Cyclarhis gujanensis</i>		R	X							
<b>JAYS AND CROWS - CORVIDAE</b>											
Green Jay	<i>Cyanocorax yncas</i>	Cling-cling	R				X			X	X
Brown Jay	<i>Cyanocorax morio</i>	Piam-piam	R	X	X	X	X	X	X	X	X
<b>SWALLOWS - HIRUNDINIDAE</b>											
Purple Martin	<i>Progne subis</i>		T			X		X			
Gray-breasted Martin	<i>Progne chalybea</i>		D	X	X	X		X			X
Tree Swallow	<i>Tachycineta bicolor</i>	Christmas bird	T								X
Mangrove Swallow	<i>Tachycineta albilinea</i>		R		X	X					X
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>		WR	X							
Barn Swallow	<i>Hirundo rustica</i>		WT	Unconfirmed							
<b>WRENS - TROGLODYTIDAE</b>											
Spot-breasted Wren	<i>Thryothorus maculipectus</i>	Katy-yu-baby-di-cry	R	X	X		X	X	X	X	X
House Wren	<i>Troglodytes aedon</i>		R	X							
White-bellied Wren	<i>Uropsila leucogastra</i>		R	X			X	X		X	
White-breasted Wood-Wren	<i>Henicorhina leucosticta</i>		R	X			X	X	X	X	X
<b>GNATCATCHERS - SYLVIIDAE</b>											
Long-billed Gnatwren	<i>Ramphocaenus melanurus</i>		R	X	X		X	X	X	X	
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>		WR	X				X		X	
Tropical Gnatcatcher	<i>Polioptila plumbea</i>		R	Unconfirmed							
<b>SOLITAIRES, THRUSHES AND ALLIES - TURDIDAE</b>											
Swainson's Thrush	<i>Catharus ustulatus</i>		WT				X				
Wood Thrush	<i>Hylocichla mustelinus</i>		W	X			X			X	X
Clay-colored Thrush	<i>Turdus grayi</i>	Brown Cusco	R	X	X		X	X		X	X
White-throated Robin	<i>Turdus assimilis</i>		R	X			X				

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<b>MOCKINGBIRDS, THRASHERS AND ALLIES - MIMIDAE</b>										
Gray Catbird	<i>Dumetella carolinensis</i>		W	X	X				X	X
Tropical Mockingbird	<i>Mimus gilvus</i>	Nightingale	R	X						
<b>WOOD WARBLERS - PARULIDAE</b>										
Blue-winged Warbler	<i>Vermivora pinus</i>		WT	Unconfirmed						
Tennessee Warbler	<i>Vermivora peregrina</i>		WT							X
Yellow Warbler	<i>Dendroica petechia</i>		RW		X					X
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>		T	X			X		X	
Magnolia Warbler	<i>Dendroica magnolia</i>		W	X	X		X		X	X
Black-throated Green Warbler	<i>Dendroica virens</i>		W	Unconfirmed						
Yellow-throated Warbler	<i>Dendroica dominica</i>		W	X						X
Grace's Warbler	<i>Dendroica graciae</i>		R	Unconfirmed						
Cerulean Warbler	<i>Dendroica cerulea</i>		T						X	X
Black-and-white Warbler	<i>Mniotilta varia</i>		W						X	X
American Redstart	<i>Setophaga ruticilla</i>		W	X			X		X	X
Prothonotary Warbler	<i>Protonotaria citrea</i>		T			X				
Worm-eating Warbler	<i>Helminthos vermivorus</i>		W						X	
Ovenbird	<i>Seiurus aurocapillus</i>		W						X	X
Northern Waterthrush	<i>Seiurus noveboracensis</i>		W	X	X	X				X
Louisiana Waterthrush	<i>Seiurus motacilla</i>		WT	Unconfirmed						
Kentucky Warbler	<i>Oporornis formosus</i>		WT						X	
Common Yellowthroat	<i>Geothlypis trichas</i>		W	X	X		X		X	X
Hooded Warbler	<i>Wilsonia citrina</i>		W						X	X
Golden-crowned Warbler	<i>Basileuterus culicivorus</i>		R				X			
Yellow-breasted Chat	<i>Icteria virens</i>		W							X
<b>BANANAQUIT - COEREBIDAE</b>										
Bananaquit	<i>Coereba flaveola</i>		R							X
<b>TANAGERS - THRAUPIDAE</b>										
Gray-headed Tanager	<i>Eucometis penicillata</i>		R				X		X	
Red crowned Ant Tanager	<i>Habia rubica</i>		R	X			X			X
Red throated Ant Tanager	<i>Habia fuscicauda</i>		R	X			X	X	X	X
Summer Tanager	<i>Piranga rubra</i>		W	X	X				X	X
Scarlet Tanager	<i>Piranga olivacea</i>		T	Unconfirmed						
Passerini's Tanager	<i>Ramphocelus passerinii</i>	(Scarlet-rumped	R	Unconfirmed, unlikely						
Blue-gray Tanager	<i>Thraupis episcopus</i>	Bluebird	R	X	X	X	X	X	X	X
Yellow-winged Tanager	<i>Thraupis abbas</i>		R	X	X	X	X	X	X	X
Scrub Euphonia	<i>Euphonia affinis</i>		R	X			X		X	
Yellow-throated Euphonia	<i>Euphonia hirundinacea</i>		R	X	X		X	X	X	X
Olive-backed Euphonia	<i>Euphonia gouldi</i>		R	X			X	X	X	

## Spanish Creek Wildlife Sanctuary Bird Checklist

<b>Red-legged Honeycreeper</b>	<i>Cyanerpes cyaneus</i>		R	X			X	X		X	X
<b>EMBERIZINES - EMBERIZIDAE</b>											
<b>Blue-black Grassquit</b>	<i>Volatinia jacarina</i>		R	X			X	X			X
<b>Slate-colored Seedeater</b>	<i>Sporophila schistacea</i>		R				X				
<b>Variable Seedeater</b>	<i>Sporophila americana</i>		R	X	X		X	X			X
<b>White-collared Seedeater</b>	<i>Sporophila torqueola</i>	Ricey, Grassy bird	R	X	X	X	X	X		X	X
<b>Thick-billed Seedfinch</b>	<i>Oryzoborus funereus</i>		R	X	X	X	X	X		X	X
<b>Green-backed Sparrow</b>	<i>Arremonops chloronotus</i>		R	X		X	X	X	X		X
<b>CARDINALS AND ALLIES - CARDINALINAE</b>											
<b>Grayish Saltator</b>	<i>Saltator coerulescens</i>		R	X	X	X	X	X		X	X
<b>Buff-throated Saltator</b>	<i>Saltator maximus</i>		R	Unconfirmed							
<b>Black-headed Saltator</b>	<i>Saltator atriceps</i>		R	X			X	X		X	X
<b>Black-faced Grosbeak</b>	<i>Caryothraustes polioaster</i>		R				X	X			X
<b>Blue-black Grosbeak</b>	<i>Cyanocompsa cyanooides</i>		R		X	X	X			X	X
<b>Blue Bunting</b>	<i>Cyanocompsa parellina</i>	Rice Bird	R	Unconfirmed							
<b>Dickcissel</b>	<i>Spiza americana</i>		T	X	X						
<b>BLACKBIRDS AND ALLIES - ICTERIDAE</b>											
<b>Melodious Blackbird</b>	<i>Dives dives</i>		R	X	X	X	X	X		X	X
<b>Great-tailed Grackle</b>	<i>Quiscalus mexicanus</i>	Blackbird	R	X	X	X					X
<b>Bronzed Cowbird</b>	<i>Molothrus aeneus</i>		R					X			
<b>Black-cowled Oriole</b>	<i>Icterus prothemelas</i>	Banana bird	R	X	X		X	X		X	X
<b>Orchard Oriole</b>	<i>Icterus spurius</i>	Banana bird	W	X							X
<b>Hooded Oriole</b>	<i>Icterus cucullatus</i>	Banana bird	R	Unconfirmed, unlikely							
<b>Yellow-backed Oriole</b>	<i>Icterus chrysater</i>	Banana bird	R	X			X				
<b>Yellow-tailed Oriole</b>	<i>Icterus mesomelas</i>	Banana bird	R	X	X		X	X		X	X
<b>Baltimore Oriole</b>	<i>Icterus galbula</i>	Northern Oriole,	R		X		X			X	X
<b>Yellow-billed Cacique</b>	<i>Amblycercus holosericeus</i>	Bamboo Cracker	R	X	X	X	X	X	X	X	X
<b>Montezuma Oropendola</b>	<i>Psarocolius montezuma</i>	Yellow tail	R	X	X	X	X	X		X	

## Mammal Checklist of Spanish Creek Wildlife Sanctuary, Belize

Order	Family	Species	Common Name	Local Name	Date	Habitat	Easting	Northing	Source
<b>MARSUPIALS - DIDELPHIMORPHIA</b>									
	<b>Opossums - Didelphidae</b>								
		<i>Didelphis sp.</i>	Opossum	Possam, Zorro, Tlacuache	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
		<i>Philander opossum</i>	Gray Four-eyed Opossum	Common Gray Four-eyed Opossum, Four-eyes	15-Jan_04	IIIB1b(f)P	324,118	1,934,373	Seen
<b>XENARTHANS - XENARTHRA</b>									
	<b>Anteaters - Myrmecophagidae</b>								
		<i>Tamandua mexicana</i>	Northern Tamandua	Antsbear, Oso hormiguero		IA2a(1)(b)CE			Reported
	<b>Armadillos - Dasypodidae</b>								
		<i>Dasypus novemcinctus</i>	Nine-banded Armadillo	Nine-banded Long-nosed Armadillo, Armadilly, Dilly, Ouetch		IA2a(1)(b)CE			Reported
<b>BATS - CHIROPTERA</b>									
	<b>Sac-winged Bats - Emballonuridae</b>								
		<i>Rhynchonycteris naso</i>	Proboscis Bat	Brasilian long-nosed Bat	15-Jan_04	IIIB1b(f)P	324,118	1,934,373	Seen
	<b>Leaf-nosed Bats - Phyllostomidae</b>								
		<i>Uroderma bilobatum</i>	Common Tent-making Bat		15-Jan_04	IA2a(1)(b)CE			"Tents" in <i>Sabal</i> palms
<b>MONKEYS - PRIMATES</b>									
	<b>Cebidae</b>								
		<i>Alouatta pigra</i>	Yucatan Black Howler-Monkey	Mexican Black Howler Monkey, Baboon, Saraguato	15-Jan_04	IA2a(1)(b)CE	324,118	1,934,373	Seen
		<i>Ateles geoffroyi</i>	Central-American Spider-Monkey	Monkey, Mono	Aug-03	IA2a(1)(b)CE			Reported August 2003, Linda Appelgate
<b>CARNIVORES - CARNIVORA</b>									
	<b>Dogs - Canidae</b>								
		<i>Urocyon cinereoargenteus</i>	Gray Fox	Gato de Monte		IA2a(1)(b)CE			Reported
	<b>Cats - Felidae</b>								
		<i>Herpailurus yagouaroundi</i>	Jaguaroundi	Halari, Onza, Leoncillo		IA2a(1)(b)CE			Reported
		<i>Leopardus pardalis</i>	Ocelot	Tiger-cat, Tigrillo	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
		<i>Leopardus wiedii</i>	Margay	Tiger-cat, Tigrillo, Tigrillito		IA2a(1)(b)CE			Reported
		<i>Puma concolor</i>	Puma	Red Tiger, Leon	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
		<i>Panthera onca</i>	Jaguar	Tiger, Tigre, Balum	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks

## Mammal Checklist of Spanish Creek Wildlife Sanctuary, Belize

Order	Family	Species	Common Name	Local Name	Date	Habitat	Easting	Northing	Source
	<b>Weasels - Mustelidae</b>								
		<i>Lontra longicaudis</i>	Neotropical River Otter	<i>Lutra longicaudis</i> , Southern River Otter, Water dog, Perro de Agua	15-Aug-03	Freshwater Lagoon Complex			Seen
		<i>Conepatus semistriatus</i>	Striped Hog-nosed Skunk	Polecat, Zorrillo		IA2a(1)(b)CE			Reported
		<i>Eira barbara</i>	Tayra	Bush dog, Perro del monte, Cabeza blanca		IA2a(1)(b)CE			Reported
		<i>Galictis vittata</i>	Grison	Bushdog, Waterdog, Huron		IA2a(1)(b)CE			Reported but rare
		<i>Mustela frenata</i>	Weasel	Long-tailed Weasel		IA2a(1)(b)CE			Uncertain
	<b>Raccoon Family - Procyonidae</b>								
		<i>Potos flavus</i>	Kinkajou	Nightwalker, Mico de noche, Martucha	15-Jan_04	IA2a(1)(b)CE	324,118	1,934,373	Seen
		<i>Nasua narica</i>	Coatimundi	White-nosed Coati, Coati mundi, Quash, Pisote, Tejon		IA2a(1)(b)CE	324,118	1,934,373	Seen
		<i>Procyon lotor</i>	Raccoon	Northern Raccoon, Racoon, Mapache		IA2a(1)(b)CE			Reported
	<b>PERISSODACTYLS - PERISSODACTYLA</b>								
	<b>Tapir - Tapiridae</b>								
		<i>Tapirus bairdii</i>	Baird's Tapir	Central American Tapir, Mountain Cow, Danto, Tzimin	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
	<b>ARTIODACTYLS - ARTIODACTYLA</b>								
	<b>Peccaries - Tayassuidae</b>								
		<i>Pecari tajacu</i>	Collared Peccary	<i>Tayassu tajacu</i> , Peccary, Queqeo	15-Aug-03	IA2a(1)(b)CE	324,118	1,934,373	Seen
		<i>Tayassu pecari</i>	White-lipped Peccary	Wari, Warree, Jawilla	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
	<b>Deer - Cervidae</b>								
		<i>Mazama americana</i>	Red Brocket	Antelope, Cabrito	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
		<i>Odocoileus virginianus</i>	White-tailed Deer	Savanna Deer, Venado.		IA2a(1)(b)CE			Reported on the fringes of the sanctuary
	<b>RODENTS - RODENTIA</b>								
	<b>Porcupines - Erethizontidae</b>								
		<i>Coendou mexicanus</i>	Mexican Porcupine	Mexican hairy Porcupine, Puercoespín		IA2a(1)(b)CE			Reported
	<b>Pacas - Agoutidae</b>								
		<i>Agouti paca</i>	Paca	Gibnut, Tepesquintle	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks
	<b>Agoutis - Dasyproctidae</b>								
		<i>Dasyprocta punctata</i>	Central American Agouti	Rabbit, Indian Rabbit, Guatusa, Liebre	15-Jan_04	IA2a(1)(b)CE	324,288	1,933,345	Tracks