

Invertebrate taxa codes from Las Vegas sites 66, 67 and 80

Habitat codes: b = sandy beach, f = freshwater, h = subtidal, hard or mixed bottom, m = mangrove, r = rocky intertidal, s = subtidal, soft bottom, t = terrestrial, ** variable or undefined

Phylum	Class	Family	Genus	Species	Code	Habitats	Notes
Mollusca	Bivalvia	Arcidae	<i>Anadara</i>	<i>formosa</i>	anafor	s	offshore
			<i>Anadara</i>	<i>grandis</i>	anagra	s	mud flats bordering mangrove swamps but not between mangrove roots
			<i>Anadara</i>	<i>perlabiata</i>	anaper	s	bays
			<i>Anadara</i>	<i>similis</i>	anasim	m	buried in mud between mangrove roots and in esteros within mangrove swamps
			<i>Anadara</i>	<i>tuberculosa</i>	anatub	m	buried in mud between mangrove roots and in esteros within mangrove swamps
			<i>Arca</i>	<i>pacifica</i>	arcpac	h, r	between an beneath rocks; subtidal and lower intertidal
		Cardiidae	<i>Trachycardium</i>	<i>procerum</i>	trapro	s	shallowly buried in bays
			<i>Trachycardium</i>	sp.	trasp	s	shallowly buried in bays
				sp.	carsp	s	unidentified cardiids
		Carditidae	<i>Cardita</i>	<i>affinis</i>	crdaff	r	under rocks and in crevices
			<i>Cardita</i>	sp.	crdsp	r	probably mostly <i>affinis</i>
		Chamidae	<i>Chama</i>	sp.	chasp	h	firmly cemented to rocks
			<i>Pseudochama</i>	sp.	pseps	r	firmly cemented to rocks
				sp.	chmsp	h	unidentified chamids
		Glycymerididae	<i>Glycymeris</i>	<i>strigilata</i>	glystr	s	bays
		Hiatellidae	<i>Hiatella</i>	<i>solida</i>	hiasol	h, r	in rock crevices
		Mactridae	<i>Mactrellona</i>	sp.	macsp	s	bays
				sp.	mctsp	s	unidentified mactrids, probably mostly various <i>Mactra</i> spp., including <i>M. velata</i>
		Mytilidae	<i>Modiolus</i>	sp.	modsp	h	possibly <i>eiseni</i>
			<i>Mytella</i>	sp.	mytsp	s, m	probably all or mostly <i>guyanensis</i> ; mud flats and esteros around mangroves
		Ostreidae	<i>Crassostrea</i>	<i>columbiensis</i>	cracol	m	forming banks in mangrove swamps
			<i>Crassostrea</i>	<i>palmula</i>	crapal	m, r	on mangrove roots and branches and also on rocks and pilings
			<i>Crassostrea</i>	sp.	crasp	**	mostly <i>columbiensis</i> and/or <i>palmula</i> ; often mixed spp.

		Pectinidae	<i>Argopecten</i>	<i>circularis</i>	argcir	s	bays
			<i>Lyropecten</i>	<i>subnodosus</i>	lyrsub	s	bays
			<i>Lyropecten</i>	sp.	lyrsp	s	probably <i>subnodosus</i>
				sp.	pecsp	**	unidentified pectinids
		Pinnidae		sp.	pinsp	s	probably mostly <i>Atrina maura</i> ; bays and sometimes in low, sunken spots within mangrove swamps
		Pteriidae	<i>Pinctada</i>	<i>mazatlanica</i>	pinmaz	h	attached to rocky reefs
			<i>Pteria</i>	<i>sterna</i>	pteste	h	attached to rocks and frequently to gorgonians
		Solecurtidae	<i>Tagelus</i>	<i>peruvianus</i>	tagper	s	bays
			<i>Tagelus</i>	sp.	tagsp	s	probably all or mostly <i>peruvianus</i>
		Spondylidae	<i>Spondylus</i>	sp.	sposp	h	firmly cemented to rocks and reefs
		Tellinidae	<i>Tellina</i>	sp.	telsp	s	deply buried in soft substrates
				sp.	tldsp	s	unidentified tellinids
		Veneridae	<i>Chione</i>	<i>subrugosa</i>	chisub	s, m	silt mixed with gravel, coarse sand or conchilla, often in areas bordering mangrove swamps
			<i>Dosinia</i>	<i>dunkeri</i>	dosdun	s	bays
			<i>Megapitaria</i>	<i>aurantiaca</i>	megaur	s	
			<i>Megapitaria</i>	sp.	megsp	s	
			<i>Periglypta</i>	<i>multicostata</i>	permul	h	buried between rocks
			<i>Pitar</i>	sp.	pitsp	s	bays
			<i>Protothaca</i>	<i>asperrima</i>	proasp	s, m	mud flats bordering mangrove swamps and also between mangrove roots
			<i>Protothaca</i>	<i>ecuadoriana</i>	proecu	s, m	habitat probably similar to <i>asperrima</i>
			<i>Protothaca</i>	sp.	prosp	s, m	<i>ecuadoriana</i> and/or <i>asperrima</i>
				sp.	vensp	**	unidentified venerids
				sp.	unbiv	**	unidentified bivalves
	Gastropoda	Ampullariidae	<i>Pomacea</i>	sp.	pomsp	f	shallow, standing freshwater with vegetation
		Buccinidae	<i>Cantharus</i>	<i>gemmatus</i>	cangem	r	under rocks
			<i>Cantharus</i>	<i>elegans</i>	canele	r	under rocks
			<i>Cantharus</i>	sp.	cansp	r	probably mostly <i>gemmatus</i>
			<i>Triumphis</i>	<i>distorta</i>	tridis	s	
		Bulimulidae	<i>Bulimulus</i>	sp.	bulsp1	t	small; probably an incidental inhabitant of the archaeological sites
					bulsp2	t	not the usual bulimulid species
		Calyptraeidae	<i>Crepidula</i>	<i>aculeata</i>	creacu	h	attached to hard substrate, sometimes to other shells
			<i>Crepidula</i>	<i>marginalis</i>	cremar	s	attached to hard substrate, frequently to <i>Mytella guyanensis</i>
			<i>Crepidula</i>	sp.	cresp	**	attached to hard substrate, sometimes to other shells
			<i>Crucibulum</i>	<i>spinosum</i>	cruspi	h	attached to hard substrate, sometimes to other shells

		Cerithiidae	<i>Cerithium</i>	sp.	crtsp	**	probably mostly adustum; habitat variable depending on species
		Columbellidae	<i>Columbella</i>	sp.	colsp	r	under rocks
		Conidae	<i>Conus</i>	sp.	consp	**	habitat variable depending on species
		Cypraeidae	<i>Cypraea</i>	sp.	cypsp	h, r	under and between rocks
		Fascioliariidae	<i>Pleuroploca</i>	<i>princeps</i>	plepri	h	aka <i>Fasciolaria princeps</i>
				sp.	fassp	h	unidentified fascioliariids
		Ficidae	<i>Ficus</i>	<i>ventricosa</i>	ficven	s	
		Fissurellidae	<i>Fissurella</i>	<i>virescens</i>	fisvir	r	attached to rocks in middle intertidal zone in exposed areas
			<i>Fissurella</i>	sp.	fissp	r	probably mostly <i>virescens</i>
		Lottiidae		sp.	lotsp	r	limpets; attached to rocks in upper intertidal zone
		Lymnaeidae		sp.	lymsp	f	small; probably accidentally collected
		Melongenidae	<i>Melongena</i>	<i>patula</i>	melpat	s	
		Muricidae	<i>Hexaplex</i>	<i>brassica</i>	hexbra	h	
			<i>Muricanthus</i>	<i>radix</i>	murrad	h	
				sp.	mursp	h	unidentified muricids
		Nassariidae	<i>Nassarius</i>	<i>luteostoma</i>	naslut	b	fine sediments on beaches near mangroves
			<i>Nassarius</i>	sp.	nassp	**	habitat variable depending on species
		Naticidae	<i>Natica</i>	sp.	natsp	s	habitat variable depending on species
		Olividae	<i>Olivella</i>	<i>semistriata</i>	olisem	b	exposed sand beaches
			<i>Olivella</i>	<i>volutella</i>	olivol	b	protected sand beaches
			<i>Oliva</i>	<i>undatella</i>	olvund	b	semi-protected sand beaches;
		Orthalicidae	<i>Porphyrobaphe</i>	<i>iostoma</i>	porios	t	dry scrub, on tree trunks and branches
		Ovulidae	<i>Jenneria</i>	<i>pustulata</i>	jenpus	h, r	coral substrates and occasionally in rocky intertidal
		Potamididae	<i>Cerithidea</i>	<i>valida</i>	cerval	m	open, disturbed intertidal areas in mangrove swamps
			<i>Cerithidea</i>	sp.	cersp	m	around mangroves
			<i>Rhinocoryne</i>	<i>humboldti</i>	rhium	b	protected beaches near mangroves
		Rannellidae	<i>Cymatium</i>	sp.	cymsp	h, r	
		Strombidae	<i>Strombus</i>	sp.	strsp	s, h	probably mostly <i>peruvianus</i>
		Tonnidae	<i>Malea</i>	<i>ringens</i>	malrin	h, r	
		Thaididae	<i>Thais</i>	<i>biserialis</i>	thabis	r	on and between rocks
			<i>Thais</i>	<i>kiosquiformis</i>	thakio	m	on mangrove branches and roots
			<i>Thais</i>	<i>melones</i>	thamel	r	under rocks
			<i>Thais</i>	sp.	thasp	**	<i>kiosquiformis</i> or <i>biserialis</i>
				sp.	thdsp	**	unidentified thaidids, probably <i>Thais</i> spp. or <i>Acanthina brevidentata</i>
		Trochidae	<i>Tegula</i>	<i>picta</i>	tegpic	r	under rocks
			<i>Tegula</i>	sp.	tegpsp	r	under rocks
		Turbinidae	<i>Astraea</i>	<i>buschii</i>	astbus	h	

			<i>Astraea</i>	sp.	astsp	h	probably <i>buschii</i>
			<i>Turbo</i>	<i>magnificus</i>	turmag	h	
			<i>Turbo</i>	<i>saxosus</i>	tursax	r	under rocks
			<i>Turbo</i>	sp.	tursp	r	probably mostly <i>saxosus</i>
		Turritellidae	<i>Turritella</i>	sp.	trtsp	s	probably <i>gonostoma</i>
		Vermetidae	<i>Serpulorbis</i>	sp.	sersp	h	probably <i>margaritaceus</i> ; attached to hard substrate, frequently to other shells, especially pteriids
				sp.	ungas	**	unidentified gastropods
	Polyplacopho	Chitonidae	<i>Chiton</i>	<i>stokesii</i>	chtsto	r	on and between rocks in middle intertidal zone
Arthropoda	Malacostraca			sp.	unbra	**	various unidentified brachyuran claws, not all same species
	Maxillopoda	Balanidae	<i>Balanus</i>	sp.	balsp	r, h	on hard substrates including shells
Cnidaria	Anthozoa				cnisp	h	unidentified coral fragment
Echinoderma	Echinoidea	Mellitidae	<i>Encope</i>	sp.	encsp	s	sand dollar; bays
				sp.	echsp	r, h	urchin spine