

Table S1. Feeding strategy, food items, isotopic composition of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values (‰, mean \pm SD) and trophic position (TP) of the composite samples of seston, detritus, primary producers and main consumer species and fish collected at the wetland of Teacapán. N = number of samples. A% = relative abundance. B% = relative biomass. The organisms marked with "*" were used for the construction of the trophic network.

Species (ID)	Common name	N	A%	B%	Feeding Guild	Food item	$\delta^{13}\text{C}$ (\pm SD)	$\delta^{15}\text{N}$ (\pm SD)	TP(\pm SD)
Primary producers									
Seston*	Seston	3			Food web base	Autotrophs	-24.70 \pm 3.10	7.63 \pm 1.75	1.0
Detritus*	Detritus	7			Food web base	Autotrophs	-23.90 \pm 2.4	8.20 \pm 1.36	1.0
Phytoplankton*	Phytoplankton	8			Primary producer	Autotrophs	-20.10 \pm 1.9	8.07 \pm 1.21	1.0
<i>Rhizophora mangle</i> *	Red mangrove	7			Primary producer	Autotrophs	-26.10 \pm 3.2	8.10 \pm 2.0	1.0
<i>Laguncularia racemose</i>	Button mangrove	3			Primary producer	Autotrophs	-26.91 \pm 1.68	9.08 \pm 0.88	1.0
<i>Gracilaria vermiculophylla</i>	Macroalgae	4			Primary producer	Autotrophs	-20.74 \pm 2.31	6.50 \pm 1.76	1.0
<i>Caulerpa sertularoides</i>	Macroalgae	3			Primary producer	Autotrophs	-20.85 \pm 1.93	7.06 \pm 2.01	1.0
<i>Ulva lactuca</i> *	Macroalgae	6			Primary producer	Autotrophs	-20.16 \pm 3.37	6.74 \pm 1.34	1.0
Zooplankton									
Zooplankton *	Copepods	3			Planktivores	Phytoplankton	-21.11 \pm 1.89	8.46 \pm 1.28	1.34 \pm 0.26
Zooplankton	Euphausiids, chaetognatha siphonophores, fish larvae	5			Planktivores	Phytoplankton and Zooplankton	-20.74 \pm 2.31	8.71 \pm 2.94	1.42 \pm 0.76
Macroinvertebrates									
<i>Crassostrea corteziensis</i>	Oyster	13			Filter feeding	Phytoplankton, detritus, zooplankton	-20.85 \pm 1.93	10.98 \pm 2.12	2.11 \pm 0.51
<i>Mytella strigata</i> *	Mussel	17			Filter feeding	Phytoplankton, detritus, zooplankton	-21.22 \pm 2.22	11.06 \pm 1.64	2.12 \pm 0.37
<i>Littoraria pintado</i>	Snail	3			Herbivores	Macroalgae	-23.55 \pm 0.57	9.45 \pm 3.86	1.60 \pm 1.03
<i>Fistulobalanus dentivarians</i>	Barnacles	6			Filter feeding	Phytoplankton, detritus, zooplankton	-21.12 \pm 1.35	9.26 \pm 0.54	1.60 \pm 0.04
<i>Streblospio benedecti</i> *	Polychaetes	4					-20.65 \pm 0.53	10.92 \pm 0.51	2.10 \pm 0.03
<i>Callinectes arcuatus</i> *	Blue crab	4			Omnivores	Macroalgae, crustaceans, detritus, larva fish	-17.48 \pm 0.53	12.85 \pm 0.43	2.60 \pm 0.01
<i>Uca sp.</i> *	Fiddler crab	12			Detritivore, Scavenger	Macroalgae, detritus, dead animals	-15.30 \pm 0.40	12.21 \pm 0.20	2.40 \pm 0.06
<i>Aratus sp.</i>	Mangrove crab	3			Detritivore, Omnivore, Scavenger	Macroalgae, mussels, barnacles, other crabs, young sea turtles, dead fish	-24.30 \pm 0.30	12.31 \pm 0.10	2.52 \pm 0.09
<i>Portunus asper</i>	Crab	3			Omnivores	Polychaetes, infaunal crustaceans, bivalves	-18.32 \pm 0.32	12.30 \pm 1.21	2.50 \pm 0.24
<i>Litopenaeus vannamei</i> *	White legs shrimp	8			Omnivores	Detritus, worms, bivalves and crustaceans	-16.32 \pm 0.89	12.81 \pm 1.44	2.62 \pm 0.31
Fishes									
<i>Abudetdut trochelli</i>	Panama sergeant major	1	0.07	0.01	Ornnivores	Fish 54%, Polychaetes 19% Crustaceans	-17.97	17.53	3.91 \pm 0.02
<i>Achirus mazatlanus</i>	Mazatlan sole	2	0.30	0.02	Carnivores	Polychaetes, crustacean, fish	-20.67 \pm 3.5	11.54 \pm 2.17	2.14 \pm 0.63

Species (ID)	Common name	N	A%	B%	Feeding Guild	Food item	$\delta^{13}\text{C}$ ($\pm\text{SD}$)	$\delta^{15}\text{N}$ ($\pm\text{SD}$)	TP($\pm\text{SD}$)
<i>Albula nemoptera</i>	Macabí	2	0.11	0.13	Carnivores	Copepods 56%, Ostracods, Fish larvae	-17.15 \pm 1.36	15.08 \pm 2.86	3.90 \pm 0.83
<i>Albula vulpes</i>	Macabí	3	2.57	6.13	Carnivores	Copepods, Ostracods, Fish larvae	-18.90 \pm 1.96	18.90 \pm 1.96	2.01 \pm 1.14
<i>Alectis ciliaris</i>	African pompano	1	0.11	0.01	Carnivores	Feed on sedentary or slow moving crustaceans and occasionally feed on small crabs and fishes	-17.45	17.20	3.81 \pm 0.02
<i>Anchoa lucida</i>	Bright anchovy	2	0.07	0.01	Planktivores		-16.06	16.19	3.51 \pm 0.02
<i>Anchoa mundeola</i>	False Panama anchovy	1	0.11	0.01	Planktivores	Decapods 35%, Gastropods 21%, Bivalves 16%, Echinoderms 8% Polychaetes	-19.24	10.92	1.96 \pm 0.02
<i>Anchoa walkeri</i>	Walker's anchovy	7	0.19	0.01	Planktivores	Fish (90%)	-18.01	8.63	1.29 \pm 0.02
<i>Anchovia macrolepidota</i>	Big-scale anchovy	1	0.30	0.08	Planktivores	Infaunal crustaceans 46%, Fish 17%, Zooplankton, Bivalves, Polychaetes	-25.74	12.93	2.55 \pm 0.00
<i>Ariopsis seemanni</i> *	Tete sea catfish	1	0.07	0.55	Carnivores2	Copepods, Ostracods, Crustaceans larvae, Fish larvae, Phytoplankton	-18.56 \pm 3.10	14.72 \pm 4.94	3.18 \pm 1.44
<i>Ariosoma gilberti</i>	Sharpnose conger	1	0.07	0.01	Carnivores2	Fish 90% shrimps, Callinectes, Bivalves	-15.73	21.24	4.98 \pm 0.02
<i>Caranx caninus</i> *	Crevalle jack	16	3.38	1.37	Carnivores3	Jelly fish 67% Polychaetes, Crustaceans, Mollusks	-18.08 \pm 1.86	16.38 \pm 3.07	3.57 \pm 0.89
<i>Caranx vinctus</i>	Striped jack	2	0.07	0.13	Carnivores3	Benthic crustaceans 80%	-16.76 \pm 0.70	19.88 \pm 4.81	4.60 \pm 1.40
<i>Cathorops fuerthii</i> *	Congo sea-catfish	9	1.79	1.38	Carnivores1	Fish 90%, Polychaetes, Shrimps, Crabs, Cephalopods.	-20.48 \pm 1.77	14.97 \pm 2.82	3.27 \pm 0.82
<i>Centropomus armatus</i>	Armed snook	2	0.37	0.15	Carnivores3	Fish 75%, shrimp 12%, Cephalopods.	-19.32 \pm 0.56	14.60 \pm 1.64	3.28 \pm 0.47
<i>Centropomus medius</i>	Blackfin snook	4	0.37	0.07	Carnivores3	Crabs 32%, Fish 18%, shrimps, Mantis, Snails.	-20.71 \pm 2.44	11.1 \pm 1.03	2.01 \pm 0.29
<i>Centropomus nigrescens</i>	Black snook	3	0.04	0.01	Carnivores3	Polychaetes 72%, Bivalves	-18.12	16.05	3.47 \pm 0.02
<i>Centropomus robalito</i> *	Yellow-fin snook	14	2.01	0.46	Carnivores2	Polychaetes 72% Shrimps, Crabs, Snails, Bivalves	-21.02 \pm 1.26	10.12 \pm 0.60	2.73 \pm 0.16
<i>Centropomus viridis</i>	White snook	1	0.63	0.26	Carnivores3	Shrimp 45%, Crabs 45% and Fish	-20.90	12.70	2.49 \pm 0.02
<i>Cetengraulis mysticetus</i> *	Pacific anchoveta	1	6.44	2.35	Planktivores	Shrimp 45%, Crabs 45%, Fish	-19.49	15.00	3.16 \pm 0.02
<i>Chaetodipterus zonatus</i>	Pacific spadefish	2	0.63	0.39	Omnivores	Copepods, Ostracods, Crustaceans larvae, Fish larvae	-15.91 \pm 1.05	20.67 \pm 2.16	4.83 \pm 0.62
<i>Chanos chanos</i> *	Milkfish	10	8.23	17.78	Planktivores	Infaunal crustaceans 78%, Polychaetes, Squids and Fish	-18.80 \pm 1.46	6.45 \pm 1.32	1.65 \pm 0.38
<i>Chloroscombrus orqueta</i>	Pacific bumper	15	0.37	0.12	Planktivores	Polychaetes 65%, Copepods 12%, Infaunal crustacean, Bivalves, Anfidops	-17.71 \pm 1.02	17.26 \pm 1.42	2.83 \pm 0.40
<i>Cyclosetta querna</i>	Toothed flounder	1	0.11	0.00	Carnivores2	Benthic crustaceans and mollusks 74%, Polychaetes 17%	-23.15	15.61	2.87 \pm 0.02
<i>Cynoscion xanthulus</i> *	Orangemouth corvina	3	0.15	0.33	Carnivores3	Polychaetes 39%, benthic crustaceans 17%	-19.75	18.75	4.27 \pm 0.02
<i>Diapterus peruvianus</i> *	Peruvian mojarra	25	15.64	5.76	Omnivores	Benthic crustaceans and mollusks, Polychaetes, Bivalves, Snails,	-21.09 \pm 1.79	10.41 \pm 1.43	1.81 \pm 0.41
<i>Dormitator latifrons</i> *	Pacific fat sleeper	3	4.47	1.10	Omnivores	Fish 100%	-22.14 \pm 0.60	6.68 \pm 0.49	1.71 \pm 0.13
<i>Elops affinis</i>	Pacific ladyfish	7	4.77	5.10	Carnivores2	Cirripedia 25%, Polychaetes 25%, Gastropods 21%, Shrimps, crabs	-19.99 \pm 1.72	10.59 \pm 2.63	1.87 \pm 0.77
<i>Eucinostomus argenteus</i>	Spotfin mojarra	3	0.22	0.01	Omnivores	Fish 43%, Crabs 38%, Shrimps, lobsters	-20.03 \pm 2.01	9.66 \pm 1.05	1.59 \pm 0.29
<i>Eucinostomus currani</i> *	Pacific flagfin mojarra	8	0.82	0.06	Omnivores	Polychaetes 31%, Shrimp 25%, Crabs 16%, bivalves, squids	-19-95 \pm 2.32	12.74 \pm 3.14	2.50 \pm 0.91

Species (ID)	Common name	N	A%	B%	Feeding Guild	Food item	$\delta^{13}\text{C}$ ($\pm\text{SD}$)	$\delta^{15}\text{N}$ ($\pm\text{SD}$)	TP($\pm\text{SD}$)
<i>Eucinostomus entomelas</i>	Dark-spot mojarra	2	0.86	0.25	Omnivores	Mysids, shrimps, stomatopods, snails, Cephalopods.	-19.61 \pm 5.58	11.59 \pm 2.93	2.16 \pm 0.85
<i>Eugerres axillaris</i>	Black axillary mojarra	6	1.04	0.61	Carnivores1	Decapods 52%, Polychaetes 23%, Bivalves, Cephalopods.	-21.11 \pm 2.41	10.13 \pm 2.50	1.73 \pm 0.65
<i>Gerres cinereus*</i>	Yellow fin mojarra	13	1.86	0.96	Omnivores	Benthic shelled mollusks 43%, Crabs 25%, Polychaetes, Shrimp	-21.40 \pm 2.11	13.64 \pm 1.16	2.59 \pm 0.33
<i>Gobiomorus maculatus</i>	Guavina	5	0.45	0.07	Omnivores	Shrimp 68%, Fish 29, Crabs and Squillas.	-20.09 \pm 0.45	10.08 \pm 0.14	1.72 \pm 0.02
<i>Gobionellus microdon</i>	Palmtail goby	2	0.11	0.01	Omnivores	Decapods 64%, Infaunal crustacean 30%, Juveniles and Fish larvae	-18.69	6.29	1.60 \pm 0.02
<i>Haemulopsis nitidus</i>	Shining grunt	1	0.11	0.01	Carnivores2	Decapods 64%, Infaunal crustacean 30% Zooplankton and Fish	-16.71	21.24	4.98 \pm 0.02
<i>Hemicaranx leucurus</i>	Yellowfin jack	1	0.22	0.26	Carnivores1	Shrimp 28%, crabs 14%, fish 11%, bivalves, polychaetes	-16.37	18.16	4.09 \pm 0.02
<i>Lile stolifera</i>	Pacific piquitinga	3	0.19	0.09	Planktivores	Fish , Benthic crustaceans , Stomatopods, Crabs, Shrimps	-21.88 \pm 3.69	10.46 \pm 2.97	1.83 \pm 0.86
<i>Lutjanus argentiventris*</i>	Yellow snapper	12	1.67	2.02	Carnivores3	Fish 64%, Benthic crustaceans 15%, Stomatopods, Crabs, Shrimps	-21.91 \pm 1.67	13.49 \pm 0.97	2.84 \pm 0.27
<i>Lutjanus novemfasciatus</i>	Pacific dog snapper	4	0.26	0.18	Carnivores3	Benthic crustaceans 68%, Fish 10%, Stomatopods	-20.35 \pm 0.52	12.53 \pm 0.55	2.55 \pm 0.15
<i>Mugil cephalus*</i>	Striped mullet	15	0.11	0.05	Omnivores	Benthic mollusks, Shrimps, Crabs, Snails, Polychaetes and detritus	-17.57 \pm 3.14	10.04 \pm 2.78	1.70 \pm 0.81
<i>Mugil curema*</i>	White mullet	21	9.46	9.21	Omnivores	Benthic mollusks, Shrimps, Crabs, Snails, Polychaetes and detritus	-17.79 \pm 2.20	7.48 \pm 1.18	1.95 \pm 0.34
<i>Nematistius pectoralis</i>	Roosterfish	2	9.72	7.92	Carnivores3	Benthic mollusks 86%, Shrimps, crabs, Snails, Polychaetes and Fish.	-16.25 \pm 0.30	16.70 \pm 1.08	3.66 \pm 0.30
<i>Oligoplites altus*</i>	Longjaw leatherjack	12	1.75	6.21	Carnivores2	Benthic shelled mollusks, Polychaetes, Shrimp and Crabs	-19.53 \pm 2.41	15.11 \pm 3.90	3.31 \pm 1.14
<i>Opisthonema libertate *</i>	Pacific thread herring	7	2.42	4.26	Planktivores	Macroalgae, Detritus, Phytoplankton, Zooplankton,	-17.72 \pm 1.08	13.29 \pm 1.32	2.54 \pm 0.37
<i>Oreochromis aureus*</i>	Blue tilapia	7	7.56	5.69	Omnivores	Zooplankton 91%, Phytoplankton	-22.43 \pm 3.30	10.72 \pm 3.27	1.73 \pm 0.73
<i>Pliosteostoma lutipinnis</i>	Yellowfin herring	3	0.60	0.85	Planktivores	Fish, Benthic crustaceans and Mollusks, Polychaetes	-22.79	10.51	1.87 \pm 0.02
<i>Pomadasys macracanthus*</i>	Longspine grunt	1	0.22	0.02	Carnivores1	Clams 45%, Fish 26%, Snails.	-23.26 \pm 1.02	14.80 \pm 1.75	3.22 \pm 0.50
<i>Rhinoptera steindachneri</i>	Pacific cownose ray	6	3.20	6.52	Carnivores2	Shrimps 34%, Crabs 26%, Polychaetes (13%) Small fish, Snails.	-22.72	12.99	2.57 \pm 0.02
<i>Selene brevoortii</i>	Pacific lookdown	5	1.72	7.57	Carnivores2	Decapods 35%, Bivalve 22%, Polychaetes 18%, Snails	-18.60 \pm 1.85	15.12 \pm 3.23	3.20 \pm 0.94
<i>Selene peruviana</i>	Pacific moonfish	4	0.34	0.16	Carnivores2	Fish 45%, Crabs 28%, Bivalves	-16.18	18.30	4.13 \pm 0.02
<i>Trachinotus paitensis</i>	Paloma pompano	1	0.11	0.09	Carnivores2	Ctenophore, Zooplankton Polychaetes, Shrimps, Squids	-19.04 \pm 2.07	14.40 \pm 2.07	2.99 \pm 0.02
<i>Trachinotus kennedyi</i>	Black blotch pompano	2	0.19	0.32	Carnivores2	Ctenophore, Zooplankton, Anchoas, crabs, shrimps, Polychaetes.	-24.57	13.66	2.77 \pm 0.02

