

sample_type	sample_subtype	classcode	genus	species	common
FISH	FISH	AAFF	Atherinops	affinis	Topsmelt
FISH	FISH	ACAL	Atherinopsis	californiensis	Jacksmelt
FISH	FISH	ACOR	Artedius	corallinus	Coralline Sculpin
FISH	FISH	ADAV	Anisotremus	davidsonii	Sargo
FISH	FISH	AFLA	Aulorhynchus	flavidus	Tubesnout
FISH	FISH	AHOL	Alloclinus	holderi	Island Kelpfish
FISH	FISH	AOCE	Anarrhichthys	ocellatus	Wolf Eel
FISH	FISH	APFL	Apodichthys	flavidus	Penpiont Gunnel
FISH	FISH	ASAN	Apodichthys	sanctaerosae	Kelp Gunnel
FISH	FISH	ATHE	Atherinopsidae	spp.	Grunion, Topsmelt or Jacksmelt
FISH	FISH	AVUL	Alopias	vulpinus	Thresher Shark
FISH	FISH	BAITBALL			Bait, Sardines/Anchovies
FISH	FISH	BATH	Bathymasteridae	spp.	Ronquils
FISH	FISH	BFRE	Brachyistius	frenatus	Kelp Surfperch
FISH	FISH	BLFN	Blenniidae	spp.	Blennies
FISH	FISH	BOTH	Bothidae	spp.	Lefteyed flounders
FISH	FISH	BPOL	Balistes	polylepis	Finescale Triggerfish
FISH	FISH	BRAY	Myliobatis	californica	Bat Ray
FISH	FISH	CAGG	Cymatogaster	aggregata	Shiner Surfperch
FISH	FISH	CANA	Clinocottus	nalis	Wooly Sculpin
FISH	FISH	CFAL	Chaetodon	falcifer	Scythemarked Butterflyfish
FISH	FISH	CITH	Citharichthys	spp.	Sanddabs
FISH	FISH	CLIN	Clinidae	spp.	Kelpfishes and Fringeheads
FISH	FISH	CLUP	Clupeidae	spp.	Sardines and anchovies
FISH	FISH	CNUG	Chirolophis	nugator	Mosshead warbonnet
FISH	FISH	COTT	Cottidae	spp.	Sculpins

FISH	FISH	CPRI	Caulolatilus	princeps	Ocean Whitefish
FISH	FISH	CPUG	Chitonotus	pugetensis	Roughback Sculpin
FISH	FISH	CPUN	Chromis	punctipinnis	Blacksmith
FISH	FISH	CSAT	Cheilotrema	saturnum	Black Croaker
FISH	FISH	CSOR	Citharichthys	sordidus	Pacific Sanddab
FISH	FISH	CSTI	Citharichthys	stigmaeus	Speckled Sanddab
FISH	FISH	CVEN	Cephaloscyllium	ventriosum	Swell Shark
FISH	FISH	CVIO	Cebidichthys	violaceus	Monkeyface Eel
FISH	FISH	EBIS	Enophrys	bison	Buffalo sculpin
FISH	FISH	EJAC	Embiotoca	jacksoni	Black Surfperch
FISH	FISH	ELAT	Embiotoca	lateralis	Striped Surfperch
FISH	FISH	EMBI	Embiotocidae	spp.	Surfperches
FISH	FISH	EMOR	Engraulis	mordax	Northern Anchovy
FISH	FISH	EWAL	Ernogrammus	walkeri	Masked prickleback
					Sebastes chrysomelas or S. carnatus Rockfish young of year
FISH	FISH	GBY			
FISH	FISH	GGAL	Galeorhinus	galeus	Tope Shark
FISH	FISH	GIBB	Gibbonsia	spp.	Kelpfish
FISH	FISH	GMAE	Gobiesox	maeandricus	Northern Clingfish
FISH	FISH	GMOR	Gymnothorax	mordax	California Moray
FISH	FISH	GNIG	Girella	nigricans	Opaleye
FISH	FISH	GOBI	Gobiidae	spp.	Gobies
FISH	FISH	HANA	Hyperprosopon	nalis	Spotfin Surfperch
FISH	FISH	HARG	Hyperprosopon	argenteum	Walleye Surfperch
FISH	FISH	HCAR	Hypsurus	caryi	Rainbow Surfperch
FISH	FISH	HDEC	Hexagrammos	decagrammus	Kelp Greenling
FISH	FISH	HELL	Hyperprosopon	ellipticum	Silver Surfperch

FISH	FISH	HEXA	Hexagrammos	spp.	unidentified Hexagrammos
FISH	FISH	HFRA	Heterodontus	francisci	Horn Shark
FISH	FISH	HHEM	Hemilepidotus	hemilepidotus	Red Irish Lord
FISH	FISH	HLAG	Hexagrammos	lagocephalus	Rock Greenling
FISH	FISH	HROS	Heterostichus	rostratus	Giant Kelpfish
FISH	FISH	HRUB	Hypsypops	rubicundus	Garibaldi
FISH	FISH	HSEM	Halicoeres	semicinctus	Rock Wrasse
FISH	FISH	HSTE	Hexagrammos	stelleri	Whitespotted greenling
FISH	FISH	JZON	Jordania	zonope	Longfin Sculpin
				atrovirens, carnatus, chrysomelas, caurinus	
FISH	FISH	KGB	Sebastes	caurinus	rockfish YOY (Pteropodus)
FISH	FISH	KSEI	Kasatkia	seigeli	Six-spot Prickleback
FISH	FISH	LCON	Lethops	connectens	Kelp Goby, Halfblind Goby
FISH	FISH	LDAL	Lythrypnus	dalli	Bluebanded Goby
FISH	FISH	LHIR	Leiocottus	hirundo	Lavender Sculpin
FISH	FISH	LIPA	Liparis	spp.	Snailfish
FISH	FISH	LLEP	Lepidogobius	lepidus	bay goby
FISH	FISH	LMUC	Liparis	mucosus	Slimy Snailfish
FISH	FISH	MCAL	Medialuna	californiensis	Halfmoon
FISH	FISH	MCEP	Mugil	cephalus	Mullet
FISH	FISH	MMOL	Mola	Mola	Ocean Sunfish
FISH	FISH	NO_ORG			No organisms present in this sample
FISH	FISH	NSTE	Neoclinus	stephensae	Yellowfin Fringehead
FISH	FISH	NUNI	Neoclinus	uninotatus	Onespot Fringehead

FISH	FISH	OCAL	Oxyjulis	californica	Senorita
FISH	FISH	OELO	Ophiodon	elongatus	Lingcod
FISH	FISH	OPIC	Oxylebius	pictus	Painted Greenling
FISH	FISH	OTRI	Orthonopias	triacis	snubnose sculpin
FISH	FISH	OYB	Sebastes	serranoides, flavidus, melanops	rockfish YOY (Sebastosomus)
FISH	FISH	OYT	Sebastes	serranoides, flavidus	olive or yellowtail rockfish
FISH	FISH	PATR	Phanerodon	atripes	sharpnose surfperch
FISH	FISH	PCAL	Paralichthys	californicus	california halibut
FISH	FISH	PCLA	Paralabrax	clathratus	kelp bass, calico bass
FISH	FISH	PCOE	Plueronichthys	coenosus	C-O turbot
FISH	FISH	PFUR	Phanerodon	furcatus	white surfperch
FISH	FISH	PGLA	Prionace	glauca	blue shark
FISH	FISH	PHOL	Pholididae	spp.	Gunnels
FISH	FISH	PLEU	Pleuronectidae	spp.	Righteyed flounders
FISH	FISH	PMAC	Paralabrax	maculatofasciatus	spotted sandbass
FISH	FISH	PNEB	Paralabrax	nebulifer	barred sandbass
FISH	FISH	PTRI	Platyrrhinoides	triseriata	thornback
FISH	FISH	RALL	Rathbunella	alleni	stripefin ronquil
FISH	FISH	RBIN	Raja	binoculata	big skate
FISH	FISH	RHYP	Rathbunella	hypoplecta	smooth ronquil
FISH	FISH	RJOR	Ronquilus	jordani	northern ronquil
FISH	FISH	RNIC	Rhinogobiops	nicholsii	Blackeye Goby
FISH	FISH	RRIC	Rhamphocottus	richardsoni	Grunt sculpin
FISH	FISH	RSTE	Raja	stellulata	Starry Skate
FISH	FISH	RTOX	Rhacochilus	toxotes	rubberlip surfperch

FISH	FISH	RVAC	Rhacochilus	vacca	Pile Surfperch
FISH	FISH	RYOY	Sebastes	spp.	Rockfish young of the year, unidentified sp.
FISH	FISH	SACA	Squalus	acanthias	Spiny dogfish
FISH	FISH	SARG	Sphyræna	argentea	california barracuda
FISH	FISH	SATR	Sebastes	atrovirens	kelp rockfish
FISH	FISH	SAUR	Sebastes	auriculatus	brown rockfish
FISH	FISH	SCAL	Squatina	californica	pacific angel shark
FISH	FISH	SCAR	Sebastes	carnatus	gopher rockfish
FISH	FISH	SCAU	Sebastes	caurinus	copper rockfish
FISH	FISH	SCHI	Sarda	chiliensis	eastern pacific bonito
FISH	FISH	SCHR	Sebastes	chrysomelas	black and yellow rockfish
FISH	FISH	SDAL	Sebastes	dalli	calico rockfish
FISH	FISH	SDIP	Sebastes	diploproa	spitnose rockfish
FISH	FISH	SEBSPP			Rockfish, unidentified sp.
FISH	FISH	SENT	Sebastes	entomelas	widow rockfish
FISH	FISH	SGIG	Stereolepis	gigas	giant sea bass
FISH	FISH	SGUT	Scorpaena	guttata	california scorpionfish, sculpin
FISH	FISH	SHOP	Sebastes	hopkinsi	squarespot rockfish
FISH	FISH	SJAP	Scomber	japonicus	pacific mackerel, greenback mackerel
FISH	FISH	SLAL	Seriola	lalandi	yellowtail
FISH	FISH	SMAL	Sebastes	maliger	Quillback rockfish
FISH	FISH	SMAR	Scorpaenichthys	marmoratus	cabezon
FISH	FISH	SMEL	Sebastes	melanops	black rockfish
FISH	FISH	SMIN	Sebastes	miniatus	vermilion rockfish
FISH	FISH	SMYS	Sebastes	mystinus	blue rockfish

FISH	FISH	SNEB	Sebastes	nebulosus	china rockfish
FISH	FISH	SPAU	Sebastes	paucispinis	bocaccio
FISH	FISH	SPIN	Sebastes	pinniger	canary rockfish
FISH	FISH	SPUL	Semicossyphus	pulcher	california sheephead
FISH	FISH	SRAS	Sebastes	rastrelliger	grass rockfish
FISH	FISH	SROS	Sebastes	rosaceus	rosy rockfish
FISH	FISH	SRUB	Sebastes	rubrivinctus	flag rockfish
FISH	FISH	SSAG	Sardinops	sagax	pacific sardine
FISH	FISH	SSAX	Sebastes	saxicola	stripetail rockfish
FISH	FISH	STICH	Stichaeidae	spp.	Pricklebacks
FISH	FISH	STRE	Sebastes	serriceps	treefish
FISH	FISH	SYNG	Syngnathus	spp.	pipefish
FISH	FISH	SYRI	Synchirus / Rimicola	spp.	Manacled sculpin/Kelp clingfish
FISH	FISH	TCAL	Torpedo	californica	pacific electric ray
FISH	FISH	TSEM	Triakis	semifasciata	leopard shark
FISH	FISH	TSYM	Trachurus	symmetricus	jack mackerel
FISH	FISH	UNID			Unidentified Fish
FISH	FISH	ZROS	Zalemnius	rosaceus	pink surfperch
SWATH	ALGAE	AGAFIM	Agarum	fimbriatum	Agarum
SWATH	ALGAE	ALAMAR	Alaria	marginata	Alaria
SWATH	ALGAE	COSCOS	Costaria	costatum	Costaria
SWATH	ALGAE	CYSOSMAD	Cystoseira	osmundacea	Cystoseira
SWATH	ALGAE	DICCAL	Dictyoneurum	californicum	Dictyoneurum
SWATH	ALGAE	EISARBAD	Eisenia	arborea	Eisenia
SWATH	ALGAE	LAMFAR	Laminaria	farlowii	Laminaria
SWATH	ALGAE	LAMSAC	Laminaria	saccharina	Laminaria
SWATH	ALGAE	LAMSET	Laminaria	setchellii	Laminaria

SWATH	ALGAE	LAMSPP	Laminaria	spp.	Laminaria
SWATH	ALGAE	MACPYRAD	Macrocystis	pyrifera	Macrocystis
SWATH	ALGAE	NERLUE	Nereocystis	luetkeana	Nereocystis
SWATH	ALGAE	PLEGAR	Pleurophycus	gardneri	Pleurophycus
SWATH	ALGAE	PTECALAD	Pterygophora	californica	Pterygophora
SWATH	ALGAE	UNDPIN	Undaria	pinnatifida	Undaria
SWATH	INVERT	ANTSOL	Anthopleura	sola	green anemone
SWATH	INVERT	ANTSPP	Anthopleura	spp.	unidentified anemone
SWATH	INVERT	ANTXAN	Anthopleura	xanthogrammica	giant green anemone
SWATH	INVERT	APLCAL	Aplysia	californica	california brown sea-hare
SWATH	INVERT	ASTSPP			unknown seastar
SWATH	INVERT	BALNUB	Balanus	nubilis	barnacle
SWATH	INVERT	CANSPP	Cancer	spp.	cancer crab
SWATH	INVERT	CENCOR	Centrostephanus	coronatus	coronado urchin, crowned urchin
SWATH	INVERT	CERFOL	Ceratostoma	foliatum	Leafy hornmouth
SWATH	INVERT	CRAARB	Craniella	arb	grey tennis ball sponge
SWATH	INVERT	CRAGIG	Crassedoma	giganteum	rock scallop
SWATH	INVERT	CRYDEC			cryptic decorator crab unid. Spp.
SWATH	INVERT	CRYSIT	Cryptolithoides	sitchensis	umbrella crab
SWATH	INVERT	CRYTE	Cryptochiton	stelleri	gumboot chiton
SWATH	INVERT	CUCMIN	Cucumaria	miniata	orange sea cucumber
SWATH	INVERT	CYPSPA	Cypraea	spadicea	chestnut cowrie
SWATH	INVERT	DELETE	Anthopleura	artemisia	moonglow anemone
SWATH	INVERT	DELETE	Anthopleura	elegantissima	aggregating anemone
SWATH	INVERT	DELETE	Diodora	aspera	keyhole limpet
SWATH	INVERT	DERIMB	Dermasterias	imbricata	leather star

SWATH	INVERT	DIOASP	Diodora	aspera	rough keyhole limpet
SWATH	INVERT	EIPRO	Epiactis	prolifera	Brooding Anemone
SWATH	INVERT	EVATRO	Evasterias	troschelli	Mottled star
SWATH	INVERT	GORGAD			Gorgonian adult
SWATH	INVERT	HALCOR	Haliotis	corrugata	pink abalone
SWATH	INVERT	HALCRA	Haliotis	cracherodii	black abalone
SWATH	INVERT	HALFUL	Haliotis	fulgens	green abalone
SWATH	INVERT	HALKAM	Haliotis	kamtschatkana	pinto abalone
SWATH	INVERT	HALRUF	Haliotis	rufescens	red abalone
SWATH	INVERT	HALSPP	Haliotis	spp.	abalone spp.
SWATH	INVERT	HALWAL	Haliotis	wallalensis	flat abalone
SWATH	INVERT	HENLEV	Henricia	leviuscula	blood star
SWATH	INVERT	KELKEL	Kelletia	kelletii	Kellet's Whelk
SWATH	INVERT	LOPCHI	Lophogorgia	chilensis	red gorgonian
SWATH	INVERT	LOPMAN	Lopholithodes	mandtii	Puget Sound king crab
SWATH	INVERT	LOXGRA	Loxorhynchus	grandis	sheep crab
SWATH	INVERT	LOXSCY	Loxorhynchus/Scyra	spp.	decorator crab, moss crab
SWATH	INVERT	LYTANAAD	Lytechinus	anamesus	white urchin (adult > 2.5 cm)
SWATH	INVERT	MEDAEQ	Mediaster	aequalis	red star
SWATH	INVERT	MEGCRE	Megathura	crenulata	giant key-hole limpet
SWATH	INVERT	MEGGIB	Megastrea	gibberosum	red turban snail
SWATH	INVERT	MEGUND	Megastrea	undosum	wavy turban snail
SWATH	INVERT	METSPP	Metridium	spp.	white plumed anemones
SWATH	INVERT	MIMFOL	Mimulus	foliatus	mimicking crab
SWATH	INVERT	MURCAL	Muricea	californiica	california golden gorgonian
SWATH	INVERT	MURFRU	Muricea	fruticosa	brown gorgonian
SWATH	INVERT	NUCLAM	Nucella	Lamellosa	frilled dogwinkle

SWATH	INVERT	ORTKOE	Orthasterias	koehlerii	rainbow star
SWATH	INVERT	PACFIM	Pachycerianthus	fimbratus	burrowing anemone
SWATH	INVERT	PANINT	Panulirus	interruptus	spiny lobster
SWATH	INVERT	PARCAL	Parastichopus	californicus	california sea cucumber
SWATH	INVERT	PARPAR	Parastichopus	parvimensis	warty sea-cucumber
SWATH	INVERT	PARSPP	Parastichopus	spp.	sea cucumber
SWATH	INVERT	PATMIN	Patiria	miniata	bat star
SWATH	INVERT	PISBRE	Pisaster	brevispinus	short spined star
SWATH	INVERT	PISGIG	Pisaster	giganteus	giant spined star
SWATH	INVERT	PISOCH	Pisaster	ochraceus	ochre star
SWATH	INVERT	PORINF	Poraniopsis	inflata	Spiny sea star
SWATH	INVERT	PTETES	Pteraster	tesselatus	cushion star
SWATH	INVERT	PUGPRO	Pugettia	producta	kelp crab
SWATH	INVERT	PUGRIC	Pugettia	richii	kelp crab
SWATH	INVERT	PUGSPP	Pugettia	spp.	kelp crab
SWATH	INVERT	PYCHEL	Pycnopodia	helianthoides	sunflower star
SWATH	INVERT	SCYOPE	Scyra / Oregonia	acutifrons / gracilis	decorator crab, moss crab
SWATH	INVERT	SOLDAW	Solaster	dawsoni	Dawson's sun star
SWATH	INVERT	SOLSPP	Solaster	spp.	unidentified sun star
SWATH	INVERT	SOLSTI	Solaster	stimpsoni	Stimpson's sun star
SWATH	INVERT	STRFRAAD	Strongylocentrotus	franciscanus	red urchin
SWATH	INVERT	STRPURAD	Strongylocentrotus	purpuratus	purple urchin
SWATH	INVERT	STYCAL	Stylaster	californicus	california hydrocoral
SWATH	INVERT	STYMON	Styela	montereyensis	stalked tunicate
SWATH	INVERT	TEALOF	Tealia	lofotensis	strawberry anemone
SWATH	INVERT	TETAUR	Tethya	aurantia	orange puff-ball sponge

SWATH	INVERT	UNIDSP			Unidentified mobile invert species
SWATH	INVERT	URTCOR	Urticina	coriacea	stubby rose anemone
SWATH	INVERT	URTCRA	Urticina	crassicornis	mottled anemone
SWATH	INVERT	URTPIS	Urticina	piscivora	fish-eating anemone
SWATH	INVERT	URTSP	Urticina	spp.	Urticina spp.
UPC	COVER	AGLSTR	Aglaophenia	struthenoides	ostrich-plume hydroid
UPC	COVER	ANEM			Anemone
UPC	COVER	BARNAC			Barnacle
UPC	COVER	BARROC			Bare Rock
UPC	COVER	BARSAN			Bare Sand
UPC	COVER	BRANCH			Red algae (branching flat blade)
UPC	COVER	BROWN			Brown algae
UPC	COVER	BRYO			Bryozoan
UPC	COVER	BUSHY			Red algae (cylindrical branches)
UPC	COVER	CLAM			Clam
UPC	COVER	CLAVSPP	Clavularia	spp.	Octocoral
UPC	COVER	COMTUN			Tunicate - Colonial,compund,social
UPC	COVER	CORCAL	Corynactis	californica	strawberry anemone
UPC	COVER	CRUCOR			Coralline algae -Crustose
UPC	COVER	CUCSPP	Cucumaria	spp.	sea cucumber
UPC	COVER	CUPCOR			Cup Coral
UPC	COVER	CYSOSM	Cystoseira	osmundacea	Cystoseira
UPC	COVER	DEADHOLD			Macrosystis holdfast (dead)
UPC	COVER	DESSPP	Desmarestia	spp.	acidic seaweed
UPC	COVER	DIACAL	Diaporecia	californica	southern staghorn bryozoan

UPC	COVER	DICCAL	Dictyoneurum	californicum	Dictyoneurum
UPC	COVER	DICTYOTALES	Dictyotales	spp.	Dictyotales
UPC	COVER	DIOCHA	Diopatra/Chaetopterus	spp.	ornate tube worm
UPC	COVER	DODFEW	Dodecaceria	fewkesi	Dodecaceria
UPC	COVER	EGRMEN	Egregia	menziesii	Egregia
UPC	COVER	ENCRED			Red algae -Encrusting Coralline algae - Erect/Articulated
UPC	COVER	ERECOR			Erect/Articulated
UPC	COVER	ERECTRED			Red fleshy algae
UPC	COVER	GORGAD			Gorgonian adult
UPC	COVER	GREEN			Green algae
UPC	COVER	HYDROID			Hydroid
UPC	COVER	JUVLAM			Laminariales recruit
UPC	COVER	LACY			Red algae (lacy branching)
UPC	COVER	LAMHOLD			Laminariales holdfast (alive)
UPC	COVER	LEAFY			Red algae (leaf-like)
UPC	COVER	MACPYR_HF			Macrosystis holdfast (alive)
UPC	COVER	MUD			Sediment/Mud
UPC	COVER	MUSSEL			Mussel
UPC	COVER	PACRUB	Pachythone	rubra	red sea cucumber
UPC	COVER	PETMON	Petalconchus	montereyensis	worm snail
UPC	COVER	PHRCAL	Phragmatopoma	californica	colonial sand tube worm
UPC	COVER	PHYSPP	Phyllospadix	spp.	surfgrass
UPC	COVER	SALTRI	Salmacina	tribranchiata	fragile tube worms
UPC	COVER	SARFIL	Sargassum	filicinum	Sargassum
UPC	COVER	SARMUT	Sargassum	muticum	Sargassum
UPC	COVER	SARSPP	Sargassum	spp.	Sargassum

UPC	COVER	SCALLOP			Scallop
UPC	COVER	SCUM			Diatom Layer
UPC	COVER	SERPET	Serpulorbis/Petaloconchus	spp.	tube snail, scaled worm shell
UPC	COVER	SERSQU	Serpulorbis	squamigerus	tube snail, scaled worm shell
UPC	COVER	SHELL			Shell Debris
UPC	COVER	SOLTUN			Tunicate -Solitary
UPC	COVER	SPONGE			Sponge
UPC	COVER	STYCAL	Stylaster	californicus	california hydrocoral
UPC	COVER	TUBEMAT			Tubeworm mat.
UPC	COVER	TUBEWORM			Tubeworm
UPC	COVER	TURF			Red filamentous turf
UPC	INVERT	HETPAC	Heteropora	pacifica	Northern Staghorn Bryozoan
UPC	SUBSTRATE	BEDRK			Substrate: Bedrock
UPC	SUBSTRATE	BOULD			Substrate: Boulder
UPC	SUBSTRATE	COB			Substrate: Cobble
UPC	SUBSTRATE	SAND			Substrate: Sand
UPC	SUPERLAYER	UNDBRIT			Brittlestars (layer above primary placeholder)
UPC	SUPERLAYER	UNDDET			Detritus (layer above primary placeholder)
UPC	SUPERLAYER	UNDLAM			Laminaria farlowii sub-canopy (layer above primary placeholder)
UPC	SUPERLAYER	UNDPAC			Pachythyone rubra (layer above primary placeholder)