Recommended species for the development of dissolved oxygen criteria for Mount Hope Bay and the Taunton Ri

Recommended Species		Life Stages in Study Area	Habitat		
Common Name	Scientific Name		Riverine	Shallow	Benthic
Alewife+	*Alosa pseudoharengus*	Egg	x		
		Larvae	x		
		Juvenile	x	x	
		Adult	x		
American Eel*	*Anguilla rostrata*	Larvae			
		Juvenile (elver)	x	x	x
		Adult (yellow eel)	x	x	x
American Lobster*	*Homarus americanus*	Egg			x
		Larvae			
		Juvenile		x	x
		Adult			x
American Shad*	*Alosa sapidissima*	Egg	x		
		Larvae	x		
		Juvenile	x		
		Adult	x		
Atlantic Cod*	*Gadus morhua*	Egg			
		Larvae			
		Juvenile			x
		Adult			x
Atlantic Herring	*Clupea harengus*	Larvae			
		Juvenile			
		Adult			
Atlantic Menhaden+*	*Brevoortia tyrannus*	Egg			
		Larvae	x	x	
		Juvenile	x	x	
		Adult		x	
Atlantic Needlefish	*Strongylura marina*	Juvenile			
		Adult			
Atlantic Nut Shell	*Nucula spp.*	Egg			
		Larvae			
		Juvenile			x
		Adult			x
Atlantic Silverside+	*Menidia menidia*	Egg		x	
		Larvae		x	
		Juvenile		x	
		Adult		x	
Atlantic Sturgeon	*Acipenser oxyrinchus oxyrinchus*	Juvenile	x		x
		Adult	x		x
Atlantic Surfclam*	*Spisula solidissima*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x

Atlantic Tomcod	*Microgadus tomcod*	Egg	x		
		Larvae	x	x	
		Juvenile	x	x	x
		Adult	x	x	x
Banded Killifish	*Fundulus diaphanus*	Egg	x		
		Larvae	x		
		Juvenile	x		
		Adult	x		
Bay Anchovy+	*Anchoa mitchilli*	Egg	x		
		Larvae	x		
		Juvenile	x	x	
		Adult	x	x	
Black Sea Bass*	*Centropristis striata*	Larvae			
		Juvenile		x	x
		Adult		x	x
Blue Crab*	*Callinectes sapidus*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Blue Mussel*	*Mytilus edulis*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Blueback Herring+	*Alosa aestivalis*	Egg	x		
		Larvae	x		
		Juvenile	x	x	
		Adult	x		
Bluefish*	*Pomatomus saltatrix*	Larvae			
		Juvenile	x	x	
		Adult	x	x	
Bluegill*	*Lepomis macrochirus*	Egg	x		
		Larvae	x		
		Juvenile	x		
		Adult	x		
Brook Trout (sea-run)*	*Salvelinus fontinalis*	Fingerling	x		
		Adult	x		
Butterfish+	*Peprilus triacanthus*	Egg			
		Larvae			
		Juvenile		x	
		Adult		x	
Cancer Crabs*+	*Cancer irroratus & C. borealis*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Channeled Whelk*	*Busycotypus canaliculatus*	Egg			
		Larvae			
		Juvenile		x	x

		Adult		x	x
Cunner	*Tautogolabrus adspersus*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Eastern Oyster*+	*Crassostrea virginica*	Egg			
		Larvae			
		Juvenile	x	x	x
		Adult	x	x	x
Four-eye Amphipod	*Ampelisca abdita*	Egg		x	x
		Juvenile		x	x
		Adult		x	x
Fourspine Stickleback	*Apeltes quadracus*	Egg	x	x	x
		Larvae	x	x	x
		Juvenile	x	x	x
		Adult	x	x	x
Green Crab	*Carcinus maenas*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Grubby	*Myoxocephalus aeneus*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Hickory Shad	*Alosa mediocris*	Egg	x		
		Larvae	x		
		Juvenile	x		
		Adult	x		
Hogchoker	*Trinectes maculatus*	Egg	x		
		Larvae	x		
		Juvenile	x	x	x
		Adult	x	x	x
Horseshoe Crab*+	*Limulus polyphemus*	Egg		x	
		Larvae		x	
		Juvenile		x	x
		Adult		x	x
Inshore Lizardfish	*Synodus foetens*	Juvenile		x	x
		Adult		x	x
Japanese Shore Crab	*Hemigrapsus sanguineus*	Egg		x	
		Larvae			
		Juvenile		x	
		Adult		x	
Knobbed Whelk*	*Busycon carica*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Largemouth Bass*	*Micropterus salmoides*	Egg	x		

		Larvae	x		
		Juvenile	x		
		Adult	x		
Little Skate	*Leucoraja erinacea*	Egg			
		Juvenile		x	x
		Adult		x	x
Longfin Squid*+	*Loligo pealei*	Egg		x	x
		Larvae			
		Juvenile (pre-recruits)			
		Adult (recruits)			
Mantis Shrimp	*Squilla empusa*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Mummichog+	*Fundulus heteroclitus*	Egg		x	
		Larvae		x	
		Juvenile	x	x	
		Adult	x	x	
Mysid Shrimp+	Mysidae	Egg		x	x
		Larvae		x	x
		Juvenile		x	x
		Adult		x	x
Naked Goby	*Gobiosoma bosc*	Egg	x	x	x
		Larvae	x		x
		Juvenile	x	x	
		Adult	x	x	x
Ninespine Stickleback	*Pungitius pungitius*	Egg	x	x	
		Larvae	x	x	
		Juvenile	x	x	
		Adult	x	x	
Northern Kingfish	*Menticirrhus saxatilis*	Egg			
		Larvae			
		Juvenile	x	x	x
		Adult	x	x	x
Northern Pipefish	*Syngnathus fuscus*	Larvae			
		Juvenile	x	x	x
		Adult		x	x
Northern Puffer	*Sphoeroides maculatus*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Northern Searobin	*Prionotus carolinus*	Egg			
		Larvae			
		Juvenile		x	x
		Adult			x
Oyster Toadfish	*Opsanus tau*	Egg		x	x
		Larvae		x	x

		Juvenile		x	x
		Adult		x	x
Quahog (Hard clam)* +	*Mercenaria mercenaria*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Rainbow Smelt	*Osmerus mordax*	Larvae	x		
		Juvenile	x	x	
		Adult	x	x	
Razor Clam	*Ensis directus*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Red Hake	*Urophycis chuss*	Egg			
		Larvae			
		Juvenile		x	x
		Adult			x
Ribbed Mussel	*Geukensia demissa*	Egg			
		Larvae			
		Juvenile		x	
		Adult		x	
Sand Lance+	*Ammodytes spp.*	Egg		x	
		Larvae			
		Juvenile			x
		Adult		x	x
Sand Shrimp+	*Crangon septiemspinosa*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Say Mud Crab	*Dyspanopeus sayi*	Egg		x	x
		Larvae		x	x
		Juvenile		x	x
		Adult		x	x
Scup	*Stenotomus chrysops*	Egg			
		Larvae			
		Juvenile		x	x
		Adult			x
Seaboard Goby	*Gobiosoma ginsburgi*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Sheepshead Minnow	*Cyprinodon variegatus*	Egg		x	
		Larvae		x	
		Juvenile		x	
		Adult		x	
Shortnose Sturgeon	*Acipenser brevirostrum*	Adult	x		x
Silver Hake*	*Merluccius bilinearis*	Egg			

		Larvae			
		Juvenile			x
		Adult			x
Smallmouth Flounder	*Etropus microstomus*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Smooth Dogfish	*Mustelus canis*	Juvenile		x	x
		Adult		x	x
Softshell Clam*	*Mya arenaria*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Spider Crab	*Libinia emarginata*	Egg		x	x
		Larvae			
		Juvenile		x	x
		Adult		x	x
Spot	*Leiostomus xanthurus*	Egg			
		Larvae			
		Juvenile	x	x	x
		Adult			x
Spotted Hake	*Urophycis regia*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Striped Bass*	*Morone saxatilis*	Juvenile	x	x	
		Adult	x	x	
Striped Killifish+	*Fundulus majalis*	Egg		x	
		Larvae		x	
		Juvenile		x	
		Adult		x	
Striped Searobin	*Prionotus evolans*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Summer Flounder*	*Paralichthys dentatus*	Egg			
		Larvae			
		Juvenile	x	x	x
		Adult			x
Tautog*	*Tautog onitis*	Egg			
		Larvae			
		Juvenile		x	x
		Adult			x
Threespine Stickleback	*Gasterosteus aculeatus*	Egg	x	x	
		Larvae	x	x	
		Juvenile	x	x	
		Adult	x	x	

Tube Worm	*Mediomastus ambiseta*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Weakfish*	*Cynoscion regalis*	Egg			
		Larvae		x	
		Juvenile	x	x	
		Adult	x	x	
White Perch*	*Morone americana*	Egg	x	x	
		Larvae	x	x	
		Juvenile	x	x	
		Adult	x	x	
Windowpane	*Scophthalmus aquosus*	Egg			
		Larvae			
		Juvenile		x	x
		Adult		x	x
Winter Flounder*	*Pseudopleuronectes americanus*	Egg		x	x
		Larvae		x	x
		Juvenile	x	x	x
		Adult		x	x
Yellow Perch*	*Perca flavescens*	Egg	x		
		Larvae	x		
		Juvenile	x		
		Adult	x		

*Economically Important Species
+Ecologically Important Species

ver. The blue shading indicates species included in the Virginian Province criteria data base.

Pelagic	Time of Year of Occurrence in Study Area	Family	Classification by Estuarine Dependence[1]
	April - June	Clupeidae	Anadromous
	April - June		
x	Year Round		
x	Year Round		
x	January - May	Anguillidae	Catadromous
x	Year Round		
	March - November		
	Year Round	Nephropidae	Estuarine resident
x	May - October		
	Year Round		
	Year Round		
	March - June	Clupeidae	Anadromous
	March - June		
x	March - May		
x	March - May		
x	November - May	Gadidae	Marine randomly
x	December - May		
	October - May		
	October - May		
x	January - May, October - November	Clupeidae	Marine randomly
x	Year Round		
x	Year Round		
x	April - November	Clupeidae	Spawning/Nursery
x	April - February		
x	Year Round		
x	Year Round		
x	June - October	Belonidae	Spawning/Nursery
x	June - October		
x	May - September	Nuculidae	Estuarine resident
x	May - September		
	Year Round		
	Year Round		
	May - July	Atherinopsidae	Estuarine residents
	May - July		
x	Year Round		
x	Year Round		
	Year Round	Acipenseridae	Anadromous
	Year Round		
x	July - August, October - November	Mactridae	Estuarine residents
x	July - August, October - November		
	Year Round		
	Year Round		

	November - March	Gadidae	Estuarine resident
	December - April		
	Year Round		
	Year Round		
	June - July	Fundulidae	Freshwater species
	June - July		occasionally
	Year Round		
	Year Round		
x	June - September	Engraulidae	Seasonally
x	June - October		
x	Year Round		
x	Year Round		
x	May - July	Serranidae	Spawning/Nursery
	May - October		
	May - October		
	June - October	Portunidae	Estuarine resident
x	June - October		
	April - October (yr round)		
	April - October (yr round)		
x	April - September	Mytilidae	Estuarine resident
x	April - October		
	Year Round		
	Year Round		
	April - June	Clupeidae	Anadromous
	April - June		
x	April - January		
x	Year Round		
x	June - August	Pomatomidae	Seasonally
x	May - October		
x	May - November		
	May - August	Centrarchidae	Freshwater species
	May - August		occasionally
	Year Round		
	Year Round		
	September - May	Salmonidae	Freshwater species
	September - May		occasionally
x	May - August	Stromateidae	Seasonally
x	June - October		
x	April - December		
x	April - December		
	April -June	Cancridae	Estuarine resident
x	April - October		
	July - October		
	Year Round		
x	August - November	Busyconidae	Estuarine resident
x	March - May		
	Year Round		

	Year Round		
x	May -August	Labridae	Spawning/Nursery
x	June - August		
	Year Round		
	Year Round		
x	May - August	Ostreidae	Estuarine resident
x	May - September		
	Year Round		
	Year Round		
	May - June, November	Ampeliscidae	Estuarine resident
	Year Round		
	Year Round		
	May - July	Gasterosteidae	Estuarine resident
	May - July		
	Year Round		
	Year Round		
	May - September	Portunidae	Estuarine resident
x	June - October		
	Year Round		
	Year Round		
	January - February	Cottidae	Seasonally
x	February - May		
	Year Round		
	Year Round		
	April -June	Clupeidae	Anadromous
	April - June		
	April - October		
	April - October		
x	May - August	Achiridae	Estuarine resident
x	May - August		
	Year Round		
	Year Round		
	May - June	Limulidae	Estuarine resident
	May - June		
	Year Round		
	Year Round		
	June - August	Synodontidae	Seasonally
	June - August		
	April - September	Varunidae	Estuarine resident
x	April - September		
	Year Round		
	Year Round		
x	August - November	Busyconidae	Estuarine resident
x	March - May		
	Year Round		
	Year Round		
	May - July	Centrarchidae	Freshwater species

	May - July		occasionally
	Year Round		
	Year Round		
x	Year Round	Rajidae	Marine randomly
	Year Round		
	Year Round		
	May - August	Loliginidae	Seasonally
x	May - August		
x	March-October		
x	March-October		
		Squillidae	Estuarine resident
x	July - October		
	Year Round		
	Year Round		
	June - July	Fundulidae	Estuarine resident
	June - July		
	Year Round		
	Year Round		
x	Year Round	Mysidae	Estuarine resident
x	Year Round		
x	Year Round		
x	Year Round		
	July - September	Gobiidae	Estuarine stray
x	July - September		
	Year Round		
	Year Round		
	April - July	Gasterosteidae	Estuarine residents
	April - July		
	Year Round		
	Year Round		
x	June - July	Sciaenidae	Spawning/Nursery
x	June - August		
	May - November		
	May - November		
x	June - October	Syngnathidae	Estuarine resident
	Year Round		
	Year Round		
	June - August	Tetraodontidae	Spawning/Nursery
x	June - August		
x	May - November		
x	May - November		
x	May - September	Triglidae	Seasonally
x	June - September		
	May - October		
	April - October		
	May - August	Batrachoidiae	Estuarine resident
	May - August		

	Year Round		
	Year Round		
x	May - October	Veneridae	Estuarine resident
x	May - November		
	Year Round		
	Year Round		
	April - June	Osmeridae	Anadromous
x	Year Round		
x	Year Round		
x	May - June	Pharidae	Estuarine resident
x	May - June		
	Year Round		
	Year Round		
x	June - September	Gadidae	Marine randomly
x	June - October		
	April - February		
	Year Round		
x	June - September	Mytilidae	Estuarine resident
x	June - September		
	Year Round		
	Year Round		
	November - April	Ammodytidae	Seasonally
x	January - May		
	Year Round		
	Year Round		
	March- June, July - August	Crangonidae	Estuarine resident
x	June - September		
	Year Round		
	Year Round		
	April - October	Panopeidae	Estuarine resident
x	April - October		
	Year Round		
	Year Round		
x	May - September	Sparidae	Spawning/Nursery
x	May - September		
	May - October		
	April - October		
	July - December	Gobiidae	Estuarine resident
x	July - December		
	Year Round		
	Year Round		
	June - July	Cyprinodontidae	Estuarine resident
	June - August		
	Year Round		
	Year Round		
	Year Round	Acipenseridae	Anadromous
x	May - October	Merlucciidae	Marine randomly

x	June - October		
x	Year Round		
x	Year Round		
x	June - September	Paralichthyidae	Spawning/Nursery
x	July - October		
	Year Round		
	Year Round		
	May to November	Triakidae	Marine randomly
	May to November		
x	June - August, October - November	Myidae	Estuarine resident
x	June - August, October - November		
	Year Round		
	Year Round		
	June - September	Epialtidae	Estuarine resident
x	July - October		
	Year Round		
	Year Round		
x	June and July	Sciaenidae	Spawning/Nursery
x	June and July		
	May - November		
	May - November		
x	May - October	Gadidae	Seasonally
x	June - November		
	March - November		
	March - November		
x	March - November	Moronidae	Anadromous
x	March - November		
	June - July	Fundulidae	Estuarine resident
	June - July		
	Year Round		
	Year Round		
x	May - August	Triglidae	Seasonally
x	June - August		
	April - October		
	April - October		
x	January - June	Paralichthyidae	Seasonally
x	July - January		
	April - November		
	April - November		
x	May - September	Labridae	Spawning/Nursery
x	May - September		
	Year Round		
	Year Round		
	May - July	Gasterosteidae	Estuarine resident
	May - July		
	Year Round		
	Year Round		

x		Capitellidae	Estuarine resident
x			
	Year Round		
	Year Round		
x	June - August	Sciaenidae	Spawning/Nursery
x	June - September		
x	May - November		
x	May - November		
	April - June	Moronidae	Anadromous
	April - July		
	Year Round		
x	Year Round		
x	May - October	Scophthalmidae	Seasonally
x	June - November		
	Year Round		
	Year Round		
	December - April	Pleuronectidae	Spawning/Nursery
	February - June		
	Year Round		
	Year Round		
	April - June	Percidae	Freshwater species occasionally
	April - June		
	Year Round		
	Year Round		

Notes	Citations
Important forage species	Metcalf & Eddy and AECOM 2008; Greene et al. 2009; Able and Fahay 2010; Stone et al. 1994
Small commercial/recreational harvest	Greene et al. 2009; Stone et al. 1994
Recreational/Commercial Importance	Cooper and Uzmann 1980; Ennis 1995; Stone et al. 1994
Recreational Importance	Metcalf & Eddy and AECOM 2008; Greene et al. 2009; Stone et al. 1994
Recreational/Commercial Importance	Lough 2004; Stone et al. 1994; Keller et al.1999; PG&E National Energy Group 2001
	Collette and Klein-MacPhee 2002; Stevenson and Scott 2005; Stone et al. 1994; PG&E National Energy Group 2001
Important forage species/Commercial Importance	Rogers and Van Den Avyle 1989; Collette and Klein-MacPhee 2002; Metcalf &Eddy and AECOM 2008; Keller et al. 1999; Stone et al. 1993
	Collette and Klein-MacPhee 2002
	Drew 1901; Abbott 1954; Gosner 1971
Important forage species	Collette and Klein-MacPhee 2002; Able and Fahay 2010; Stone et al. 1994
Federal endangered species	GARFO 2017a; Greene et al. 2009; Stone et al. 1994
Commercial Importance	Gosner 1971; Ropes 1980; Fay et al. 1983

	Stewart and Auster 1987; Collette and Klein-MacPhee 2002; Metcalf & Eddy and AECOM 2008; Stone et al. 1994
	Hartel et al. 2002; Able and Fahay 2010; Stone et al. 1994
Important forage species	Morton 1989; Keller et al. 1999; PG&E National Energy Group 2001; Collette and Klein-MacPhee 2002; Stone et al. 1994
Recreational/Commercial Importance	Steimle et al. 1999a; Stone et al. 1994
Recreational/Commercial Importance	Millikin and Williams 1984; Hill et al. 1989; Stone et al. 1994
Recreational/Commercial Importance	Gosner 1971; Newell 1989; Stone et al. 1994
Important forage species	Metcalf & Eddy and AECOM 2008; Greene et al. 2009; Able and Fahay 2010; Stone et al. 1994
Primarily recreational importance/secondary commercial importance	Shepherd and Packer 2006; Metcalf &Eddy and AECOM 2008; Stone et al. 1994
Recreational importance	Hartel et al. 2002
Recreational importance	Collette and Klein-MacPhee 2002; Hurley 2006
Important forage species	Cross et al. 1999; Stone et al. 1994
Commercial importance/Important forage species	Gosner 1971; Bigford 1979
Commercial importance	Abbott 1954; Gosner 1971; Rosenberg 2009; Peemoeller and Stevens 2013

	Collette and Klein-MacPhee 2002; Stone et al. 1994
Commercial/Recreational importance	Galtsoff 1964; Gosner 1971; Stanley and Sellers 1986; Stone et al. 1994
	Bousfield 1973; Collie 1985
	Collette and Klein-MacPhee 2002; Hartel et al. 2002; Sargent et al. 2008; Able and Fahay 2010.
Invasive species	Gosner 1971; Klassen and Locke 2007
	Keller et al. 1999; Collette and Klein-MacPhee 2002
	Biglow and Schroeder 1953; Able and Fahay 2010
	Munroe 2003; Metcalf & Eddy and AECOM 2008; Able and Fahay 2010; Stone et al. 1994
Commercial/Ecological Importance	Gosner 1971; Shuster 1982; Shuster and Botton 1985
	Able and Fahay 2010
Invasive species	Klassen 2012
Commercial Importance	Gosner 1971; Rosenberg 2009; Peemoeller and Stevens 2013
Recreational Importance	Hartel et al. 2002; Metcalf & Eddy and AECOM 2008

	Packer et al. 2003; Stone et al. 1994
Important forage species; Commercial importance	Jacobson 2005
	Gosner 1971; Myers 1979; Morgan 1980
Important forage species	Abraham 1985; Collette and Klein-MacPhee 2002; Able and Fahay 2010; Stone et al. 1994
Important forage species	Gosner 1971
	Fritzsche 1978; Metcalf & Eddy and AECOM 2008; Able and Fahay 2010; Stone et al. 1994
	Hartel et al. 2002
	Ralph 1982; Collette and Klein-MacPhee 2002; Metcalf & Eddy and AECOM 2008; Odell et al. 2017; Stone et al. 1994
	Collette and Klein-MacPhee 2002; Metcalf & Eddy and AECOM 2008; Able and Fahay 2010; Stone et al. 1994
	Keller et al. 1999; Collete and Klein-MacPhee 2002; Able and Fahay 2010
	Collette and Klein-MacPhee 2002; Stone et al. 1994
	Collette and Klein-MacPhee 2002; Stone et al. 1994

Commercial/Recreational Importance	Stanley 1985; Stone et al. 1994
Recreational Importance	Buckley 1989; Collette and Klein-MacPhee 2002; Stone et al. 1994
	Kenchington et al. 1998; Christian et al. 2010
	Steimle et al. 1999b; Stone et al. 1994
	Borrero 1987
Important Forage Species	Auster and Stewart 1986; Collette and Klein-MacPhee 2002; Stone et al. 1994
Important Forage Species	Gosner 1971; Squires 1990; Stone et al. 1994; Christian 2010
	Wiliams 1965; Gosner 1971; Hovel and Morgan 1997
Commercial/Recreational Importance	Steimle et al. 1999c; Stone et al. 1994
	Fritzsche 1978; Munroe and Lotspeich 1979; Duval and Able 1998; Stone et al. 1994; Keller et al. 1999
	Bigelow and Schroeder 1953; Able and Fahay 2010; Stone et al. 1994
	GARFO 2017b; Dadswell et al. 1984; Stone et al. 1994
Commercial Importance	Keller et al. 1999; Morse et al. 1999; Lock and Packer 2004

	Collette and Klein-MacPhee 2002
Minor commercial importance	Bigelow and Schroeder 1953; Collette and Klein-MacPhee 2002
Commercial/Recreational Importance	Gosner 1971; Abraham and Dillon 1986; Newell and Hidu 1986; Stone et al. 1994
	Hinsch 1968; Gosner 1971
	Stickney and Cuenca 1982; Phillips et al. 1989; Able and Fahay 2010; Odell et al. 2017; Stone et al. 1994
	Keller et al. 1999; Collette and Klein-MacPhee 2002
Commercial/Recreational Importance	Metcalf & Eddy and AECOM 2008; Greene et al. 2009; Stone et al. 1994
Important Forage Species	Abraham 1985; Collette and Klein-MacPhee 2002; Able and Fahay 2010; Stone et al. 1994
	Keller et al. 1999; Collette and Klein-MacPhee 2002
Commercial/Recreational Importance	Packer et al. 1999; Metcalf & Eddy and AECOM 2008; Stone et al. 1994
Commercial/Recreational Importance	Steimle and Shaheen 1999; Collette and Klein-MacPhee 2002; Stone et al. 1994
	Collette and Klein-MacPhee 2002; Hartel et al. 2002; Metcalf &Eddy and AECOM 2008; Able and Fahay 2010;

	Gosner 1971
Minor commercial/recreational importance	Metcalf & Eddy and AECOM 2008; Odell et al. 2017; Stone et al. 1994
Recreational importance	Stanley and Danie 1983; Hartel et al. 2002; Collette and Klein-MacPhee 2002; Metcalf & Eddy and AECOM 2008; Stone et al. 1994
	Chang et al. 1999; Able and Fahay 2010; Stone et al. 1994
Commercial/Recreational Importance	Pereira et al. 1999; Keller et al. 1999; PG&E National Energy Group 2001; Metcalf & Eddy and AECOM 2008; Stone et al. 1994
Recreational Importance	Metcalf & Eddy and AECOM 2008; Brown et al. 2009; Stone et al. 1994