

**Attachment 1a. File No. 16163 [NWFSC] Authorized Annual Takes in the Pacific Ocean (WA, OR, CA, HI, AK, High Seas North Pacific Ocean)**

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	All	200	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, fin	Range-wide (NMFS Endangered)	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, fin	Range-wide (NMFS Endangered)	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.
Whale, fin	Range-wide (NMFS Endangered)	Adult/ Juvenile	5	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, fin	Range-wide (NMFS Endangered)	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=non-audible acoustic imaging
Whale, fin	Range-wide (NMFS Endangered)	All	500	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, sei	Range-wide (NMFS Endangered)	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, sei	Range-wide (NMFS Endangered)	All	500	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Bryde's	Range-wide	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Bryde's	Range-wide	All	500	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, humpback	Range-wide (NMFS Endangered)	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, humpback	Range-wide (NMFS Endangered)	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, humpback	Range-wide (NMFS Endangered)	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, humpback	Range-wide (NMFS Endangered)	All	5	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, humpback	Range-wide (NMFS Endangered)	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, humpback	Range-wide (NMFS Endangered)	All	500	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, right, North Pacific	Eastern North Pacific Stock (NMFS Endangered)	All	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, right, North Pacific	Eastern North Pacific Stock (NMFS Endangered)	All	10	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, unidentified baleen	NA	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, unidentified baleen	NA	All	500	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, sperm	Range-wide (NMFS Endangered)	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, sperm	Range-wide (NMFS Endangered)	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry;	Up to 10 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
						Photograph/Video; Sample, fecal ; Tracking	
Whale, sperm	Range-wide (NMFS Endangered)	All	250	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, sperm	Range-wide (NMFS Endangered)	All	250	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, killer	Eastern North Pacific Offshore Stock	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Offshore Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, killer	Eastern North Pacific Offshore Stock	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 15 may receive dart/barb tags; up to 10 may receive both.
Whale, killer	Eastern North Pacific Offshore Stock	All	100	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Offshore Stock	All	250	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, killer	Eastern North Pacific Offshore Stock	All	250	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, killer	West Coast Transient Stock	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, killer	West Coast Transient Stock	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	West Coast Transient Stock	Adult/ Juvenile	100	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 50 may receive suction cup tags; Up to 50 may receive dart/barb tags; up to 10 may receive both.
Whale, killer	West Coast Transient Stock	All	25	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, killer	West Coast Transient Stock	All	200	25	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, killer	West Coast Transient Stock	All	200	25	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	West Coast Transient Stock	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking; Ultrasound	
Whale, killer	Eastern North Pacific Alaska Resident Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, killer	Eastern North Pacific Alaska Resident Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Alaska Resident Stock	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.
Whale, killer	Eastern North Pacific Alaska Resident Stock	All	200	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, killer	Eastern North Pacific Alaska Resident Stock	All	200	10	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, killer	Eastern North Pacific Alaska Resident Stock	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking; Ultrasound	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Northern Resident Stock	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, killer	Eastern North Pacific Northern Resident Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, killer	Eastern North Pacific Northern Resident Stock	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Northern Resident Stock	All	50	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, killer	Eastern North Pacific Northern Resident Stock	All	100	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, killer	Eastern North Pacific Northern Resident Stock	All	100	10	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	Adult/ Juvenile	39	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 30 may receive suction cup tags; Up to 9 may receive dart/barb tags; up to 9 may receive both.
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking; Ultrasound	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	130	5	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Directed playback
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	750	5	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	6000	60	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	6000	60	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Hawaiian Stock	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging
Whale, killer	Hawaiian Stock	All	100	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, killer	Range-wide	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, killer	Range-wide	All	100	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=non-audible acoustic imaging
Whale, minke	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, minke	Range-wide	Adult/ Juvenile	35	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 15 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, minke	Range-wide	Adult/ Juvenile	5	10	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, minke	Range-wide	All	50	15	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=non-audible acoustic imaging
Whale, minke	Range-wide	All	50	15	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, gray	Eastern North Pacific	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, gray	Eastern North Pacific	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, gray	Eastern North Pacific	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.
Whale, gray	Eastern North Pacific	Adult/ Juvenile	5	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, gray	Eastern North Pacific	All	100	15	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=non-audible acoustic imaging

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, gray	Eastern North Pacific	All	100	15	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, pygmy sperm	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, pygmy sperm	Range-wide	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 20 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.
Whale, pygmy sperm	Range-wide	All	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, pygmy sperm	Range-wide	All	25	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, dwarf sperm	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, dwarf sperm	Range-wide	Adult/ Juvenile	40	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 20 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.
Whale, dwarf sperm	Range-wide	All	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, dwarf sperm	Range-wide	All	25	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Baird's beaked	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, Baird's beaked	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 10 may receive dart/barb tags; up to 10 may receive both.
Whale, Baird's beaked	Range-wide	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Baird's beaked	Range-wide	All	200	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Cuvier's beaked	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, Cuvier's beaked	Range-wide	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.
Whale, Cuvier's beaked	Range-wide	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Cuvier's beaked	Range-wide	All	200	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Stejneger's beaked	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, Stejneger's beaked	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, Stejneger's beaked	Range-wide	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Stejneger's beaked	Range-wide	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Hubbs' beaked	Range-wide	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, Hubbs' beaked	Range-wide	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, Perrin's beaked	Range-wide	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, Perrin's beaked	Range-wide	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, pygmy beaked	Range-wide	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, pygmy beaked	Range-wide	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, unidentified beaked	NA	All	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, unidentified beaked	NA	All	30	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, pilot, short-finned	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, pilot, short-finned	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole or by UAV
Whale, pilot, short-finned	Range-wide	Adult/ Juvenile	30	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 10 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 10 may receive both.
Whale, pilot, short-finned	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Whale, pilot, short-finned	Range-wide	All	2000	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, Risso's	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Dolphin, Risso's	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, Risso's	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, Risso's	Range-wide	All	2000	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, common, short-beaked	California/Oregon/Washington Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Dolphin, common, short-beaked	California/Oregon/Washington Stock	Adult/ Juvenile	5	1	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=audible acoustic imaging
Dolphin, common, short-beaked	California/Oregon/Washington Stock	All	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, common, short-beaked	California/Oregon/Washington Stock	All	25	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, common, long-beaked	California Stock	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Dolphin, common, long-beaked	California Stock	All	5	1	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=audible acoustic imaging
Dolphin, common, long-beaked	California Stock	All	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, common, long-beaked	California Stock	All	25	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, Pacific white-sided	Range-wide	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Dolphin, Pacific white-sided	Range-wide	Adult/ Juvenile	5	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Dolphin, Pacific white-sided	Range-wide	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Up to 5 may receive suction cup tags; Up to 20 may receive dart/barb tags; up to 5 may receive both.

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, Pacific white-sided	Range-wide	All	25	1	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=audible acoustic imaging
Dolphin, Pacific white-sided	Range-wide	All	25	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	Incidental to acoustic active playback/broadcast
Dolphin, Pacific white-sided	Range-wide	All	2500	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Dolphin, Pacific white-sided	Range-wide	All	2500	10	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, striped	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Dolphin, striped	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, striped	Range-wide	All	2000	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Dolphin, northern right whale	Range-wide	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, northern right whale	Range-wide	Adult/ Juvenile	5	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Dolphin, northern right whale	Range-wide	Adult/ Juvenile	5	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, northern right whale	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Dolphin, northern right whale	Range-wide	All	2000	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Porpoise, harbor	Range-wide	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Porpoise, harbor	Range-wide	Adult/ Juvenile	100	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	other=audible acoustic imaging
Porpoise, harbor	Range-wide	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Porpoise, harbor	Range-wide	All	5000	50	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Porpoise, harbor	Range-wide	All	5000	50	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Porpoise, Dall's	Range-wide	Adult/ Juvenile	50	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Sample, skin and blubber biopsy; Tracking	
Porpoise, Dall's	Range-wide	Adult/ Juvenile	25	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Porpoise, Dall's	Range-wide	All	12	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, suction-cup (e.g., VHF, TDR); Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Porpoise, Dall's	Range-wide	Adult/ Juvenile	5	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Porpoise, Dall's	Range-wide	Adult/ Juvenile	10	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Tracking	other=audible acoustic imaging
Porpoise, Dall's	Range-wide	All	5000	50	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Porpoise, Dall's	Range-wide	All	5000	50	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Blainville's beaked	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, Blainville's beaked	Range-wide	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Whale, Longman's beaked	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, Longman's beaked	Range-wide	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Whale, pygmy killer	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, pygmy killer	Range-wide	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Whale, melon-headed	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, melon-headed	Range-wide	All	5000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Whale, false killer	Hawaiian Stock	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Whale, false killer	Hawaiian Stock	All	200	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Whale, false killer	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Whale, false killer	Range-wide	All	5	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	Incidental to acoustic active playback/broadcast
Whale, false killer	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	other=non-audible acoustic imaging, Sample collected using pole only
Dolphin, bottlenose	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, bottlenose	Range-wide	Adult/ Juvenile	5	1	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	other=non-audible acoustic imaging

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, bottlenose	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, exhaled air; Sample, fecal ; Tracking	Sample collected using pole only
Dolphin, bottlenose	Range-wide	All	2000	3	Survey, aerial	Count/survey; Imaging, thermal; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Tracking	
Dolphin, rough-toothed	Range-wide	Adult/ Juvenile	20	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Instrument, dart/barb tag; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, rough-toothed	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Dolphin, spinner	Range-wide	All	2000	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, pantropical spotted	Range-wide	All	2000	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Dolphin, Fraser's	Range-wide	All	2000	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Imaging, thermal; Import/export/receive, parts; Incidental harassment; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry; Photograph/Video; Sample, fecal ; Tracking	
Seal, northern elephant	Range-wide	All	5	3	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Incidental disturbance; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	Incidental to acoustic active playback/broadcast

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Seal, northern elephant	Range-wide	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry	other=non-audible acoustic imaging,
Seal, northern elephant	Range-wide	All	500	3	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	5	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Incidental disturbance; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	Incidental to acoustic active playback/broadcast
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	500	5	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry	other=non-audible acoustic imaging,
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	500	5	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Sea lion, California	US Stock	All	5	1	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Incidental disturbance; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	Incidental to acoustic active playback/broadcast

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Sea lion, California	US Stock	All	500	10	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry	other=non-audible acoustic imaging,
Sea lion, California	US Stock	All	500	10	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Seal, harbor	Range-wide	All	25	5	Survey, vessel	Acoustic, active playback/broadcast; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Incidental disturbance; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	Incidental to acoustic active playback/broadcast
Seal, harbor	Range-wide	All	1000	25	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry	other=non-audible acoustic imaging,
Seal, harbor	Range-wide	All	1000	25	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Seal, Northern fur	Eastern Pacific Stock	All	500	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Other; Photo-id; Photogrammetry	other=non-audible acoustic imaging,
Seal, Northern fur	Eastern Pacific Stock	All	500	3	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	Platform	PROCEDURES	DETAILS
Seal, Guadalupe fur	Range-wide	All	100	3	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Count/survey; Import/export/receive, parts; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Seal, Guadalupe fur	Range-wide	All	100	3	Survey, aerial	Count/survey; Observation, monitoring; Observations, behavioral; Photo-id; Photogrammetry	
Seal, Hawaiian monk	Hawaiian Islands (NMFS Endangered)	All	10	2	Survey, vessel	Incidental disturbance	



**Attachment 1b. File No. 16111 [John Calambokidis] Authorized Annual Takes in the Pacific Ocean, In addition to US waters from California to Alaska, includes international waters off central America, Mexico, the US, and Canada.**

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Dolphin, bottlenose	Range-wide	All	Male and Female	600	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Dolphin, bottlenose	Range-wide	Non-neonate	Male and Female	50	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	
Dolphin, bottlenose	Range-wide	Non-neonate	Male and Female	30	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video	10 suction cup tags, 20 other tags; maximum of 2 animals would have multiple tags attached
Dolphin, common, long-beaked	Range-wide	All	Male and Female	10000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Dolphin, common, short-beaked	Range-wide	All	Male and Female	10000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Dolphin, northern right whale	Range-wide	All	Male and Female	10000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Dolphin, northern right whale	Range-wide	Non-neonate	Male and Female	30	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	
Dolphin, Pacific white-sided	Range-wide	All	Male and Female	10000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Dolphin, Pacific white-sided	Range-wide	Non-neonate	Male and Female	30	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	
Dolphin, Pacific white-sided	Range-wide	Non-neonate	Male and Female	10	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Dolphin, Risso's	California/Oregon/Washington Stock	All	Male and Female	1000	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Dolphin, Risso's	California/Oregon/Washington Stock	Non-neonate	Male and Female	100	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy
Dolphin, Risso's	California/Oregon/Washington Stock	Non-neonate	Male and Female	30	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	10 suction cup tags, 20 other tags, max 2 animals would receive multiple tags
Dolphin, striped	Range-wide	All	Male and Female	1000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Porpoise, Dall's	Range-wide	Non-neonate	Male and Female	10	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Porpoise, Dall's	Range-wide	All	Male and Female	2000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Porpoise, harbor	Range-wide	Non-neonate	Male and Female	10	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy
Porpoise, harbor	Range-wide	All	Male and Female	2000	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Sea lion, California	US Stock	All	Male and Female	500	5	Harass	Survey, ground	Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring	
Sea lion, California	US Stock	All	Male and Female	500	3	Harass	Survey, vessel	Count/survey; Incidental disturbance	
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	Male and Female	500	3	Harass	Survey, ground	Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring	
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	Male and Female	100	2	Harass	Survey, vessel	Count/survey; Incidental disturbance	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Seal, harbor	Range-wide	All	Male and Female	3000	5	Harass	Survey, vessel	Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring	
Seal, harbor	Range-wide	All	Male and Female	3000	5	Harass	Survey, ground	Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring	
Seal, northern elephant	California Breeding Stock	All	Male and Female	100	2	Harass	Survey, vessel	Count/survey; Incidental disturbance	
Seal, Northern fur	Range-wide	All	Male and Female	200	2	Harass	Survey, vessel	Count/survey; Incidental disturbance	
Whale, Baird's beaked	Range-wide	All	Male and Female	250	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, Baird's beaked	Range-wide	Non-neonate	Male and Female	50	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, Baird's beaked	Range-wide	Non-neonate	Male and Female	40	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	20 suction cup tags, 20 other tags; max of 4 animals would receive multiple tags
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	100	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	Level B + biopsy sampling; calves > 4months may be sampled
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	80	3	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	50 suction cup tags, 30 other tags, maximum 6 animals would receive multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	All	Male and Female	2000	10	Harass	Survey, aerial/ves sel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, Bryde's	Eastern Tropical Pacific Stock	All	Male and Female	100	10	Harass	Survey, aerial/ves sel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Underwater photo/videography	
Whale, Bryde's	Eastern Tropical Pacific Stock	Non-neonate	Male and Female	20	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	
Whale, Bryde's	Eastern Tropical Pacific Stock	Non-neonate	Male and Female	25	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	5 suction cup tags, 20 other tags; 1 animal may receive multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, Cuvier's beaked	Range-wide	All	Male and Female	150	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, Cuvier's beaked	Range-wide	Non-neonate	Male and Female	50	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy
Whale, Cuvier's beaked	Range-wide	Non-neonate	Male and Female	50	3	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	30 suction cup tags, 20 other tags; max 4 animals may have multiple tags attached
Whale, dwarf sperm	California/Oregon/Washington Stock	All	Male and Female	50	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, fin	Range-wide (NMFS Endangered)	Non-neonate	Male and Female	100	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	calves > 4 months may be biopsy sampled
Whale, fin	Range-wide (NMFS Endangered)	All	Male and Female	1500	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, fin	Range-wide (NMFS Endangered)	Non-neonate	Male and Female	60	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	30 suction cup tags, 30 other tags; maximum of 6 whales would receive multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, gray	Eastern North Pacific	All	Male and Female	1500	20	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Underwater photo/videography	
Whale, gray	Eastern North Pacific	Non-neonate	Male and Female	50	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	calves > 4 months may be biopsy sampled
Whale, gray	Eastern North Pacific	Non-neonate	Male and Female	60	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	30 suction cup tags, 30 other tags; max 6 animals may have multiple tags attached

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	80	3	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	50 suction cup tags, 30 other tags; maximum of 6 animals may receive multiple tags
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	All	Male and Female	2000	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	100	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	calves > 4 months may be biopsy sampled
Whale, killer	AT1 Transient Stock	All	Male and Female	200	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Alaska Resident Stock	All	Male and Female	200	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, killer	Eastern North Pacific Northern Resident Stock	All	Male and Female	300	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, killer	Eastern North Pacific Northern Resident Stock	Non-neonate	Male and Female	10	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	Level B + biopsy
Whale, killer	Eastern North Pacific Northern Resident Stock	Non-neonate	Male and Female	5	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Offshore Stock	All	Male and Female	500	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Underwater photo/videography	
Whale, killer	Eastern North Pacific Offshore Stock	Non-neonate	Male and Female	20	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	Level B + biopsy
Whale, killer	Eastern North Pacific Offshore Stock	Non-neonate	Male and Female	10	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	Male and Female	300	10	Harass	Survey, aerial/vessel	Collect, remains for predation study; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	Level B only

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, killer	Gulf of Alaska, Aleutian Islands, Bering Sea Transient Stock	All	Male and Female	200	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, killer	West Coast Transient Stock	All	Male and Female	300	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, killer	West Coast Transient Stock	Non-neonate	Male and Female	20	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy
Whale, killer	West Coast Transient Stock	Non-neonate	Male and Female	10	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	All	Male and Female	150	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	Non-neonate	Male and Female	50	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	Non-neonate	Male and Female	40	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, skin and blubber biopsy	20 suction cup tags, 20 other tags; max 4 animals may receive multiple tags
Whale, minke	California/Oregon/Washington stock	All	Male and Female	200	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, minke	California/Oregon/Washington stock	Non-neonate	Male and Female	30	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, minke	California/Oregon/Washington stock	Non-neonate	Male and Female	30	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	10 suction cup tags, 20 other tags; maximum of 2 animals would receive multiple tags
Whale, pilot, short-finned	Range-wide	All	Male and Female	250	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Underwater photo/videography	
Whale, pilot, short-finned	Range-wide	Non-neonate	Male and Female	30	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	



SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, pilot, short-finned	Range-wide	Non-neonate	Male and Female	50	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	30 suction cup tags, 20 other tags; maximum of 4 animals would receive multiple tags
Whale, pygmy sperm	California/Oregon/Washington stock	All	Male and Female	50	5	Harass	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	All	Male and Female	70	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	20	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	Non-neonate	Male and Female	15	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	5 suction cup tags, 10 other tags; 1 animal may have multiple tags attached
Whale, sperm	Range-wide (NMFS Endangered)	All	Male and Female	700	10	Harass	Survey, aerial/vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Underwater photo/videography	Range wide chosen because no good boundary between EN Pacific CA-OR-WA stock
Whale, sperm	Range-wide (NMFS Endangered)	Non-neonate	Male and Female	100	2	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	SEX	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	TAKE ACTION	OBSERVE/ COLLECT METHOD	PROCEDURES	DETAILS
Whale, sperm	Range-wide (NMFS Endangered)	Non-neonate	Male and Female	60	1	Harass/Sampling	Survey, vessel	Acoustic, passive recording; Acoustic, sonar for prey mapping; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Instrument, dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument, suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-id; Photograph/Video; Sample, exhaled air; Sample, skin and blubber biopsy; Underwater photo/videography	40 suction cup tags, 20 other tags; maximum 4 animals would receive multiple tags

**Attachment 1c. File No. 15569 [Center for Whale Research (Ken Balcomb)] Authorized Annual Takes in the Pacific Ocean - AK,CA,OR,WA including inland marine waters of Washington State and Alaska, Coastal waters out to edge of Continental Shelf and fifty miles beyond off California, Oregon, Washington and Alaska.**

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER ANIMAL	PLATFORM	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	8500	100	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, killer	Range-wide	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	Except SRKW (see line #1)
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, fin	Range-wide (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, humpback	Range-wide (NMFS Endangered)	All	300	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, sperm	Range-wide (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, gray	Eastern North Pacific	All	5000	20	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER ANIMAL	PLATFORM	PROCEDURES	DETAILS
Whale, sei	Range-wide (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, Bryde's	Range-wide	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, right, North Pacific	Eastern North Pacific Stock (NMFS Endangered)	All	10	2	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, minke	California/Oregon/Washington stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, Cuvier's beaked	California/Oregon/Washington stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, Baird's beaked	California/Oregon/Washington stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, Mesoplodon beaked	California/Oregon/Washington Stocks	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Whale, Longman's beaked	NA	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER ANIMAL	PLATFORM	PROCEDURES	DETAILS
Porpoise, Dall's	California/Oregon/Washington Stocks	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Porpoise, harbor	Inland Washington Stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Dolphin, Pacific white-sided	California/Oregon/Washington Stocks	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Dolphin, Risso's	California/Oregon/Washington Stocks	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Sea lion, California	US Stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Sea lion, Steller	East of 144° Long (Eastern US) (NMFS Threatened)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Seal, harbor	Oregon & Washington Coastal Waters Stocks	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	
Seal, Northern fur	Eastern Pacific Stock	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photo-id; Sample, fecal	

**Appendix 1d. File No. 16160 [The Whale Museum] Proposed Annual Takes in Washington State. Both males and females could be harassed.**

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER ANIMAL	OBSERVE/COLLECT METHOD	PROCEDURES
Dolphin, Pacific white-sided	California/Oregon/Washington - Northern and Southern Stocks	All	20	1	Survey, vessel	Observations, behavioral; Photograph/Video
Porpoise, Dall's	California/Oregon/Washington Stock	All	10	1	Survey, vessel	Observations, behavioral; Photograph/Video
Porpoise, harbor	Inland Washington Stock	All	10	1	Survey, vessel	Observations, behavioral; Photograph/Video
Whale, gray	Eastern North Pacific	All	5	1	Survey, vessel	Observations, behavioral; Photograph/Video
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	All	10	1	Survey, vessel	Observations, behavioral; Photograph/Video
Whale, killer	Eastern North Pacific Offshore Stock	All	10	1	Survey, vessel	Count/survey; Observation, monitoring; Observations, behavioral; Photograph/Video
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	50	1	Survey, vessel	Count/survey; Observation, monitoring; Observations, behavioral; Photograph/Video
Whale, killer	Eastern North Pacific Transient Stock	All	50	1	Survey, vessel	Count/survey; Observation, monitoring; Observations, behavioral; Photograph/Video
Whale, minke	California/Oregon/Washington stock	All	10	1	Survey, vessel	Observations, behavioral; Photograph/Video