## 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; Photoid; 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; Photoid; 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/Oreg on/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/Oreg on/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/Oreg on/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/Oreg on/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/Oreg on/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/Oreg on/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/Oreg on/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/Oreg on/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; Photoid; 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; Photoid; 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; Photoid; 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; Photoid; 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	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
						Count/survey; Observations,	
Dolphin,					Survey,	behavioral; Photo-id;	
bottlenose	Range-wide	All	600	10	aerial/vessel	Photograph/Video	
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
						Count/survey; Observations,	
						behavioral; Photo-id;	
Dolphin,		Non-				Photograph/Video; Sample, skin	
bottlenose	Range-wide	neonate	50	2	Survey, vessel	and blubber biopsy	
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
						Count/survey; Instrument,	10 suction cup
						dart/barb tag; Instrument, dorsal	tags, 20 other tags;
						fin/ridge attachment; Instrument,	maximum of 2
						suction-cup (e.g., VHF, TDR);	animals would
Dolphin,	Dance wild-	Non-	30		C	Observations, behavioral; Photo-	have multiple tags
bottlenose	Range-wide	neonate	30	1	Survey, vessel	id; Photograph/Video	attached
Dolphin,						Acoustic, passive recording;	
common,					Survey,	Collect, remains for predation	
long-beaked	Range-wide	All	10000	5	aerial/vessel	study; Count/survey;	
						Observations, behavioral;	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						Photograph/Video	
Dolphin, common, short- beaked	Range-wide	All	10000	5	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Dolphin, northern right whale	Range-wide	All	10000	5	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	30	2	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	10000	5	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	30	2	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						and blubber biopsy	
Dolphin, Pacific white-sided	Range-wide	Non- neonate	10	1	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	
Dolphin, Risso's	California/Oreg on/Washington Stock	All	1000	10	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/Oreg on/Washington Stock	Non- neonate	100	2	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/Oreg on/Washington Stock	Non- neonate	30	1	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,	10 suction cup tags, 20 other tags, max 2 animals would receive multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo- id; Photograph/Video; Sample, skin and blubber biopsy	
Dolphin, striped	Range-wide	All	1000	5	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Porpoise, Dall's	Range-wide	Non- neonate	10	2	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, Dall's	Range-wide	All	2000	5	Survey, aerial/vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video	
Porpoise, harbor	Range-wide	Non- neonate	10	2	Survey, vessel	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video; Sample, skin and blubber biopsy	Level B + biopsy

LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
					Acoustic, passive recording;	
					1	
				Survey	1	
Range-wide	All	2000	5	· ·		
3				,		
					Collect, scat; Count/survey;	
			_	·	· ·	
US Stock	All	500	5	ground	Observation, monitoring	
					Count/survey; Incidental	
US Stock	All	500	3	Survey, vessel	disturbance	
					Collect scat: Count/survey:	
				Survey.		
Threatened)	All	500	3	ground	Observation, monitoring	
5						
					Count/survey: Incidental	
	All	100	2	Survey, vessel	disturbance	
,				,,		
					Collect, scat; Count/survey;	
				_		
Range-wide	All	3000	5	Survey, vessel	Observation, monitoring	
					Collect, scat; Count/survey;	
				Survey,	Incidental disturbance;	
Range-wide	All	3000	5	ground	Observation, monitoring	
	UNIT/STOCK  Range-wide  US Stock  East of 144  Long (Eastern US) (NMFS Threatened)  East of 144  Long (Eastern US) (NMFS Threatened)  Range-wide	Range-wide All  US Stock All  US Stock All  East of 144\(\infty\) Long (Eastern US) (NMFS Threatened) All  East of 144\(\infty\) Long (Eastern US) (NMFS Threatened) All  Range-wide All	Range-wide All 2000  US Stock All 500  East of 144\infty Long (Eastern US) (NMFS Threatened) All 500  East of 144\infty Long (Eastern US) (NMFS Threatened) All 500  Range-wide All 3000	Range-wide All 2000 5  US Stock All 500 3  East of 144∞ Long (Eastern US) (NMFS Threatened) All 500 3  East of 144∞ Long (Eastern US) (NMFS Threatened) All 500 3  East of 144∞ Long (Eastern US) (NMFS Threatened) All 500 3	Range-wide All 2000 5 Survey, aerial/vessel  US Stock All 500 3 Survey, yessel  East of 144~ Long (Eastern US) (NMFS Threatened) All 500 3 Survey, ground  East of 144~ Long (Eastern US) (NMFS Threatened) All 100 2 Survey, vessel  Range-wide All 3000 5 Survey, vessel	UNIT/STOCK LIFESTAGE ANIMALS INDIVIDUAL PLATFORM PROCEDURES  Acoustic, passive recording; Collect, remains for predation study; Count/survey; Observations, behavioral; Photograph/Video  Barriel Photograph/Video  US Stock All 500 5 ground Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring  US Stock All 500 3 Survey, vessel disturbance  East of 144∞ Long (Eastern US) (NMFS Threatened) All 500 3 ground Count/survey; Incidental disturbance; Observation, monitoring  East of 144∞ Count/survey; Incidental disturbance; Observation, monitoring  East of 144∞ Observation, monitoring  Count/survey; Incidental disturbance  Count/survey; Incidental disturbance  Count/survey; Incidental disturbance; Observation, monitoring  Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring  Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring  Collect, scat; Count/survey; Incidental disturbance; Observation, monitoring

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Seal, northern elephant	California Breeding Stock	All	100	2	Survey, vessel	Count/survey; Incidental disturbance	
Seal, Northern fur	Range-wide	All	200	2	Survey, vessel	Count/survey; Incidental disturbance	
Whale, Baird's beaked	Range-wide	All	250	10	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	50	2	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	
Whale, Baird's beaked	Range-wide	Non- neonate	40	1	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

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	Non- neonate	100	2	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	80	3	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
Whale, blue	Eastern North Pacific Stock (NMFS Endangered)	All	2000	10	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	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						photo/videography	
						Acoustic, passive recording;	
						Acoustic, sonar for prey mapping;	
						Collect, remains for predation study; Collect, sloughed skin;	
						Count/survey; Observations,	
	Eastern					behavioral; Photo-id;	
Whale,	Tropical Pacific	All	100	10	Survey, aerial/vessel	Photograph/Video; Underwater	
Bryde's	Stock	All	100	10	aeriai/vessei	photo/videography	
						Acoustic, passive recording;	
						Acoustic, sonar for prey mapping; Collect, remains for predation	
						study; Collect, sloughed skin;	
						Count/survey; Observations,	
						behavioral; Photo-id;	
Whale,	Eastern Tropical Pacific	Non-				Photograph/Video; Sample, skin and blubber biopsy; Underwater	
Bryde's	Stock	neonate	20	2	Survey, vessel	photo/videography	
						Acoustic, passive recording;	
						Acoustic, passive recording,  Acoustic, sonar for prey mapping;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	5 suction cup tags,
	Eastern					Count/survey; Instrument,	20 other tags; 1
Whale,	Tropical Pacific	Non-	35		C	dart/barb tag; Instrument, dorsal fin/ridge attachment; Instrument,	animal may receive
Bryde's	Stock	neonate	25	1	Survey, vessel	suction-cup (e.g., VHF, TDR);	multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						Observations, behavioral; Photo- id; Photograph/Video; Sample, skin and blubber biopsy; Underwater photo/videography	
Whale, Cuvier's beaked	Range-wide	All	150	10	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	50	2	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	50	3	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,	30 suction cup tags, 20 other tags; max 4 animals may have multiple tags attached

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						skin and blubber biopsy	
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
Whale,	California/Oreg					Count/survey; Observations,	
dwarf	on/Washington				Survey,	behavioral; Photo-id;	
sperm	Stock	All	50	5	aerial/vessel	Photograph/Video	
						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,	
	Range-wide					exhaled air; Sample, skin and	calves > 4 months
	(NMFS	Non-				blubber biopsy; Underwater	may be biopsy
Whale, fin	Endangered)	neonate	100	2	Survey, vessel	photo/videography	sampled
						Acoustic, passive recording;	
						Acoustic, sonar for prey mapping;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
	Range-wide					Count/survey; Observations,	
	(NMFS				Survey,	behavioral; Photo-id;	
Whale, fin	Endangered)	All	1500	10	aerial/vessel	Photograph/Video; Sample, exhaled air; Underwater	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						photo/videography	
Whale, fin	Range-wide (NMFS Endangered)	Non- neonate	60	1	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 recieve multiple tags
Whale, gray	Eastern North Pacific	All	1500	20	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	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, gray	Eastern North Pacific	Non- neonate	50	2	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	60	1	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
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	Non- neonate	80	3	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	50 suction cup tags, 30 other tags; maximum of 6 animals may receive multiple tags

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						blubber biopsy; Underwater photo/videography	
Whale, humpback	Eastern North Pacific Stock (NMFS Endangered)	All	2000	10	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	100	2	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	200	5	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	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Alaska Resident Stock	All	200	5	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	300	10	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	10	2	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

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Northern Resident Stock	Non- neonate	5	1	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	
Whale, killer	Eastern North Pacific Offshore Stock	All	500	5	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	20	2	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

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						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-	
	Eastern North	Nan				id; Photograph/Video; Sample,	
Whale, killer	Pacific Offshore Stock	Non- neonate	10	1	Survey, vessel	skin and blubber biopsy; Underwater photo/videography	
vviidie, kiilei	Stock	lieonate	10	1	Survey, vesser	Onderwater photo/videography	
	Eastern North						
	Pacific						
	Southern Resident Stock					Collect, remains for predation	
	(NMFS				Survey,	study; Count/survey; Observations, behavioral; Photo-	
Whale, killer	Endangered)	All	300	10	aerial/vessel	id; Photograph/Video	Level B only
,	<i>,</i>				,		,
						Acoustic, passive recording;	
	Gulf of Alaska,					Collect, remains for predation	
	Aleutian Islands, Bering					study; Collect, sloughed skin; Count/survey; Observations,	
	Sea Transient				Survey,	behavioral; Photo-id;	
Whale, killer	Stock	All	200	5	aerial/vessel	Photograph/Video	
					·		
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin; Count/survey; Observations,	
	West Coast				Survey,	behavioral; Photo-id;	
Whale, killer	Transient Stock	All	300	10	aerial/vessel	Photograph/Video	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin;	
						Count/survey; Observations, behavioral; Photo-id;	
Whale, killer	West Coast Transient Stock	Non- neonate	20	2	Cumiou vocasi	Photograph/Video; Sample, skin and blubber biopsy	Lovel D. L. bioney
Whale, Killer	Transient Stock	пеопасе	20	2	Survey, vessel	and blubber blopsy	Level B + biopsy
						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-	
	West Coast	Non-				id; Photograph/Video; Sample,	
Whale, killer	Transient Stock	neonate	10	1	Survey, vessel	skin and blubber biopsy	
						Acoustic, passive recording;	
						Collect, remains for predation	
\A/l== =	California /Ouas					study; Collect, sloughed skin;	
Whale, Mesoplodon	California/Oreg on/Washington				Survey,	Count/survey; Observations, behavioral; Photo-id;	
beaked	Stocks	All	150	10	aerial/vessel	Photograph/Video	
					,		
						Acoustic, passive recording;	
						Collect, remains for predation	
						study; Collect, sloughed skin;	
Whale,	California/Oraz					Count/survey; Observations,	
Mesoplodon	California/Oreg on/Washington	Non-				behavioral; Photo-id; Photograph/Video; Sample, skin	
beaked	Stocks	neonate	50	2	Survey, vessel	and blubber biopsy	Level B + biopsy

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, Mesoplodon beaked	California/Oreg on/Washington Stocks	Non- neonate	40	1	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/Oreg on/Washington stock	All	200	10	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/Oreg on/Washington stock	Non- neonate	30	2	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	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, minke	California/Oreg on/Washington stock	Non- neonate	30	1	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	250	10	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	30	2	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	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, pilot, short-		Non-				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	30 suction cup tags, 20 other tags; maximum of 4 animals would receive multiple
Whale, pygmy sperm	California/Oreg on/Washington stock	neonate	50	5	Survey, vessel  Survey, aerial/vessel	photo/videography  Acoustic, passive recording; Collect, remains for predation study; Collect, sloughed skin; Count/survey; Observations, behavioral; Photo-id; Photograph/Video	tags
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	All	70	10	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	

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	Non- neonate	20	2	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	
Whale, sei	Eastern North Pacific Stock (NMFS Endangered)	Non- neonate	15	1	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	700	10	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	Range wide chosen because no good boundary between EN Pacific CA-OR- WA stock

SPECIES	LISTING UNIT/STOCK	LIFESTAGE	NUMBER OF ANIMALS	TAKES PER INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
						photo/videography	
						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,	
	Range-wide					exhaled air; Sample, skin and	
Whale,	(NMFS	Non-				blubber biopsy; Underwater	
sperm	Endangered)	neonate	100	2	Survey, vessel	photo/videography	
						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,	40 sustion sun
						suction-cup (e.g., VHF, TDR); Observations, behavioral; Photo-	40 suction cup tags, 20 other tags;
						id; Photograph/Video; Sample,	maximum 4
	Range-wide					exhaled air; Sample, skin and	animals would
Whale,	(NMFS	Non-		٠		blubber biopsy; Underwater	receive multiple
sperm	Endangered)	neonate	60	1	Survey, vessel	photo/videography	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 INDIVIDUAL	PLATFORM	PROCEDURES	DETAILS
Whale, killer	Eastern North Pacific Southern Resident Stock (NMFS Endangered)	All	8500	100	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	
Whale, killer	Range-wide	All	5000	10	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; 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; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	
Whale, fin	Range-wide (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	
Whale, humpback	Range-wide (NMFS Endangered)	All	300	20	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	
Whale, sperm	Range-wide (NMFS Endangered)	All	100	10	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	
Whale, gray	Eastern North Pacific	All	5000	20	Survey, aerial/vessel	Acoustic, passive recording; Observations, behavioral; Collect, remains for predation study; Count/survey; Measure; Photogrammetry; Photo-id; Sample, fecal	

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

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

## 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 INDIVIDUAL	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	200	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