Deep-Set Buoy Gear Exempted Fishing Permit Application Form
Please reference the instructions for specifics on filling out your application.

PFMC

1) Application Date: 2-15-17

2) Applicant(s):

a) Name: WILLIAM DILLER Phone No: (805) 423 - 1741
Email: wdiller911@gmail.com
Address: 4765 CORONADO CIR.
Commercial Fishing Permits Held: GF0632, CALIF. Nearshore, CAL. Rock CRAB

b) Name: _____ Phone No: (_____) _____ - _____
Email: _____
Address: _____
Commercial Fishing Permits Held: _____
***List additional applicants on a separate page.**

3) Number of vessels: 1

a) Vessel Name: T.K.O. Registration Number: 939678
Name of Operator: WILLIAM G. DILLER
Commercial Fishing Permits Held: see above

b) Vessel Name: _____ Registration Number: _____
Name of Operator: _____
Commercial Fishing Permits Held: _____
***List information for additional vessels and operators on a separate page.**

4) Commercial Fishing Experience of EFP Participants:

1a) DSBG - Years: _____ Type of participation: _____
1b) Other Swordfish gear – Type(s): Gill Net, HARPOON
Years: 10 Type of Participation: CAPTAIN, OWNER
1c) Other gear(s) – Type(s): LONGLINE - SABLEFISH, Vertical hookline, TRAWL, CRAB
Years: 45 Type of Participation: OWNER Operator

2a) DSBG - Years: _____ Type of participation: _____
2b) Other Swordfish gear – Type(s): _____
Years: _____ Type of Participation: _____
2c) Other gear(s) – Type(s): _____
Years: _____ Type of Participation: _____
***List information for additional EFP participants on a separate page.**

5) Proposed EFP duration: 2 years
Justification: _____

6) Intended DSBG Configuration: ☒ Standard (Attachment A) ☐ Modified (please explain)

7) Target Species: ☐ Swordfish only ☒ Other (please list):
~~SWORDFISH~~, Opah, Louvar, common Thresher

8) Fishing Area and Effort (indicate all that apply):

a) ☐ Southern California Bight (Point Conception to the U.S.-Mexico Border):
i) Vessels: _____
ii) Estimate of fishing effort: _____
iii) Additional details: _____

b) ☒ Central California (Point Reyes to Point Conception):
i) Vessels: F/V TKO
ii) Estimate of fishing effort: 10 days
iii) Additional details: SANTA LUCIA BANK, SANTA LUCIA ESCARPMENT

c) ☐ Northern California (42° N. latitude to Point Reyes):
i) Vessels: _____
ii) Estimate of fishing effort: _____
iii) Additional details: _____

d) ☐ Oregon (Columbia River to 42° N. latitude):
i) Vessels: _____
ii) Estimate of fishing effort: _____
iii) Additional details: _____

9) Data Gaps: Which of the following data gaps are addressed by your Exempted Fishing Permit application, and how will they be addressed? (See Attachment B) Check all that apply:

a) □ Bycatch & protected species interactions How? Avoid by depth primarily DAY FISHING, BELOW THERMOCLINE

b) □ Active gear tending How? By staying close to ten sets of gear. RADAR REFLECTORS AND POSSIBLE VMS if law allows

c) □ Gear conflicts/number of vessels How? DOUBTFUL THAT THERE WILL BE ANY. RADIO Communications. RADAR, AIS

d) □ DSBG time and area use How? DAYTIME, VICINITY OF SANTA LUCIA BANK AND ESCARPMENT

e) □ Gear configuration How? FOLLOWING ATTACHMENT "A"

f) □ Concurrent gear use How? POSSIBLY SABLEFISH LONGLINE IN THE SAME AREA FOLLOWING THE RETREVAL OF DSBG FOR THE DAY.

10) Reporting Requirements: Please answer questions identified in application instructions.

DETAILED RECORD KEEPING

11) Observer Coverage:

X I acknowledge that observer coverage may be required on up to 100% of my EFP fishing trips, and verify that I am willing and able to cover the cost of such coverage.

If you are unable to cover the entire cost of the observer coverage requirement, please explain what portion you may be able to cover and identify other sources of funding which may be available to help you cover observer costs.

DOING SABLEFISH SUBSEQUENT TO THE DSBG OPERATION WILL HELP COVER OBSERVER COSTS. WILL ALSO PROVIDE FOR ADDITIONAL SABLEFISH DATA BONUS

12) Applicant(s) Signature: William G Miller 2-18-17

Date

Attachment A: Specification of Standard DSBG Configuration

The following description is based on the gear description in the February 1, 2015, PIER EFP application (Agenda Item H.3.a, Attachment 2, March 2016. See also C. A. Sepulveda, C. Heberer, and S. A. Aalbers. 2014. Development and Trial of Deep-set Buoy Gear for Swordfish, *Xiphias gladius*, in the Southern California Bight. *Marine Fisheries Review* 76(4): 28-36.).

DSBG configuration

The DSBG configuration consists of a three-float system which includes two strike-indicator floats (3.2 kg) and one 36 cm diameter (21 kg), non-compressible longline float. The configuration also includes a hi-flyer locator flag and a radar reflector or strobe to prevent gear loss (see diagram below). Collectively, each piece of DSBG includes from 270 to 320 m of monofilament mainline rigged with 1-3 monofilament gangions.

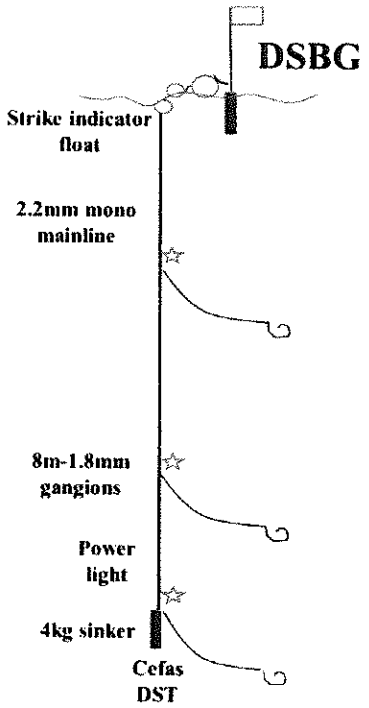

Diagram of Deep-set Buoy Gear Configuration

Gear may contain up to three monofilament gangions branching from the mainline, all of which must be positioned at depths below 100 m (see diagram below). Gangions are to be constructed of monofilament (no-wire) with a single 18/0 circle hook (Mustad model 39960D) baited with either squid or mackerel. Battery-operated illumination may be used at the juncture of the mainline and gangion. One or two of the branching gangions are used to target swordfish at depths between 700 and 1200m. A third optional hook can be fished at >90m to target opah and common thresher shark when available.

One full set of DSBG is defined as 10 individual pieces of gear deployed simultaneously (maximum of 30 hooks/set).

Gear Deployment

DSBG is deployed along a maximum horizontal distance of 6 km. Once deployed, DSBG is continually monitored visually and vessels must remain within the immediate area (<3 nm) of any one piece of gear. All gear must be labelled with the vessel's name, official number, or other designation as specified by NMFS.