

TO: Jessica Taylor, Office of Protected

Resources, NOAA Fisheries

DATE: September 11, 2023

FROM: US Wind, TRC Environmental,

TRC PROJECT NO.: 016310

Marine Acoustics, Inc.

NMFS Comment Responses, Revised Requested Take Tables - Maryland Offshore Wind

SUBJECT: Project LOA

Please see revised tables 6-10, 6-15, 6-16, 6-18, and 6-20 below in response to comments from NMFS received by US Wind on September 7, 2023.



Table 6-10. Maximum Annual Injury (PTS; Cumulative Sound Exposure Levels [SEL] and Peak) and Behavior (Sound Pressure Level [SPL]) Acoustic Exposure and MMPA Level A and Level B Requested Takes of Potentially Affected Marine Mammals in the Buffered Lease Area Associated with the Mitigated (10 dB Sound Reduction Level) Sound Level for Pile Driving of 11-m Monopiles During the Three Years of Construction Planned for the Project; Only Sound Level Attenuation (10 dB) Mitigation Applied.

| Marine Mammal Hearing | Marine Mammal Species | PTS Cumulative Injury SEL Acoustic Exposures | | | PTS Peak Injury Acoustic Exposures | | Behavioral SPL Acoustic Exposures | | | Level A Requested Takes | | | Level B Requested Takes | | | |
|---------------------------------|--|--|-----------|-----------|---------------------------------------|-----------|--------------------------------------|--------|---------|-------------------------|----------------|----------------|----------------------------|-----------------|-----------------|-----------------|
| Group | | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 |
| | Fin whale | 0.39 | 1.16 | 0.68 | 0.00 | 0.00 | 0.00 | 3.94 | 11.57 | 6.83 | 2 | 2 | 2 | 4 | 12 | 7 |
| Low | Common minke whale | 0.49 | 5.55 | 1.11 | 0.00 | 0.00 | 0.00 | 2.96 | 33.31 | 6.66 | 1 | 6 | 2 | 3 | 34 | 7 |
| Frequency Cetaceans | Humpback whale | 0.42 | 1.55 | 0.67 | 0.00 | 0.00 | 0.00 | 2.52 | 9.29 | 4.05 | 2 | 2 | 2 | 3 | 10 | 5 |
| (LFC) | North Atlantic right whale | 0.01 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.06 | 0.24 | 0.08 | 0 ^a | 0 ^a | 0 ^a | 2 | 2 | 2 |
| | Sei whale | 0.01 | 0.12 | 0.02 | 0.00 | 0.00 | 0.00 | 0.11 | 0.83 | 0.17 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Atlantic spotted dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.07 | 38.86 | 50.75 | 0 | 0 | 0 | 24 ^b | 54 ^b | 54 ^b |
| | Blainville's beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Common bottlenose dolphin ¹ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 846.85 | 2320.67 | 1711.04 | 0 | 0 | 0 | 847 | 2,321 | 1,712 |
| | Cuvier's beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Gervais' beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mid- | Killer whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.15 | 0 | 0 | 0 | 0° | 0° | 0c |
| frequency Cetaceans (MFC) | Long-finned and short- finned pilot whales ^d | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 27 ^e | 27 ^e | 27 ^e |
| (WFC) | Pantropical spotted dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.45 | 0.31 | 0 | 0 | 0 | 5 | 5 | 5 |
| | Risso's dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 4.33 | 1.94 | 0 | 0 | 0 | 9 | 9 | 9 |
| | Rough toothed dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.08 | 0 | 0 | 0 | 0° | 0° | 0c |
| | Short-beaked common dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.63 | 233.12 | 96.48 | 0 | 0 | 0 | 29 | 234 | 97 |
| | Sperm whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |



Table 6-10. Maximum Annual Injury (PTS; Cumulative Sound Exposure Levels [SEL] and Peak) and Behavior (Sound Pressure Level [SPL]) Acoustic Exposure and MMPA Level A and Level B Requested Takes of Potentially Affected Marine Mammals in the Buffered Lease Area Associated with the Mitigated (10 dB Sound Reduction Level) Sound Level for Pile Driving of 11-m Monopiles During the Three Years of Construction Planned for the Project; Only Sound Level Attenuation (10 dB) Mitigation Applied.

| Marine Mammal Hearing | Marine Mammal Species | PTS Cumulative Injury SEL Acoustic Exposures | | | PTS Peak Injury Acoustic Exposures | | Behavioral SPL Acoustic Exposures | | | <u>Leve</u> | l A Reque Takes | ested | Level B Requested Takes | | | |
|---|------------------------------------|--|-----------|-----------|---------------------------------------|-----------|--------------------------------------|--------|--------|-------------|--------------------|-----------|----------------------------|-----------|-----------|-----------|
| Group | | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 | Year 1 | Year 2 | Year 3 |
| | Striped dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.45 | 0.31 | 0 | 0 | 0 | 0° | 0с | 0° |
| | True's beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| High | Harbor porpoise | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 0.01 | 0.03 | 15.83 | 0.08 | 0 | 3 | 3 | 3 | 16 | 3 |
| Frequency Cetaceans | Dwarf sperm whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| (HFC) | Pygmy sperm whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 |
| Phocid Pinnipeds Underwater (PW) | Harbor and Gray seals ^d | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.87 | 234.31 | 30.02 | 0 | 0 | 0 | 18 | 235 | 31 |

¹Two stocks of common bottlenose dolphin (the Western North Atlantic migratory coastal stock and the Western North Atlantic offshore stock) may occur in the Project area. Both stocks are presented together here.

^a Given the efficacy of the planned mitigation, no takes by MMPA Level A are requested for the North Atlantic right whale

^b Requested takes for Atlantic spotted dolphins for 11-m monopile driving activities are based upon the assumption that 4 groups will be observed during year 1, and 9 groups will be observed during years 2 and 3.

^o No takes are being requested for killer whales, rough-toothed dolphins, and striped dolphins due to their limited occurrence within the Project area.

^d Exposure estimates and requested takes presented for pilot whale and seal quilds, as requested by NMFS

^e Requested take for pilot whales for 11-m monopile driving activities are based upon the assumption that one group of each species would be observed during each year. Group size for long-finned pilot whale: 16 individuals, group size for short-finned pilot whale: 11 individuals.



Table 6-15. Calculated Level B Takes of Marine Mammals by Acoustic Harassment due to MicroSiting HRG Survey Activities, Second Construction Campaign, Daylight-only Operations.

| Hearing Group | Common Name | Best Abundance Estimate of Stock | Month of Max Density | Calculated Level B Exposures | Max Percentage of Stock Impacted ^a | Level B Requested Takes |
|------------------|---|---|----------------------------|------------------------------------|--|-------------------------------|
| | North Atlantic right whale | 338 | Feb | 0.1 | 0.035 | 0 _p |
| | Fin whale | 6,802 | Jan | 0.3 | 0.005 | 0 _p |
| LF Cetaceans | Humpback whale | 1,393 | Apr | 0.3 | 0.021 | 0 _p |
| Cotaccano | Minke whale | 21,968 | May | 1.2 | 0.005 | 2 |
| | Sei whale | 6,292 | Apr | 0.1 | 0.002 | O _p |
| | Atlantic spotted dolphinc | 39,921 | Aug | 2.3 | 0.0059 | 6 |
| | Bottlenose dolphin | 69,490 | Aug | 32.1 | 0.046 | 33 |
| | Killer whale | UNK | N/A | 0.0 | UNK | 0 |
| | Long-finned and short- finned pilot whale ^d | 68,139 | N/A | 0.02 | 0.000 | Ор |
| | Pantropical spotted dolphin | 6,593 | N/A | 0.0 | 0.000 | 0 |
| | Risso's dolphin | 35,215 | Dec | 0.3 | 0.0007 | 0 _p |
| MF | Rough toothed dolphin | 136 | N/A | 0.0 | 0.002 | 0 |
| Cetaceans | Short-beaked common dolphin | 172,974 | Dec | 12.4 | 0.007 | 13 |
| | Striped dolphin | 67,036 | N/A | 0.0 | 0.000 | 0 |
| | Sperm Whale | 4,349 | May | 0.0 | 0.000 | 0 |
| | Blainville's beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| | Cuvier's beaked whale | 5,744 | N/A | 0.0 | 0.000 | 0 |
| | Gervais' beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| | True's beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| HF | Harbor porpoise | 95,543 | Jan | 5.7 | 0.006 | 6 |
| Cetaceans | Kogia sp. | UNK | N/A | 0.0 | UNK | 0 |
| Pinnepeds | Harbor and Gray seal ^d | 88,636 | Jan | 26.4 | 0.030 | 27 |

UNK: no stock abundance estimate available

N/A: only annual density data available

^a Based upon calculated Level B Exposures

^b No MMPA Level B takes are requested during HRG survey activities due to the efficacy of planned mitigation and the short duration of these activities.

^c Two stocks of common bottlenose dolphin (the Western North Atlantic migratory coastal stock and the Western North

Atlantic offshore stock) may occur in the Project area. Both stocks are presented together here. d Exposure estimates and requested takes presented for pilot whale and seal guilds, as requested by NMFS



Table 6-16. Calculated Level B Takes of Marine Mammals by Acoustic Harassment due to MicroSiting HRG Survey Activities, Third Construction Campaign, Daylight-only Operations.

| | | Best | | | Max | " |
|------------------|---|-----------------------------------|----------------------------|------------------------------------|---|-------------------------------|
| Hearing Group | Common Name | Abundance Estimate of Stock | Month of Max Density | Calculated Level B Exposures | Percentage of Stock Impacted ^a | Level B Requested Takes |
| | North Atlantic right whale | 338 | Feb | 0.1 | 0.035 | Ор |
| | Fin whale | 6,802 | Jan | 0.3 | 0.005 | Ор |
| LF Cetaceans | Humpback whale | 1,393 | Apr | 0.3 | 0.021 | O _p |
| Cotaccano | Minke whale | 21,968 | May | 1.2 | 0.005 | 2 |
| | Sei whale | 6,292 | Apr | 0.1 | 0.002 | O _p |
| | Atlantic spotted dolphin ^c | 39,921 | Aug | 2.3 | 0.0059 | 6 |
| | Bottlenose dolphin | 69,490 | Aug | 32.1 | 0.046 | 33 |
| | Killer whale | UNK | N/A | 0.0 | UNK | 0 |
| | Long-finned and short- finned pilot whale ^d | 68,139 | N/A | 0.02 | 0.000 | Op |
| | Pantropical spotted dolphin | 6,593 | N/A | 0.0 | 0.000 | 0 |
| | Risso's dolphin | 35,215 | Dec | 0.3 | 0.0007 | 0 _p |
| MF | Rough toothed dolphin | 136 | N/A | 0.0 | 0.002 | 0 |
| Cetaceans | Short-beaked common dolphin | 172,974 | Dec | 12.4 | 0.007 | 13 |
| | Striped dolphin | 67,036 | N/A | 0.0 | 0.000 | 0 |
| | Sperm Whale | 4,349 | May | 0.0 | 0.000 | 0 |
| | Blainville's beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| | Cuvier's beaked whale | 5,744 | N/A | 0.0 | 0.000 | 0 |
| | Gervais' beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| | True's beaked whale | 10,107 | N/A | 0.0 | 0.000 | 0 |
| HF | Harbor porpoise | 95,543 | Jan | 5.7 | 0.006 | 6 |
| Cetaceans | Kogia sp. | UNK | N/A | 0.0 | UNK | 0 |
| Pinnepeds | Harbor and Gray seal ^d | 88,636 | Jan | 26.4 | 0.030 | 27 |

UNK: no stock abundance estimate available

N/A: only annual density data available

^a Based upon calculated Level B Exposures

^b No MMPA Level B takes are requested during HRG survey activities due to the efficacy of planned mitigation and the short duration of these activities.

^c Two stocks of common bottlenose dolphin (the Western North Atlantic migratory coastal stock and the Western North Atlantic offshore stock) may occur in the Project area. Both stocks are presented together here.

d Exposure estimates and requested takes presented for pilot whale and seal guilds, as requested by NMFS



Table 6-18. Maximum Annual MMPA Level A and Level B Acoustic Exposure and MMPA Level A and Level B Requested Takes of Potentially Affected Marine Mammals in the Buffered Lease Area Resulting from Acoustic Exposure During Mitigated (10 dB Sound Reduction Level) Impact Pile Driving (Monopile, Skirt Pile, and Pin Pile) and Micro-Siting HRG Survey Activities During Each Year of

the Planned Construction and Survey Activities for the Project.

| | Marine Mammal Species | Injury SEL | | | | | | Behavior SPL | | | | | Level A Requested Takes | | | | | Level B Requested Takes | | | | |
|----------------------------|---|--------------|--------------|-------------|--------------|---|--------------|--------------|-------------|--------------|-------------|--------------|-------------------------|-------------|----------------|-------------|-----------------|-------------------------|----------------|------------------------|----------------|--|
| Marine | | Year 1 | > | rear z | | 2 | Year 1 | Year 2 | | Year 3 | | Year 1 | 3 | rear z | 3 | rear s | Year 1 | Year 2 | | Year 3 | 1 | |
| Mammal Hearing Group | | Pile Driving | Pile Driving | HRG Surveys | Pile Driving | HRG Surveys | Pile Driving | Pile Driving | HRG Surveys | Pile Driving | HRG Surveys | Pile Driving | Pile Driving | HRG Surveys | Pile Driving | HRG Surveys | Pile Driving | Pile Driving | HRG Surveys | Pile Driving | HRG Surveys | |
| | Fin whale | 0.39 | 1.16 | 0.00 | 0.68 | 0.00 | 3.97 | 11.65 | 0.3 | 6.86 | 0.3 | 2 | 2 | 0 | 2 | 0 | 6 | 16 | 0 ^a | 9 | 0 ^a | |
| Low | Common Minke whale | 0.49 | 5.55 | 0.00 | 1.11 | 0.00 | 3.00 | 33.39 | 1.2 | 6.70 | 1.2 | 1 | 6 | 0 | 2 | 0 | 4 | 36 | 2 | 8 | 2 | |
| Frequency | Humpback whale | 0.42 | 1.55 | 0.00 | 0.67 | 0.00 | 2.54 | 9.33 | 0.3 | 4.06 | 0.3 | 2 | 2 | 0 | 2 | 0 | 5 | 14 | 0 ^a | 7 | 0 ^a | |
| Cetaceans | North Atlantic right whale | 0.01 | 0.05 | 0.00 | 0.02 | 0.00 | 0.06 | 0.24 | 0.1 | 0.08 | 0.1 | Ор | O _p | 0 | O _p | 0 | 2 | 2 | 0ª | 2 | 0 ^a | |
| | Sei whale | 0.01 | 0.12 | 0.00 | 0.02 | 0.00 | 0.11 | 0.83 | 0.1 | 0.17 | 0.1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 ^a | 1 | 0 ^a | |
| | Atlantic spotted dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.24 | 39.21 | 2.3 | 50.92 | 2.3 | 0 | 0 | 0 | 0 | 0 | 30° | 60° | 6 | 60° | 6 | |
| | Blainville's beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Common Bottlenose dolphin ^d | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 856.38 | 2341.64 | 32.10 | 1720.57 | 32.10 | 0 | 0 | 0 | 0 | 0 | 859 | 2353 | 33 | 1724 | 33 | |
| Mid- | Cuvier's beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Frequency | Gervais' beaked whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Cetaceans | Killer whale | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.00 | 0.15 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0e | 0 ^e | 0 | 0 ^e | 0 | |
| | Long-finned and short- finned pilot whale ^f | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0 | 0 | 0 | 0 | 0 | 27 ^g | 27 ^g | 0 | 27 ^g | 0 | |
| | Pantropical spotted dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.45 | 0.00 | 0.31 | 0.00 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 5 | 0 | |
| | Risso's dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 4.36 | 0.3 | 1.95 | 0.3 | 0 | 0 | 0 | 0 | 0 | 18 | 18 | 0 ^a | 18 | 0 ^a | |
| | Rough toothed dolphin | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.00 | 0.08 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 ^e | 0 ^e | 0 | 0 ^e | 0 | |



Table 6-18. Maximum Annual MMPA Level A and Level B Acoustic Exposure and MMPA Level A and Level B Requested Takes of Potentially Affected Marine Mammals in the Buffered Lease Area Resulting from Acoustic Exposure During Mitigated (10 dB Sound Reduction Level) Impact Pile Driving (Monopile, Skirt Pile, and Pin Pile) and Micro-Siting HRG Survey Activities During Each Year of the Planned Construction and Survey Activities for the Project.

Injury SEL Behavior SPL Level A Requested Takes Level B Requested Takes Year Year Year Year Year Year Year Year Year Marine Mammal **Marine Mammal** Surveys Surveys Surveys Hearing Species Surveys Surveys Surveys Surveys Driving Driving HRG Surveys Driving Driving Driving Driving Driving Driving Pile Driving Pile Driving Pile Driving Pile Driving Group HRG Pile HRG HRG (HRG Pile Pile HRG HRG Pile Pile Pile Pile Short-beaked common 0 0 13 0.00 0.00 0.00 0.00 0.00 29.20 234.44 12.4 97.06 12.4 36 248 13 104 dolphin Mid-0.00 Sperm whale 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0 0 0 0 0 0 0 Frequency 0.00 0^e 0e Striped dolphin 0.00 0.00 0.00 0.00 0.17 0.45 0.00 0.31 0.00 0 Ωe 0 0 Cetaceans True's beaked whale 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0.00 0.00 0 0 0 0 0 0 0 0.00 0.00 15.83 Harbor porpoise 1.19 0.00 0.01 0.03 5.7 0.09 5.7 0 3 3 0 3 16 3 6 Hiah 0.00 Dwarf sperm whale 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0 0 0 0 0 Frequency Cetaceans 0.00 Pvgmv sperm whale 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0 0 Pinnipeds in Harbor and Gray seal e 0.00 0.00 0.00 0.00 234.56 26.4 30.1 0 0 0 0 19 237 27 32 27 0.00 17.95 26.4

^a No MMPA Level B takes of fin whale, humpback whale, NARW, sei whale, or Risso's dolphin are requested during HRG survey activities, due to the efficacy of the planned mitigation and the short duration of these activities.

^b Given the efficacy of the planned mitigation, no takes by MMPA Level A are requested for the North Atlantic right whale.

^c Requested MMPA Level B takes for Atlantic spotted dolphins for pile driving activities are based upon the assumption that a total of 5 groups will be observed during year 1, and a total of 10 groups will be observed during each of years 2 and 3.

^d Two stocks of common bottlenose dolphin (the Western North Atlantic migratory coastal stock and the Western North Atlantic offshore stock) may occur in the Project area. Both stocks are presented together here.

e No takes are being requested for killer whales, rough-toothed dolphins, and striped dolphins due to their limited occurrence within the Project area.

f Exposure estimates and requested takes presented for pilot whale and seal guilds, as requested by NMFS

⁹ Requested take for pilot whales for 11-m monopile driving activities are based upon the assumption that one group would be observed during each year.



Table 6-20. Total Requested MMPA Level A (PTS Cumulative and Peak) and Level B (Behavior) Harassment Takes Associated with Acoustic Exposure During Mitigated (10 dB Sound Reduction Level) Impact Pile Driving (Monopile, Skirt Pile, and Pin Pile) and Micro-Siting HRG Survey Activities for the Full Duration of the Construction and Survey Periods for the Project; Harassment Takes Rounded Upwards to Nearest Whole Integer.

| Marine Mammal Hearing Group | Marine Mammal Species | Abundance ¹ | MMPA Level A Harassment Requested | Percent of Stock Affected | MMPA Level B (Behavior) Harassment Requested | Percent of Stock Affected | |
|--------------------------------------|---|------------------------|--------------------------------------|------------------------------|---|------------------------------|--|
| | Fin whale | 6,802 | 6 | 0.088 | 31 | 0.456 | |
| | Common minke whale | 21,968 | 9 | 0.041 | 52 | 0.237 | |
| Low Frequency | Humpback whale | 1,396 | 6 | 0.430 | 26 | 1.862 | |
| Cetaceans | North Atlantic right whale | 338 | 0 | 0.000 | 6 | 1.775 | |
| | Sei whale | 6,292 | 3 | 0.048 | 3 | 0.048 | |
| | Atlantic spotted dolphin | 39,921 | 0 | 0.000 | 162 | 0.406 | |
| | Common Bottlenose dolphin² | 69,490 | 0 | 0.000 | 5002 | 7.198 | |
| Mid- | Pantropical spotted dolphin 6,593 | | 0 | 0.000 | 15 | 0.228 | |
| Frequency Cetaceans | Risso's dolphin | 35,215 | 0 | 0.000 | 54 | 0.153 | |
| (MFC) | Short-beaked common dolphin | 1 1/2 4// | | 0.000 | 414 | 0.239 | |
| | Long-finned and short-finned pilot whales | 68,139ª | 0 | 0.000 | 81 | 0.119 | |
| High Frequency Cetaceans | Harbor porpoise | 95,543 | 6 | 0.006 | 34 | 0.036 | |
| Pinnipeds in Water | Harbor and Gray seal | 88,636 ^b | 0 | 0.000 | 342 | 0.386 | |

¹Hayes et al. 2022, 2021, 2020, 2019; Waring et al. 2015; UNK=unknown

²Two stocks of common bottlenose dolphin (the Western North Atlantic migratory coastal stock and the Western North Atlantic offshore stock) may occur in the Project area. Both stocks are presented together here.

^a Sum of long-finned pilot whale and short-finned pilot whale abundances.

^b Sum of harbor seal and gray seal abundances.