APPENDIX J: Protected Species Observing Distances

Approximate Distances for Protected Species Observing

Using Pythagorean theorem to obtain an estimate of observing distances we use: \( A^2 = C^2 - B^2 \)

Shallow set at 10 fathoms (60 feet):
\[ A^2 = (650^2 - 60^2) \]
\[ A^2 = 647 \text{ feet (215 yards)} \]

Deep set at 35 fathoms (210 feet):
\[ A^2 = (650^2 - 210^2) \]
\[ A^2 = 615 \text{ feet (205 yards)} \]

\( A^2 = \) Approximate observation distance will be between 615 feet and 647 feet.

\( B^2 = \) Approximate depth of tows between 60 feet (10 fathoms) and 210 feet (35 fathoms).

\( C^2 = \) Approximate maximum distance is 650 feet (100 fathoms of wire plus trawl length to codend is another 50 feet).