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- Decision tree structure for species classification:
- Root Split: Year < 1998 (Left) vs Year >= 1998 (Right)
    - Left Branch (Year < 1998): Leaf 2 (Benthosema)
    - Right Branch (Year >= 1998): Split on Lon >= -112.9 (Left) vs Lon < -112.9 (Right)
      - Left Sub-branch (Lon >= -112.9): Split on TripSetNo >= 3.5 (Left) vs TripSetNo < 3.5 (Right)
        - Left Sub-sub-branch (TripSetNo >= 3.5): Split on TripSetNo < 7.5 (Left) vs TripSetNo >= 7.5 (Right)
          - Left Sub-sub-sub-branch (TripSetNo < 7.5): Leaf 24 (F\_Engraulis)
          - Right Sub-sub-sub-branch (TripSetNo >= 7.5): Split on Length >= 21.95 (Left) vs Length < 21.95 (Right)
            - Left Sub-sub-sub-sub-branch (Length >= 21.95): Split on Lat >= 27.24 (Left) vs Lat < 27.24 (Right)
              - Left Sub-sub-sub-sub-sub-branch (Lat >= 27.24): Split on TripSetNo < 27.38 (Left) vs TripSetNo >= 27.38 (Right)
                - Left Sub-sub-sub-sub-sub-sub-branch (TripSetNo < 27.38): Split on Year >= 2010 (Left) vs Year < 2010 (Right)
                  - Left Sub-sub-sub-sub-sub-sub-sub-branch (Year >= 2010): Split on Length >= 41.9 (Left) vs Length < 41.9 (Right)
                    - Left Sub-sub-sub-sub-sub-sub-sub-sub-branch (Length >= 41.9): Leaf 400 (Pterygoteuthis)
                    - Right Sub-sub-sub-sub-sub-sub-sub-sub-branch (Length < 41.9): Leaf 201 (Pterygoteuthis)
                  - Right Sub-sub-sub-sub-sub-sub-sub-branch (Year < 2010): Split on TripSetNo < 100.5 (Left) vs TripSetNo >= 100.5 (Right)
                    - Left Sub-sub-sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo < 100.5): Leaf 802 (F\_Benthosema)
                    - Right Sub-sub-sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo >= 100.5): Leaf 803 (F\_Benthosema)
                - Right Sub-sub-sub-sub-sub-branch (Lat < 27.24): Split on TripSetNo < 102.5 (Left) vs TripSetNo >= 102.5 (Right)
                  - Left Sub-sub-sub-sub-sub-sub-branch (TripSetNo < 102.5): Leaf 808 (F\_Benthosema)
                  - Right Sub-sub-sub-sub-sub-sub-branch (TripSetNo >= 102.5): Leaf 1618 (F\_Benthosema)
              - Right Sub-sub-sub-sub-branch (Length < 21.95): Split on TripSetNo < 25.5 (Left) vs TripSetNo >= 25.5 (Right)
                - Left Sub-sub-sub-sub-sub-branch (TripSetNo < 25.5): Split on Length >= 18.45 (Left) vs Length < 18.45 (Right)
                  - Left Sub-sub-sub-sub-sub-sub-branch (Length >= 18.45): Split on TripSetNo < 98.5 (Left) vs TripSetNo >= 98.5 (Right)
                    - Left Sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo < 98.5): Split on Year >= 2010 (Left) vs Year < 2010 (Right)
                      - Left Sub-sub-sub-sub-sub-sub-sub-sub-branch (Year >= 2010): Leaf 204 (F\_Benthosema)
                      - Right Sub-sub-sub-sub-sub-sub-sub-sub-branch (Year < 2010): Leaf 205 (F\_Benthosema)
                    - Right Sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo >= 98.5): Split on Lon < -112.3 (Left) vs Lon >= -112.3 (Right)
                      - Left Sub-sub-sub-sub-sub-sub-sub-sub-sub-branch (Lon < -112.3): Leaf 412 (F\_Benthosema)
                      - Right Sub-sub-sub-sub-sub-sub-sub-sub-sub-branch (Lon >= -112.3): Leaf 207 (F\_Benthosema)
                  - Right Sub-sub-sub-sub-sub-branch (TripSetNo >= 25.5): Split on Year >= 2010 (Left) vs Year < 2010 (Right)
                    - Left Sub-sub-sub-sub-sub-sub-branch (Year >= 2010): Split on TripSetNo < 103.5 (Left) vs TripSetNo >= 103.5 (Right)
                      - Left Sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo < 103.5): Leaf 826 (F\_Benthosema)
                      - Right Sub-sub-sub-sub-sub-sub-sub-branch (TripSetNo >= 103.5): Leaf 827 (F\_Benthosema)
                    - Right Sub-sub-sub-sub-sub-sub-branch (Year < 2010): Leaf 203 (F\_Benthosema)

**Variable Importance**

