Appendix A. Boxplots of Dependence on Illex (Revenues) for Requalification Options

Figure A1. 1997-2019/50K Option Dependencies.

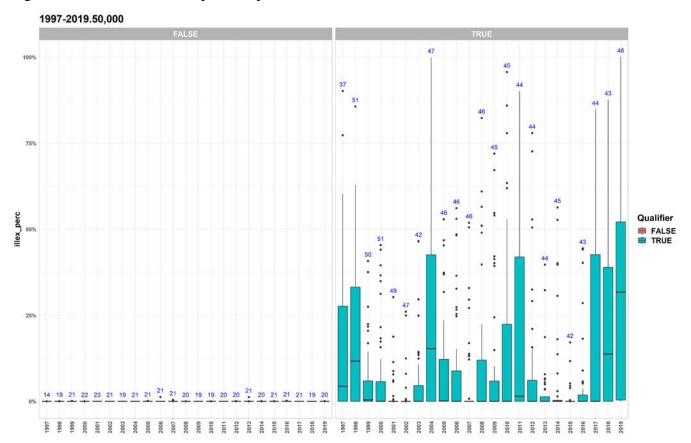


Figure A2. 1997-2019/100K Option Dependencies.

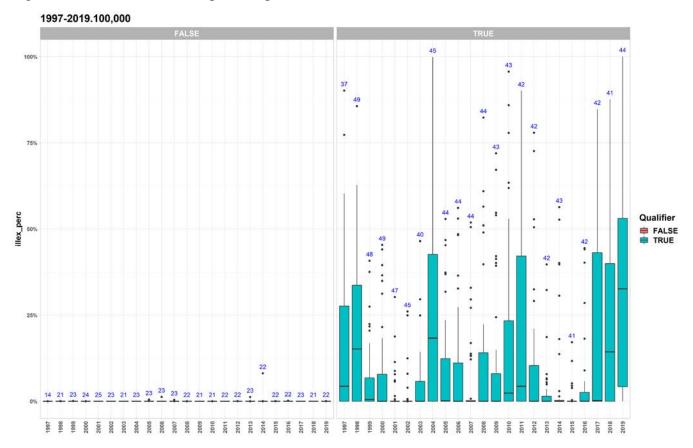


Figure A3. 1997-2019/48K Trip Option Dependencies.

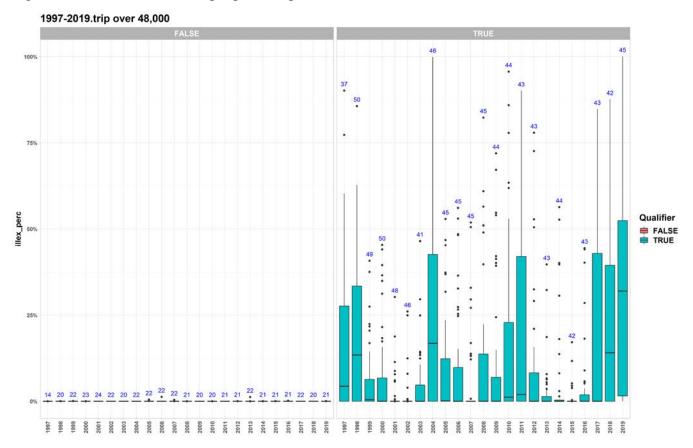


Figure A4. 1997-2019/300K Option Dependencies.

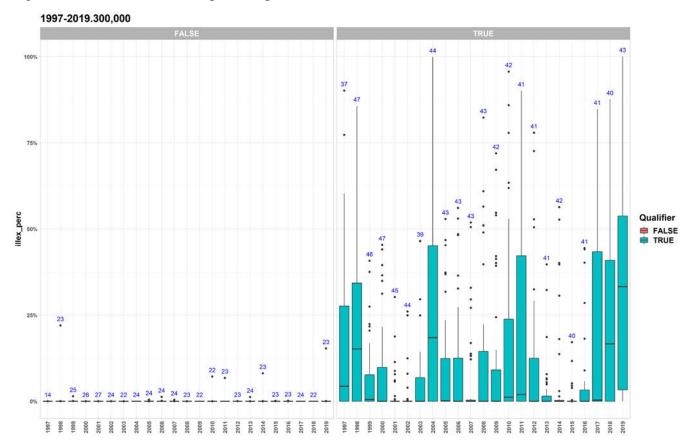


Figure A5. 1997-2019/500K Option Dependencies.

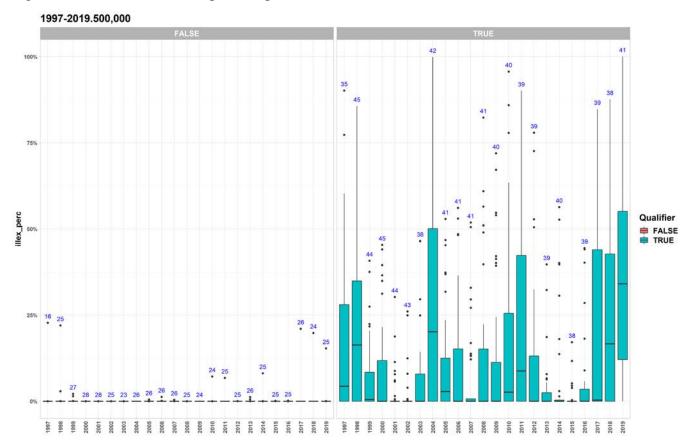


Figure A6. 1997-2019/1,000,000 Option Dependencies.

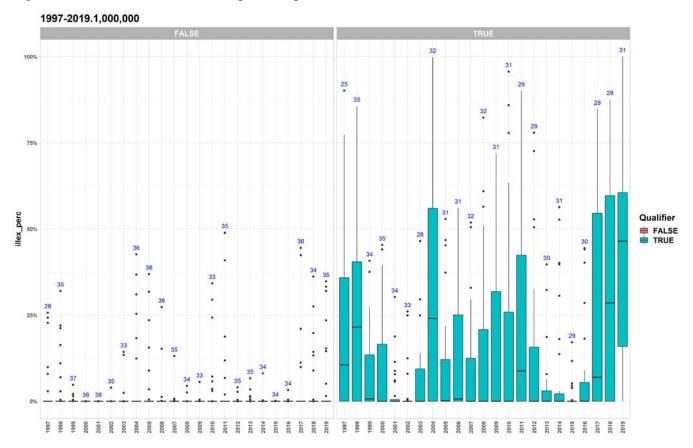


Figure A7. 1997-2019/95% Option Dependencies.

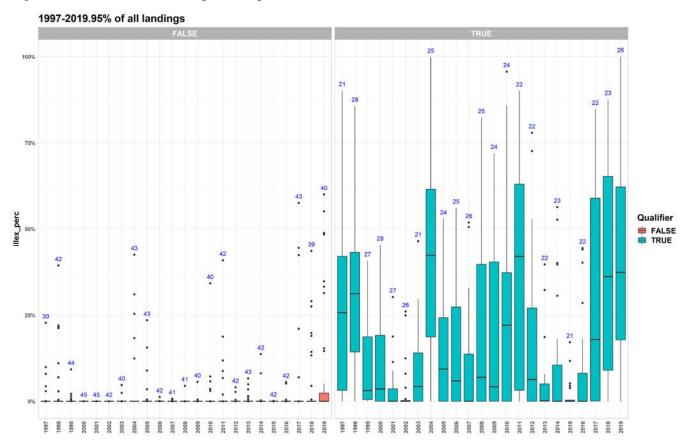


Figure A8. 1997-2018/50K Option Dependencies.

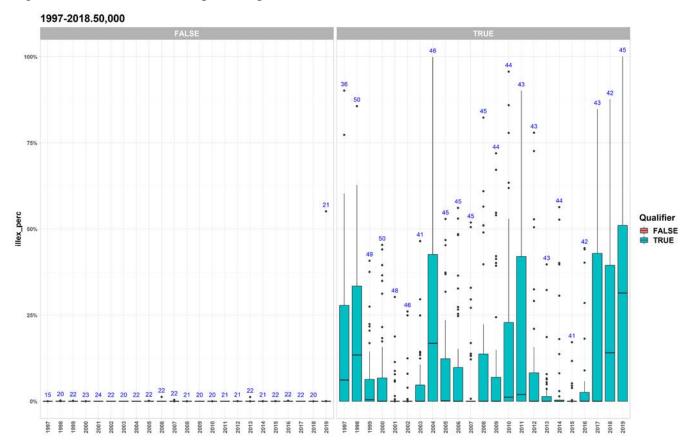


Figure A9. 1997-2018/100K Option Dependencies.

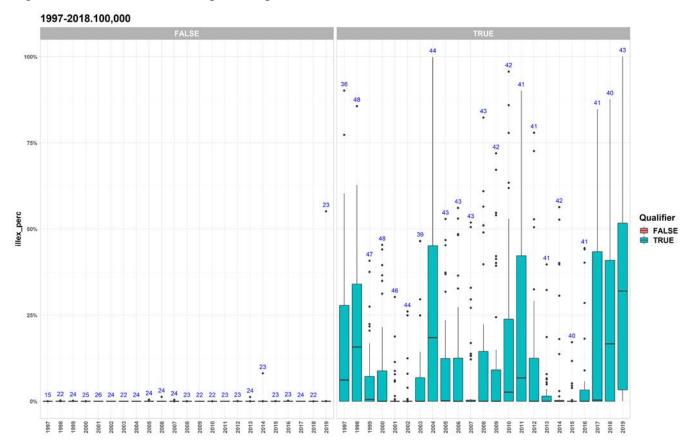


Figure A10. 1997-2018/48K Trip Option Dependencies.

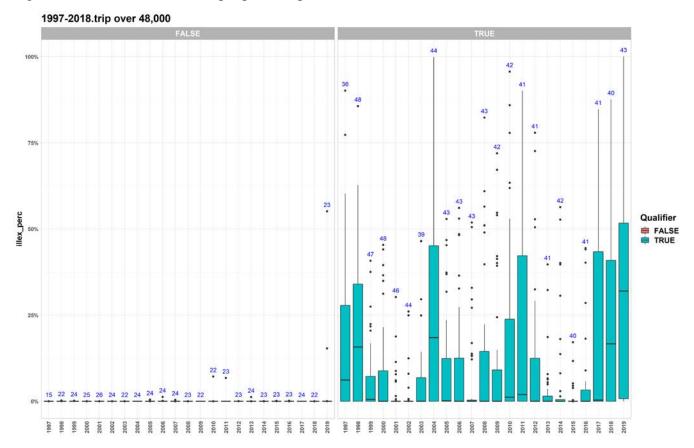


Figure A11. 1997-2018/300K Trip Option Dependencies.

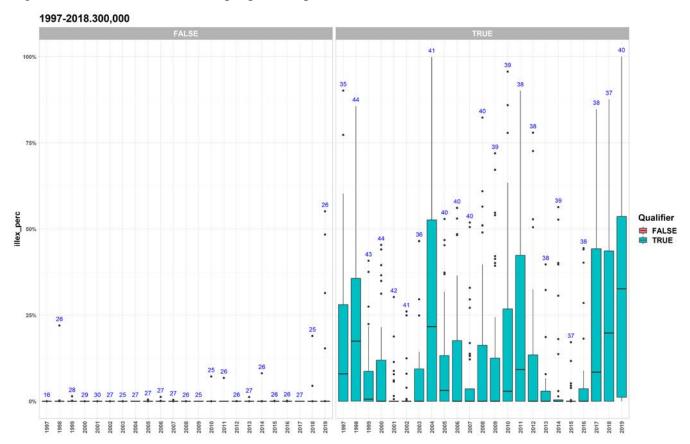


Figure A12. 1997-2018/500K Option Dependencies.

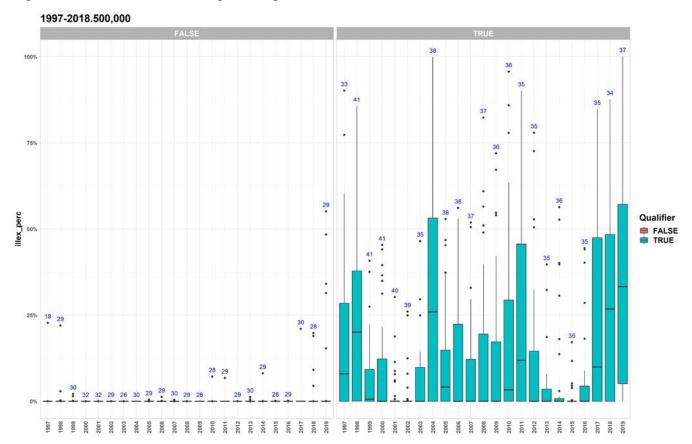


Figure A13. 1997-2018/1,000,000 Option Dependencies.

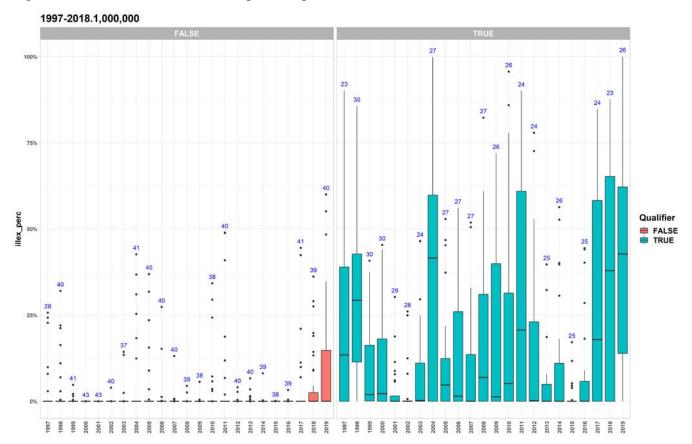


Figure A14. 1997-2018/95% Option Dependencies.

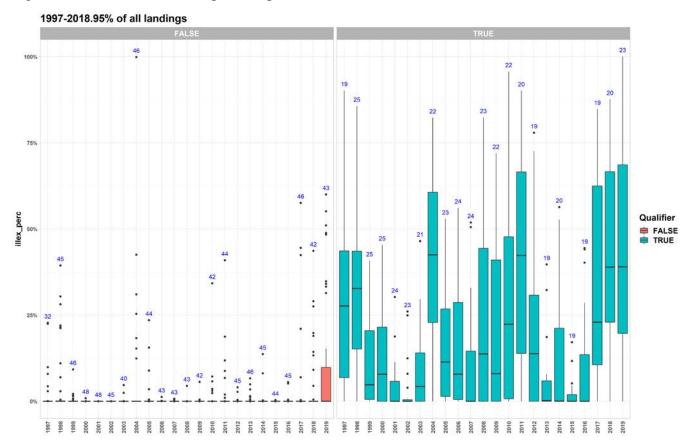


Figure A15. 1997-2013/50K Option Dependencies.

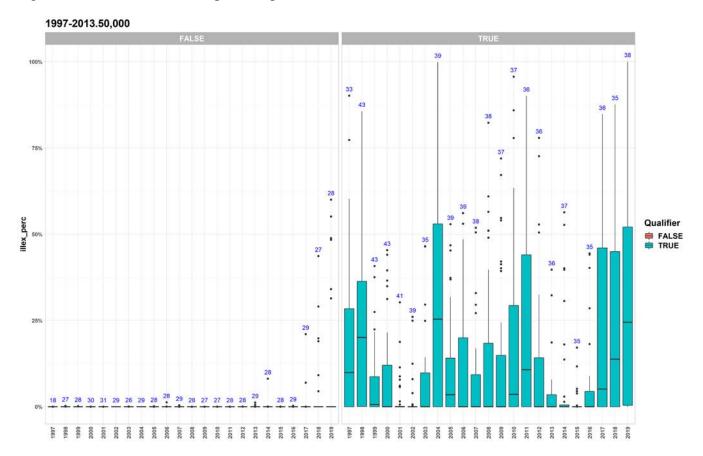


Figure A16. 1997-2013/100K Option Dependencies.

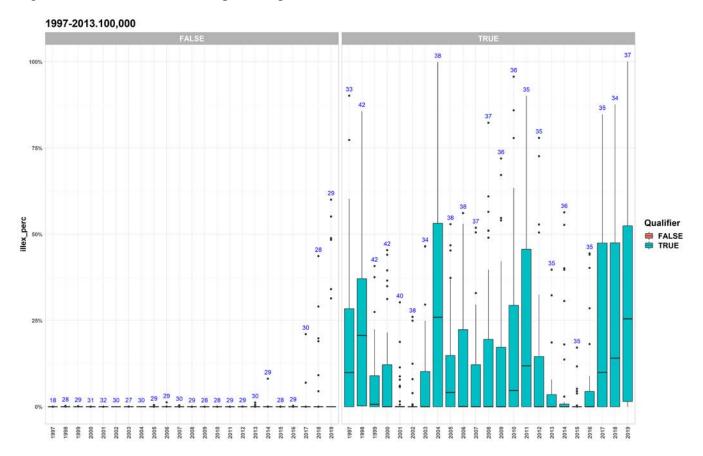


Figure A17. 1997-2013/48K Trip Option Dependencies.

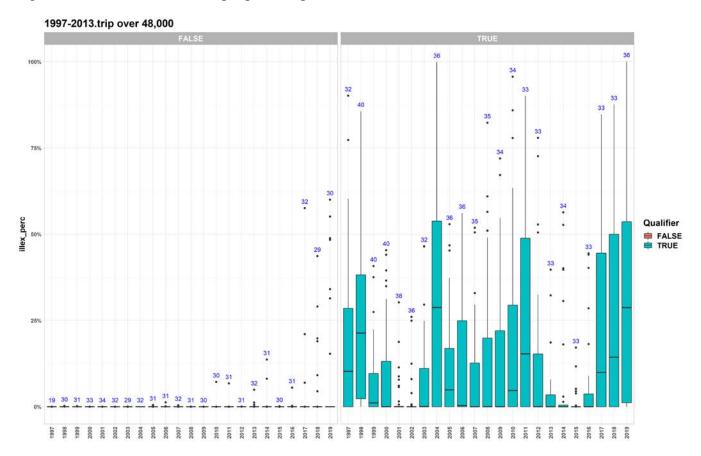


Figure A18. 1997-2013/300K Option Dependencies.

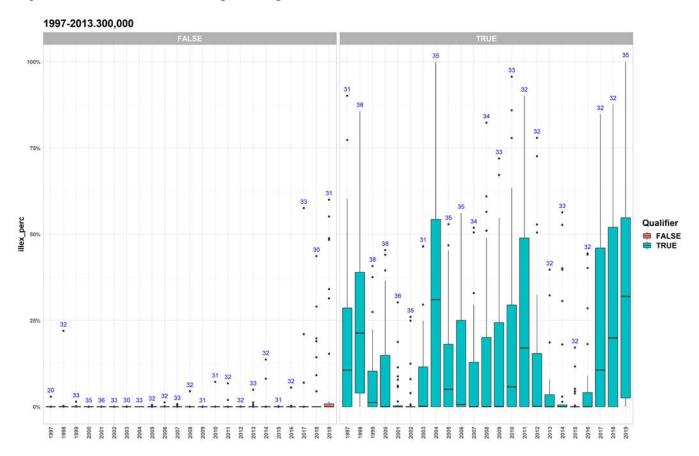


Figure A19. 1997-2013/500K Option Dependencies.

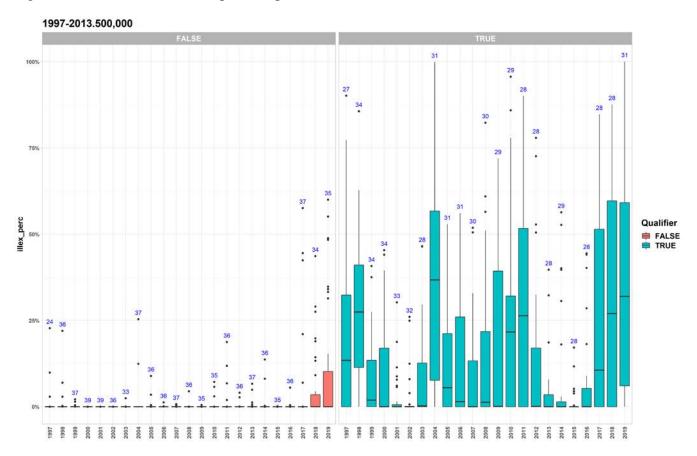


Figure A20. 1997-2013/1,000,000 Option Dependencies.

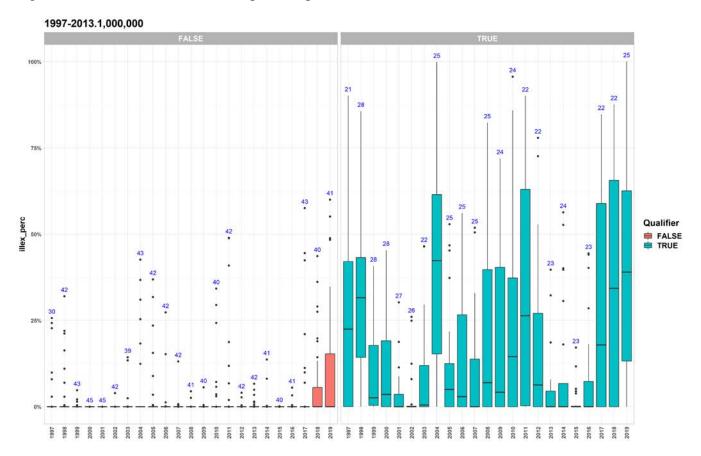


Figure A21. 1997-2013/95% Option Dependencies.

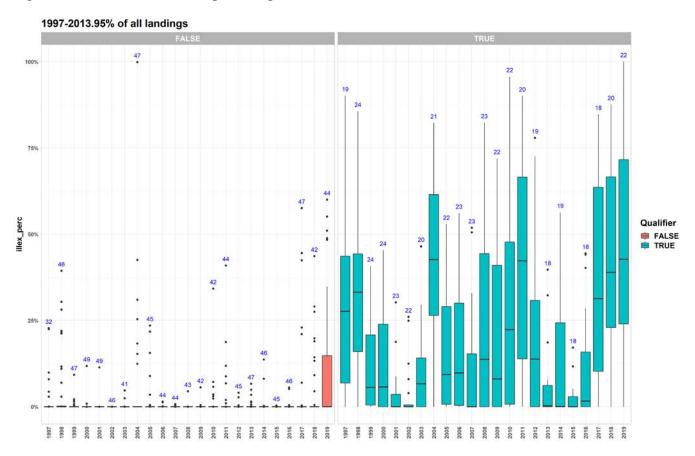


Figure A22. 2004-2013/50K Option Dependencies.

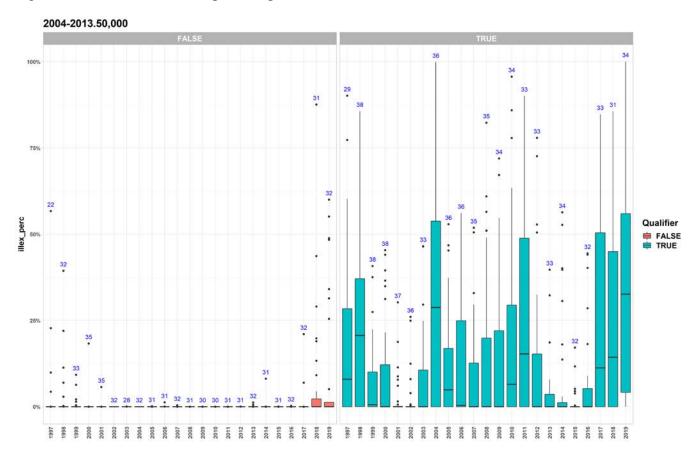


Figure A23. 2004-2013/100K Option Dependencies.

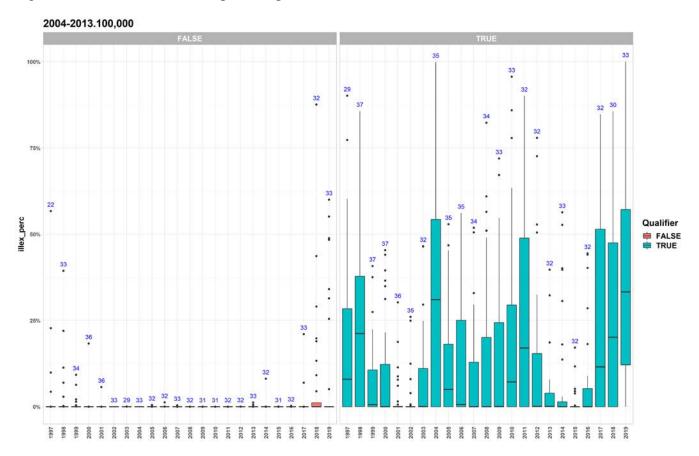


Figure A24. 2004-2013/48K Trip Option Dependencies.

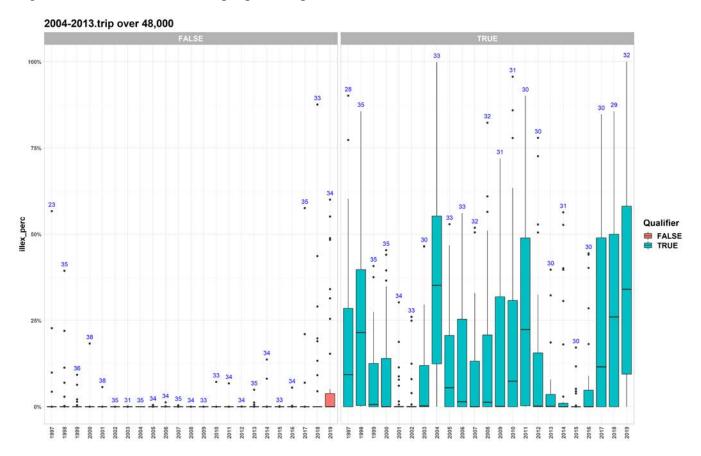


Figure A25. 2004-2013/300K Option Dependencies.

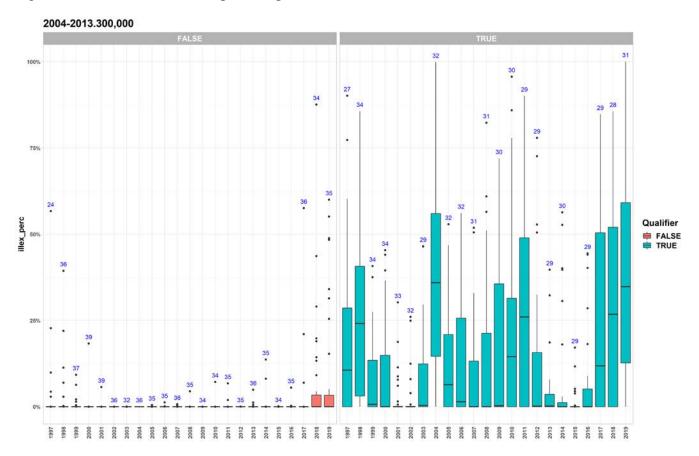


Figure A26. 2004-2013/500K Option Dependencies.

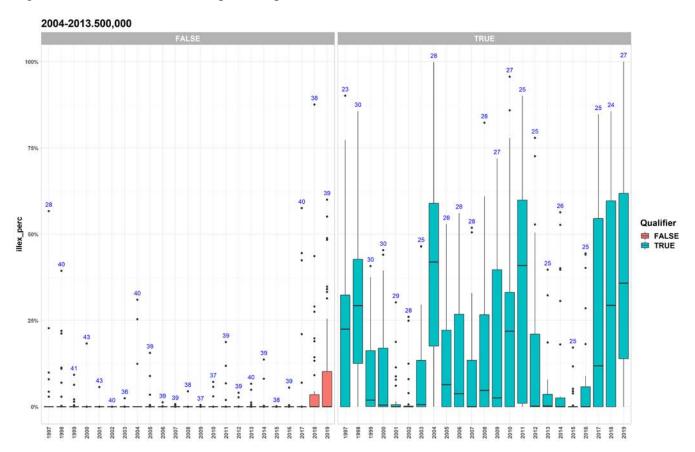


Figure A27. 2004-2013/1,000,000 Option Dependencies.

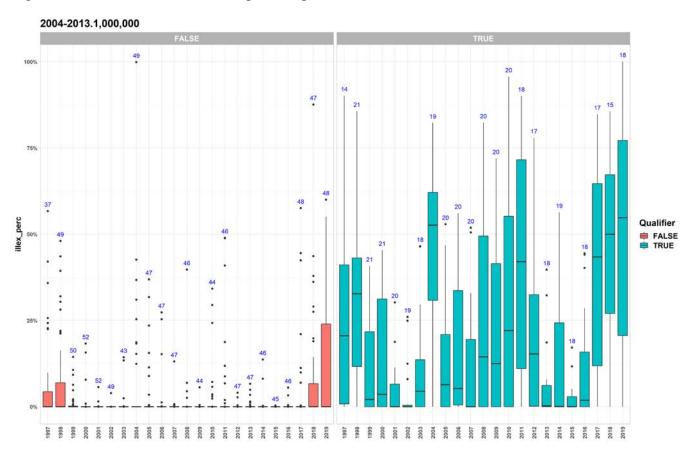


Figure A28. 2004-2013/95% Option Dependencies.

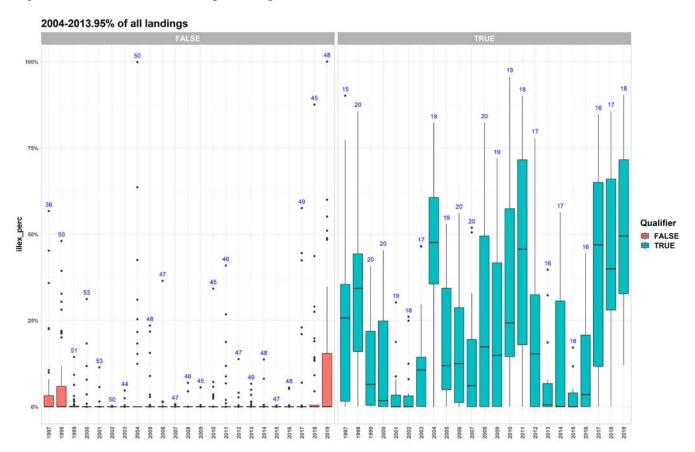


Figure A29. 1997-2013 plus 2014-2019/50K Option Dependencies

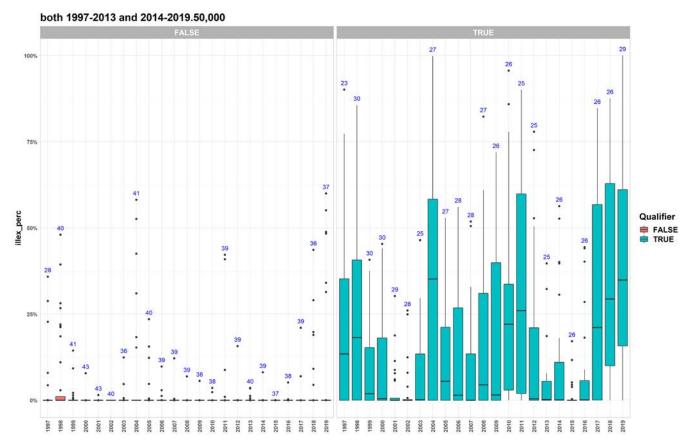


Figure A30. 1997-2013 plus 2014-2019/100K Option Dependencies

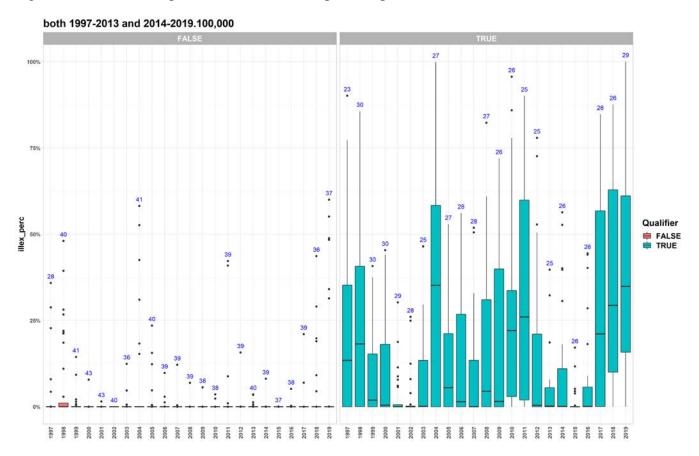


Figure A31. 1997-2013 plus 2014-2019/48K Trip Option Dependencies

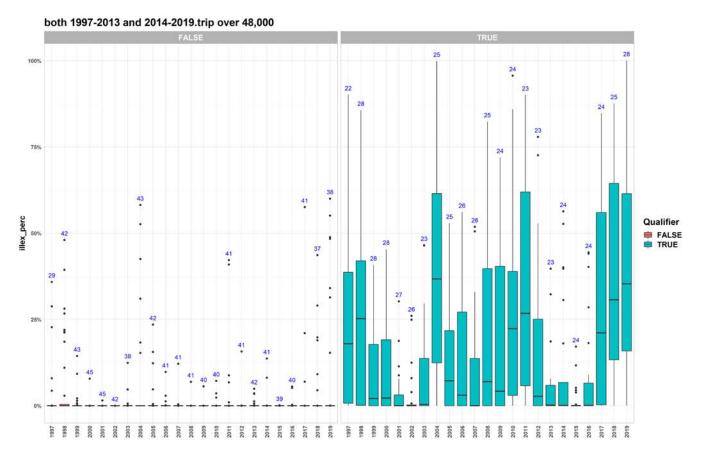


Figure A32. 1997-2013 plus 2014-2019/300K Option Dependencies

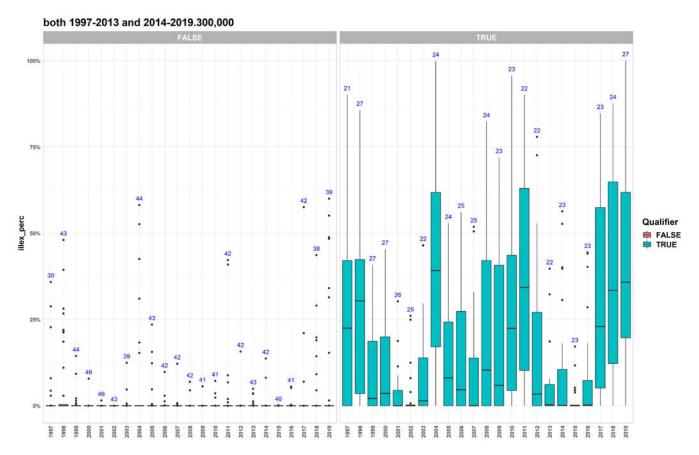


Figure A33. 1997-2013 plus 2014-2019/500K Option Dependencies

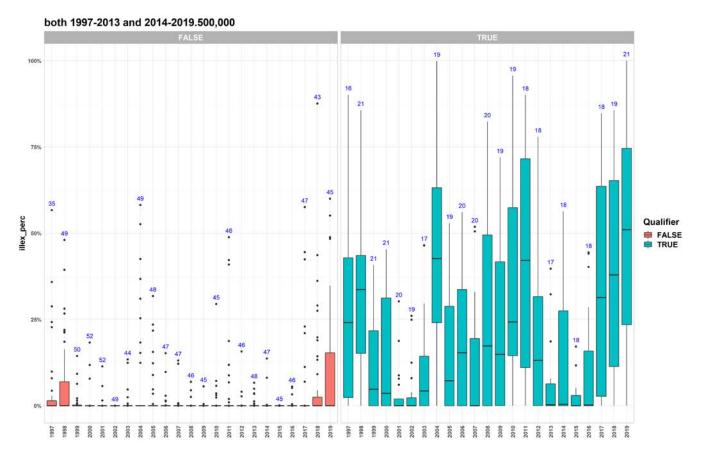


Figure A34. 1997-2013 plus 2014-2019/1,000,000 Option Dependencies

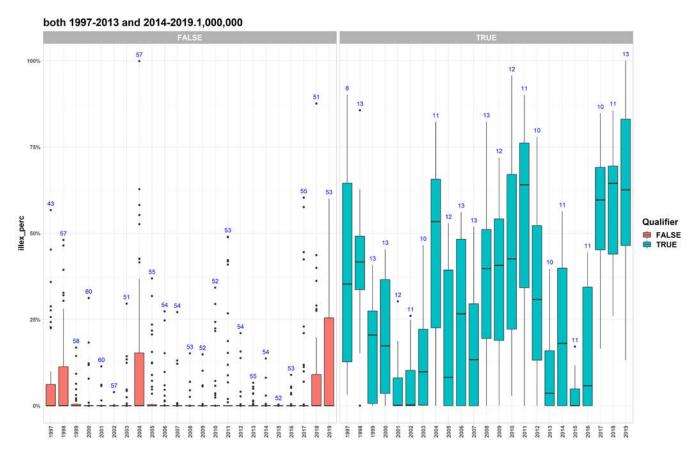


Figure A35. 1997-2013 plus 2014-2019/95% Option Dependencies

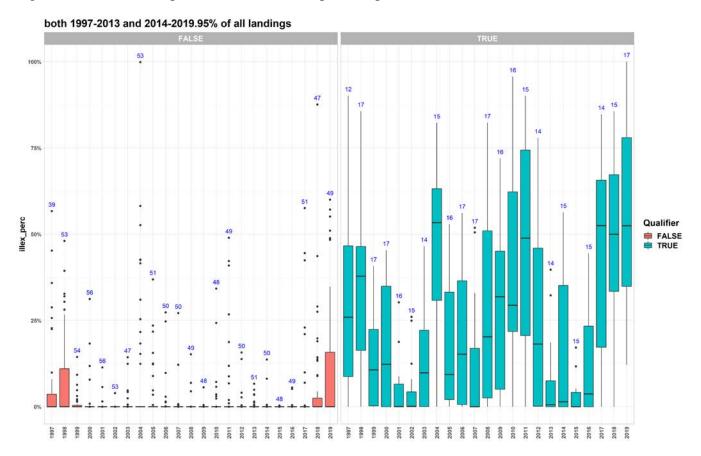


Figure A36. 1997-2013 plus 2014-2018/50K Option Dependencies

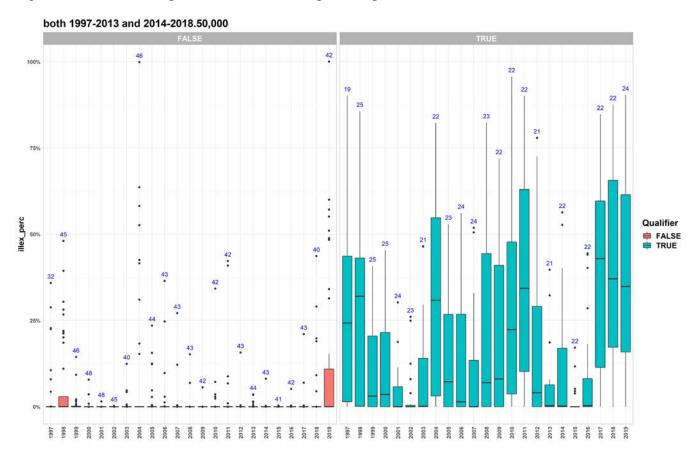


Figure A37. 1997-2013 plus 2014-2018/100K Option Dependencies

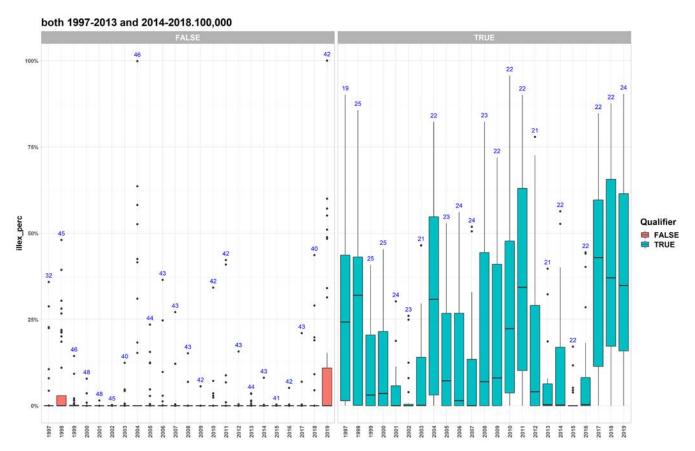


Figure A38. 1997-2013 plus 2014-2018/48K Trip Option Dependencies

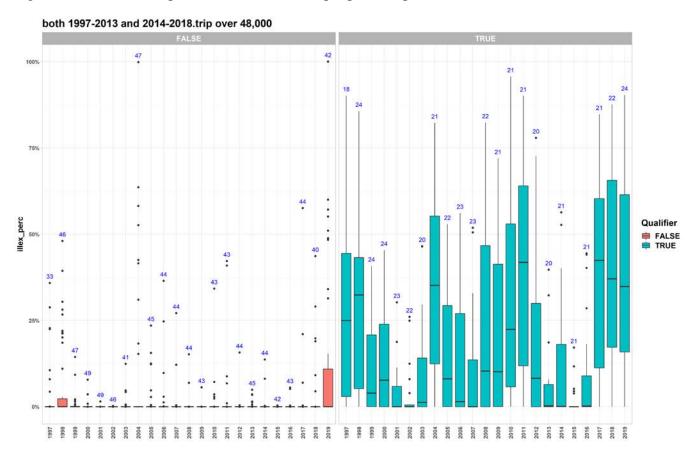


Figure A39. 1997-2013 plus 2014-2018/300K Option Dependencies

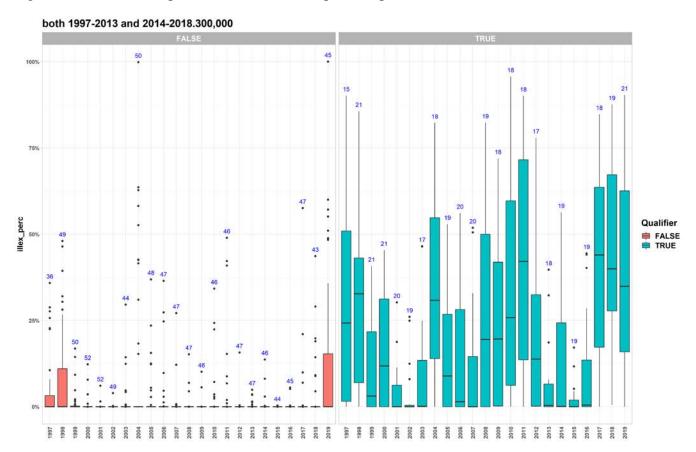


Figure A40. 1997-2013 plus 2014-2018/500K Option Dependencies

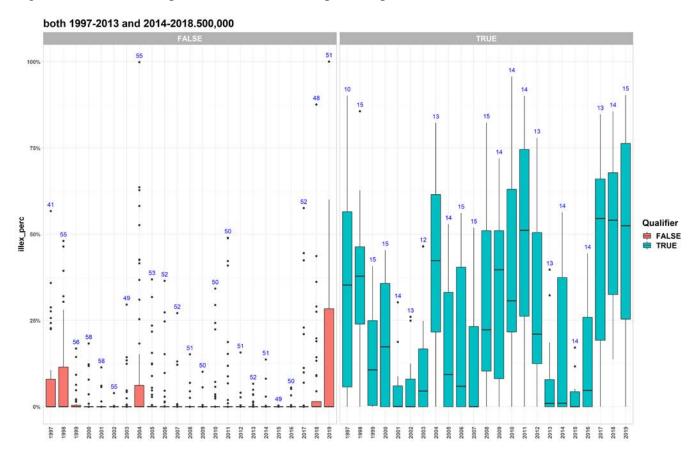
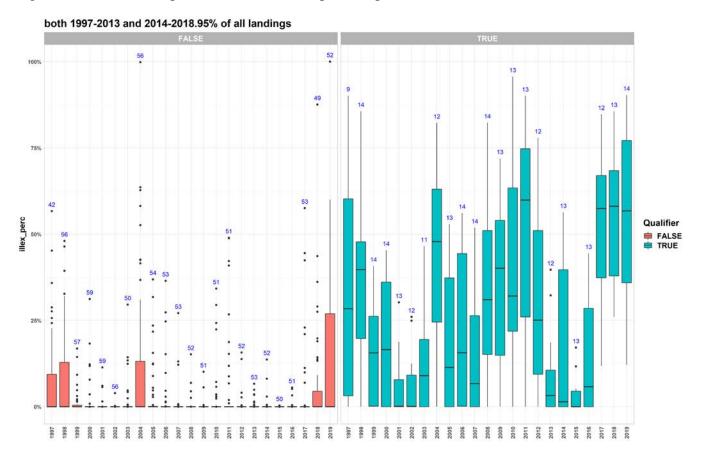


Figure A41. 1997-2013 plus 2014-2018/1,000,000 Option Dependencies

Figure A42. 1997-2013 plus 2014-2018/95% Option Dependencies



Appendix B. Barcharts of Revenue Sources for Non-Requalifiers and Requalifiers

Figure B1. 1997-2019/50K Option Revenues.

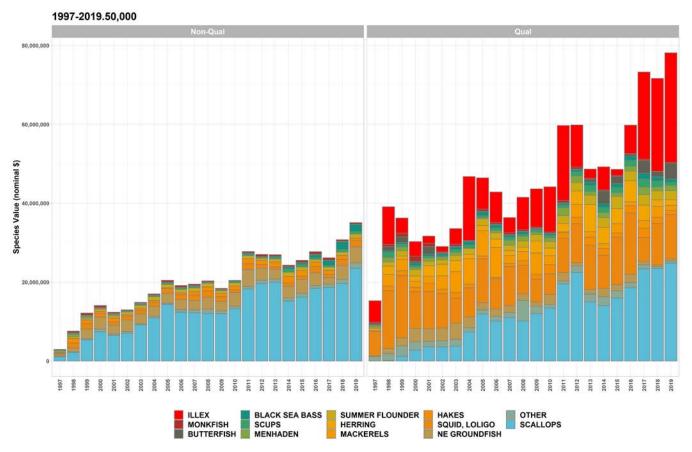


Figure B2. 1997-2019/100K Option Revenues.

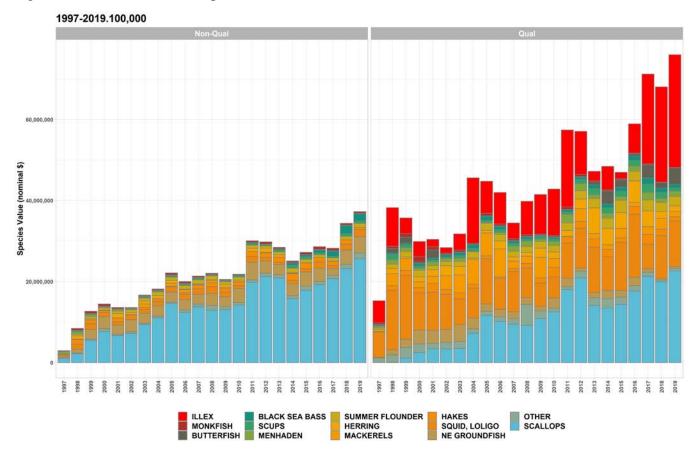


Figure B3. 1997-2019/48K Trip Option Revenues.

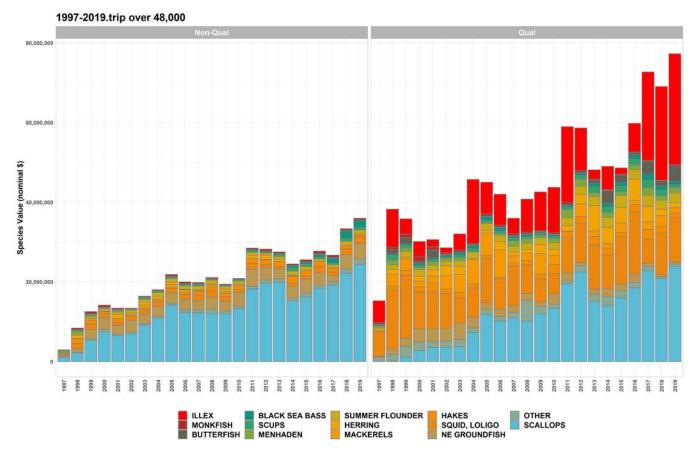


Figure B4. 1997-2019/300K Option Revenues.

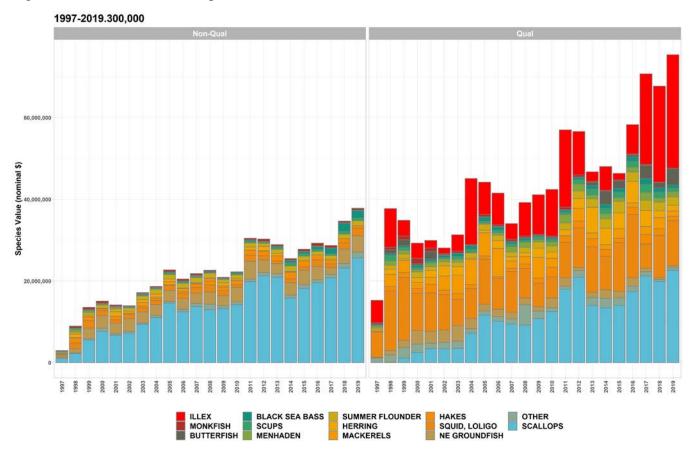


Figure B5. 1997-2019/500K Option Revenues.

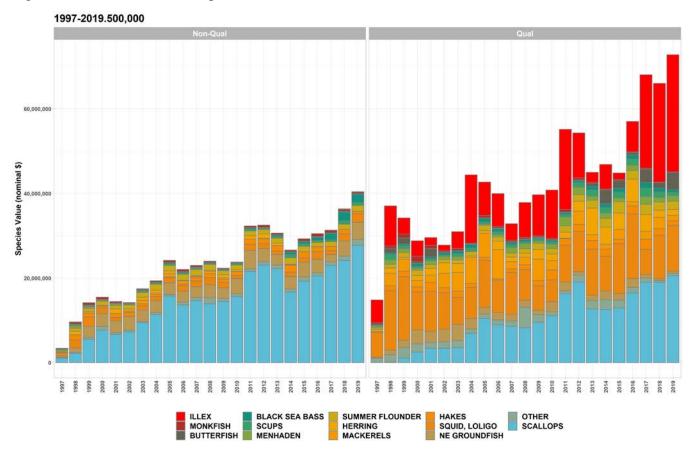


Figure B6. 1997-2019/1,000,000 Option Revenues.

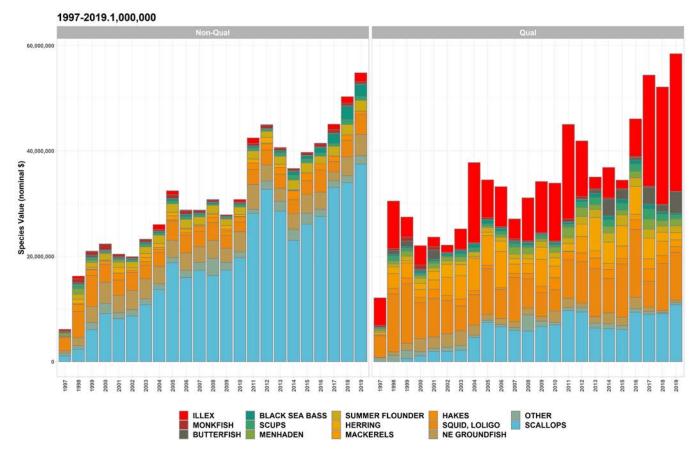


Figure B7. 1997-2019/95% Option Revenues.

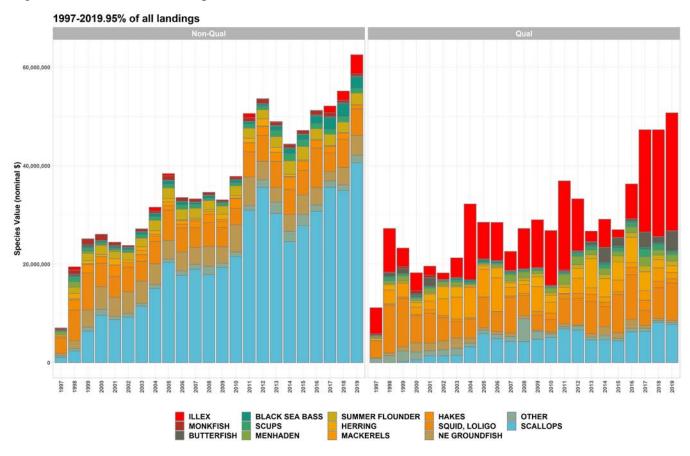


Figure B8. 1997-2018/50K Option Revenues.

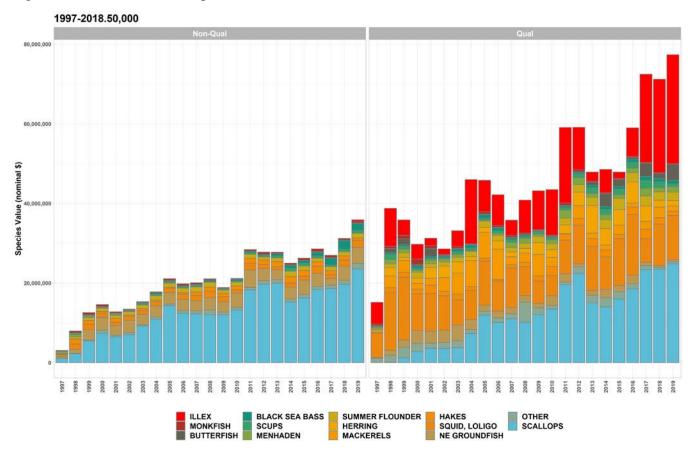


Figure B9. 1997-2018/100K Option Revenues.

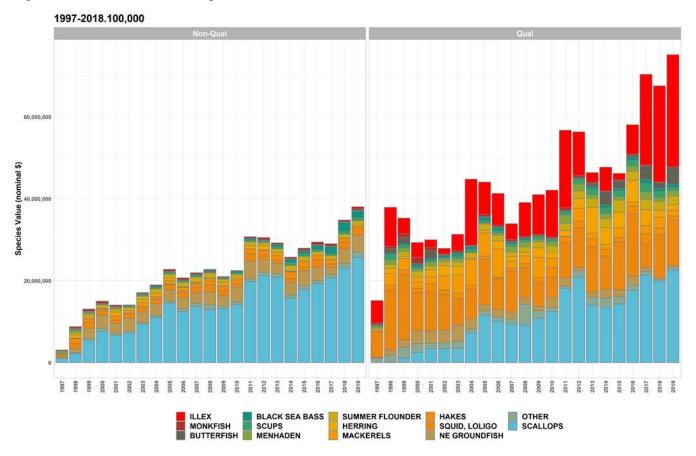


Figure B10. 1997-2018/48K Trip Option Revenues.

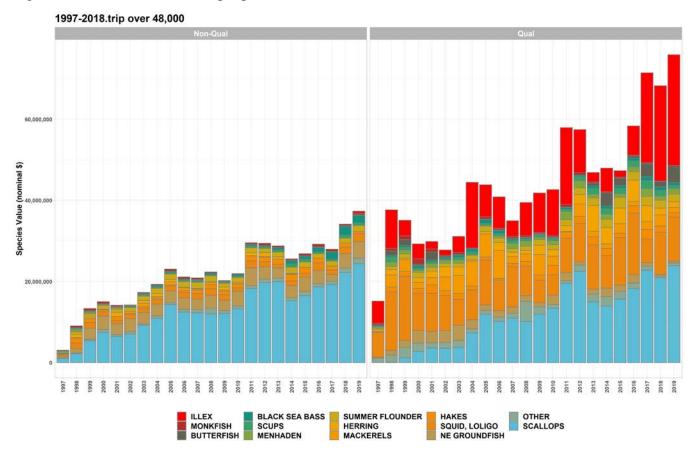


Figure B11. 1997-2018/300K Trip Option Revenues.

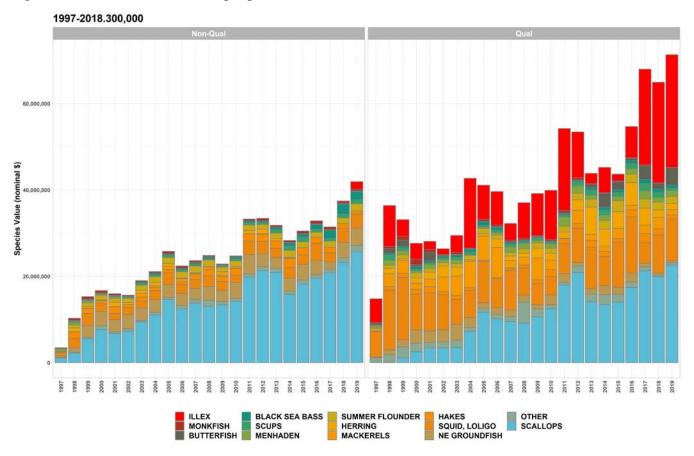
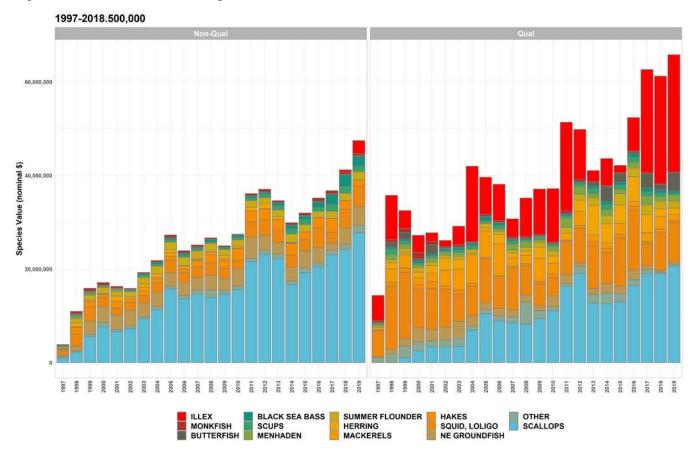


Figure B12. 1997-2018/500K Option Revenues.



1997-2018.1,000,000
60,000,000
20,000,000
20,000,000

Figure B13. 1997-2018/1,000,000 Option Revenues.

> ILLEX MONKFISH BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

SUMMER FLOUNDER HERRING MACKERELS

HAKES SQUID, LOLIGO NE GROUNDFISH OTHER SCALLOPS

BLACK SEA BASS SCUPS MENHADEN

Figure B14. 1997-2018/95% Option Revenues.

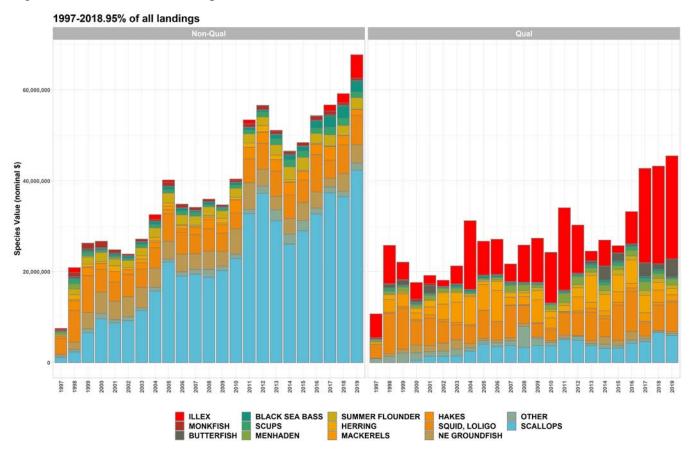


Figure B15. 1997-2013/50K Option Revenues.

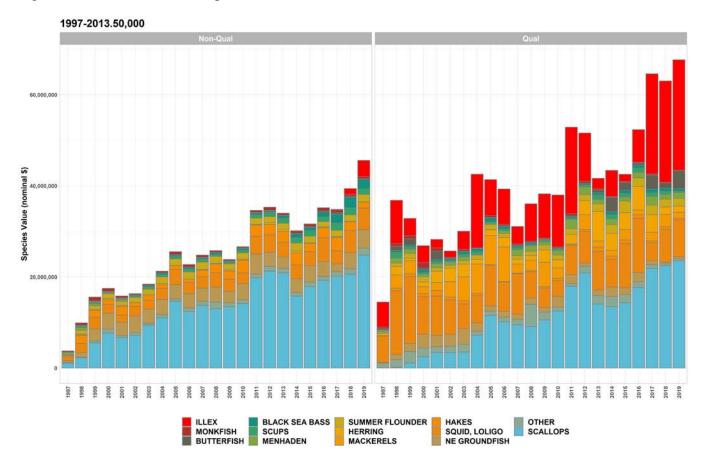


Figure B16. 1997-2013/100K Option Revenues.

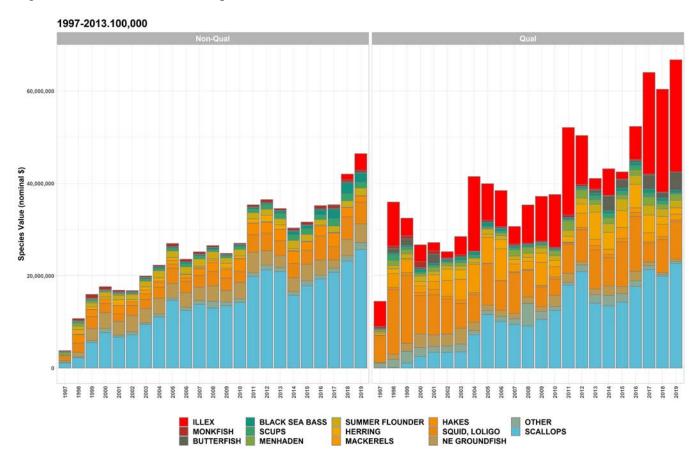


Figure B17. 1997-2013/48K Trip Option Revenues.

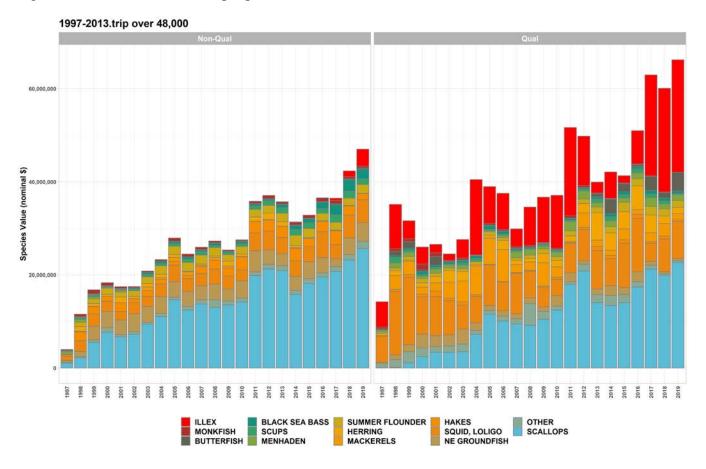


Figure B18. 1997-2013/300K Option Revenues.

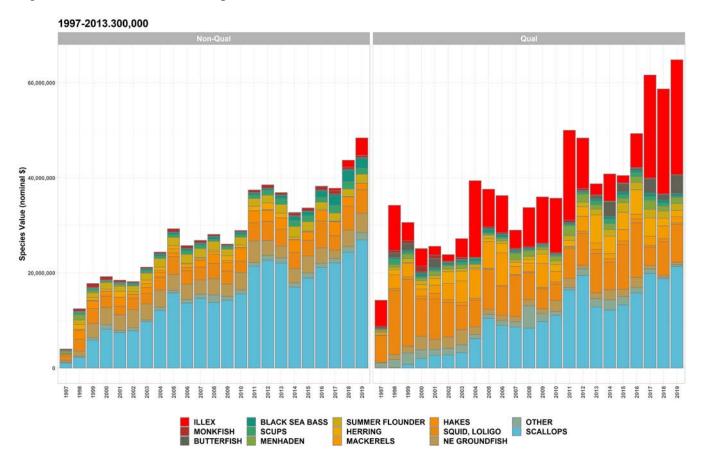


Figure B19. 1997-2013/500K Option Revenues.

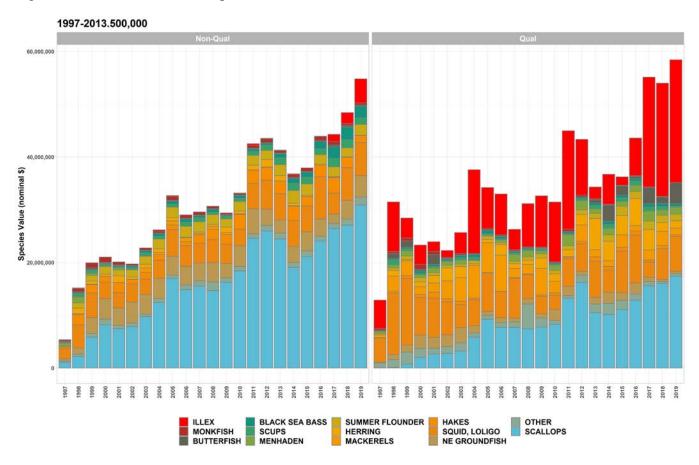


Figure B20. 1997-2013/1,000,000 Option Revenues.

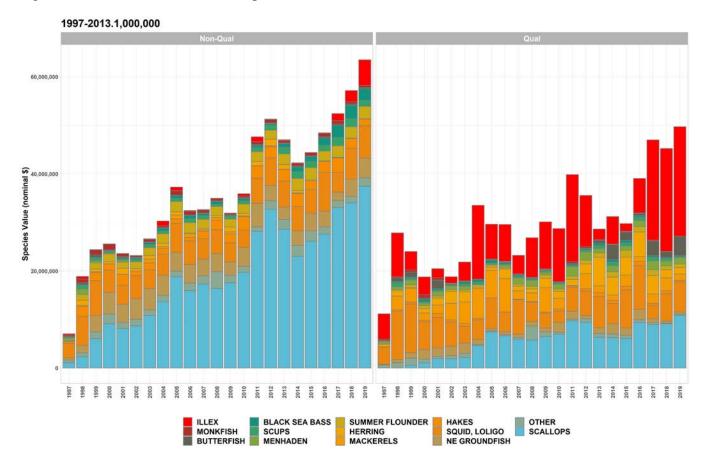


Figure B21. 1997-2013/95% Option Revenues.

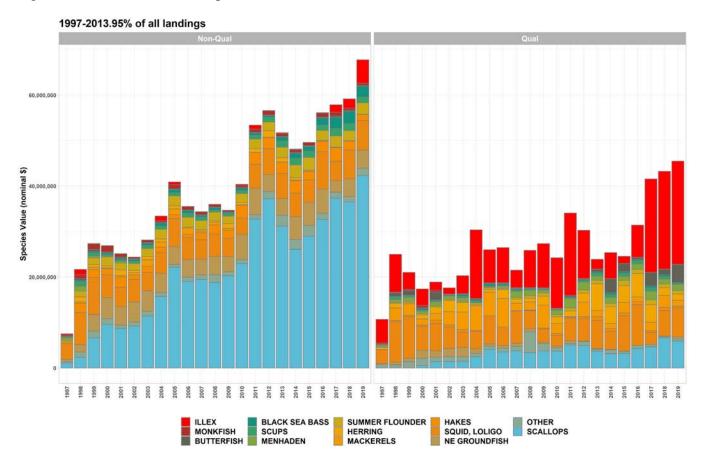


Figure B22. 2004-2013/50K Option Revenues.

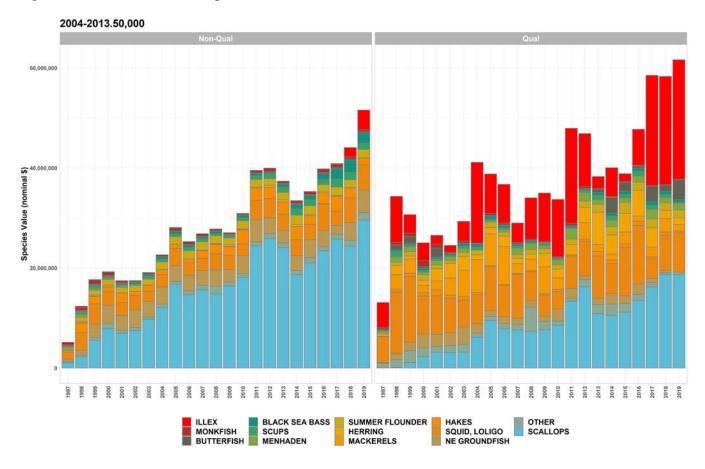


Figure B23. 2004-2013/100K Option Revenues.

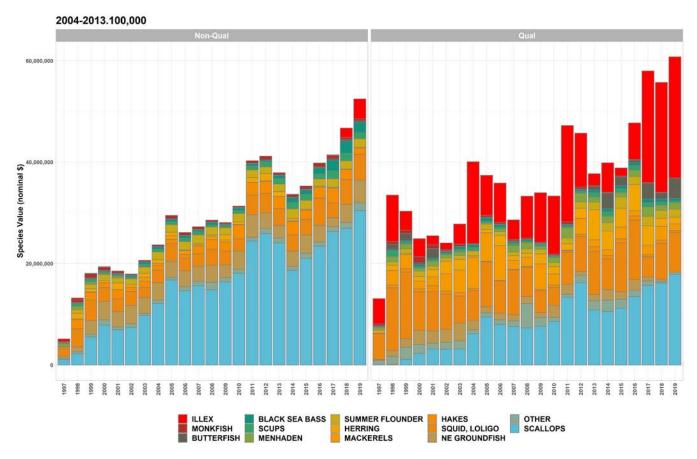


Figure B24. 2004-2013/48K Trip Option Revenues.

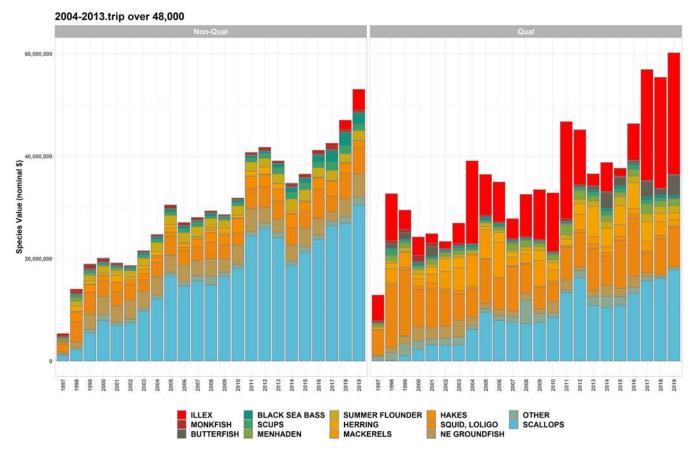


Figure B25. 2004-2013/300K Option Revenues.

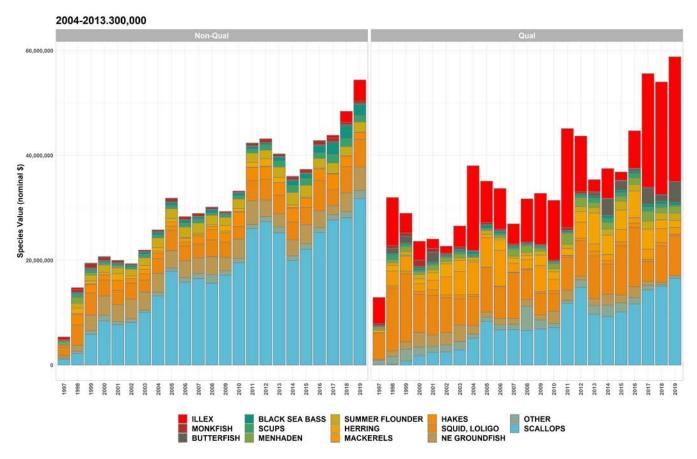


Figure B26. 2004-2013/500K Option Revenues.

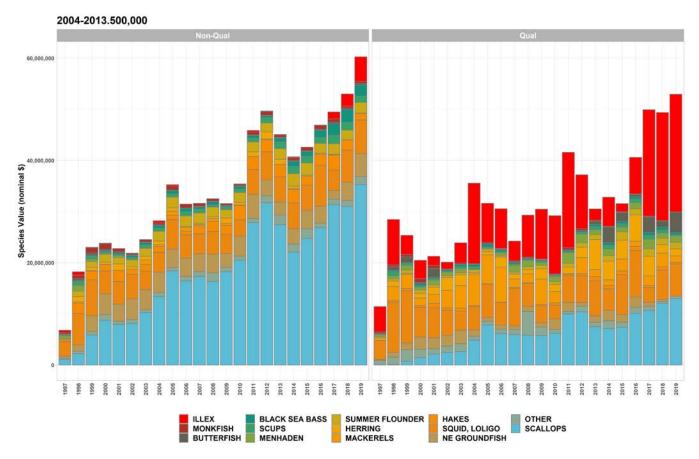


Figure B27. 2004-2013/1,000,000 Option Revenues.

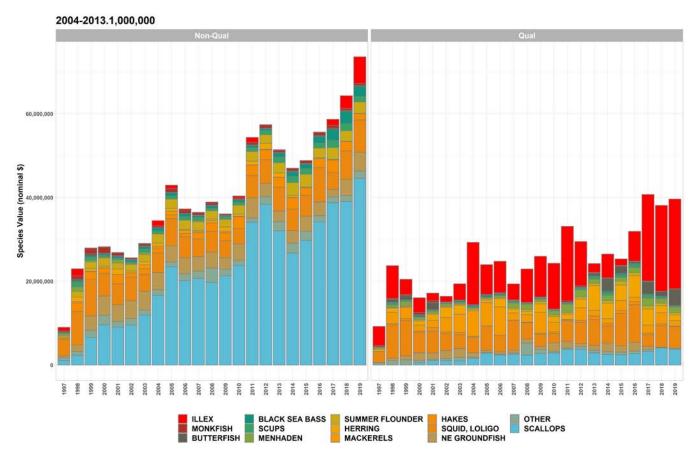
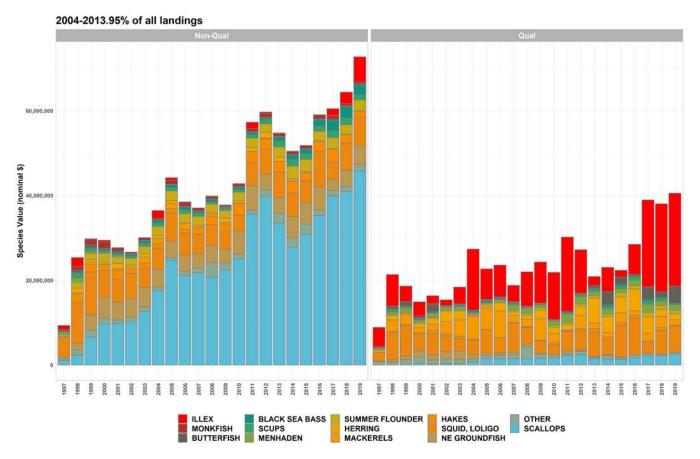


Figure B28. 2004-2013/95% Option Revenues.

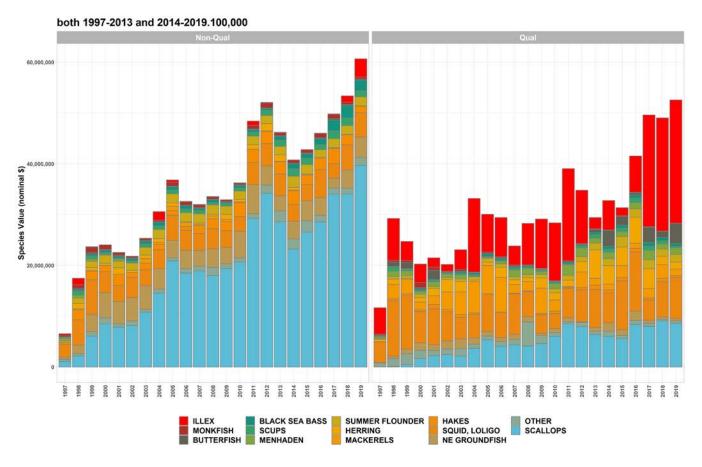


both 1997-2013 and 2014-2019.50,000

Non-Qual

Figure B29. 1997-2013 plus 2014-2019/50K Option Revenues

Figure B30. 1997-2013 plus 2014-2019/100K Option Revenues



both 1997-2013 and 2014-2019.trip over 48,000

Figure B31. 1997-2013 plus 2014-2019/48K Trip Option Revenues

MONKFISH BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

SUMMER FLOUNDER HERRING MACKERELS

BLACK SEA BASS SCUPS MENHADEN HAKES SQUID, LOLIGO NE GROUNDFISH OTHER SCALLOPS

Figure B32. 1997-2013 plus 2014-2019/300K Option Revenues

MONKFISH BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

SUMMER FLOUNDER HERRING MACKERELS OTHER SCALLOPS

HAKES SQUID, LOLIGO NE GROUNDFISH

both 1997-2013 and 2014-2019.500,000

(80,000,000

20,000,000

(10,000,000

20,000,000

Figure B33. 1997-2013 plus 2014-2019/500K Option Revenues

MONKFISH BUTTERFISH Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

SUMMER FLOUNDER

HAKES SQUID, LOLIGO NE GROUNDFISH OTHER SCALLOPS

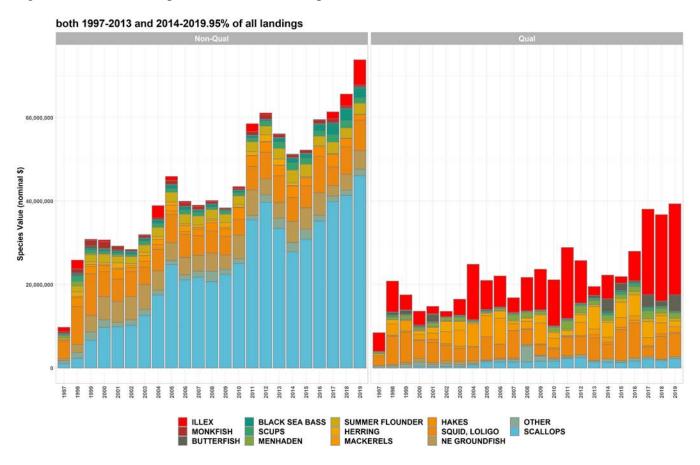
Figure B34. 1997-2013 plus 2014-2019/1,000,000 Option Revenues

20.000.000

ILLEX MONKFISH BUTTERFISH Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

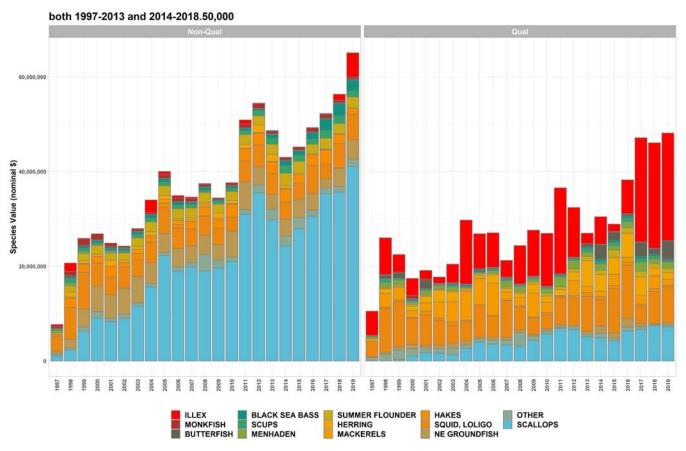
SUMMER FLOUNDER HERRING MACKERELS HAKES SQUID, LOLIGO NE GROUNDFISH OTHER SCALLOPS

Figure B35. 1997-2013 plus 2014-2019/95% Option Revenues



Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

Figure B36. 1997-2013 plus 2014-2018/50K Option Revenues



Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

both 1997-2013 and 2014-2018.100,000 60,000,000 Species Value (nominal \$) 2011 2013 2014 2015 2016 2017 2003 2004 2005 2006 2007 2008 2009 2011 2012 2018 1997 2012

Figure B37. 1997-2013 plus 2014-2018/100K Option Revenues

ILLEX
MONKFISH
BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

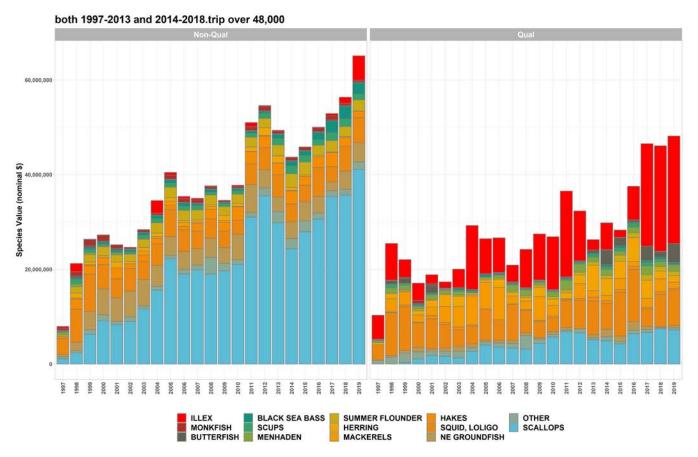
SUMMER FLOUNDER

HERRING MACKERELS

BLACK SEA BASS SCUPS MENHADEN OTHER SCALLOPS

HAKES SQUID, LOLIGO NE GROUNDFISH

Figure B38. 1997-2013 plus 2014-2018/48K Trip Option Revenues



Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

both 1997-2013 and 2014-2018.300,000

| Solution | Solu

Figure B39. 1997-2013 plus 2014-2018/300K Option Revenues

20,000,000

2003 2004 2005 2007 2007 2009 2010 2011 2012

ILLEX
MONKFISH
BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

2018

1997

HERRING MACKERELS

SUMMER FLOUNDER

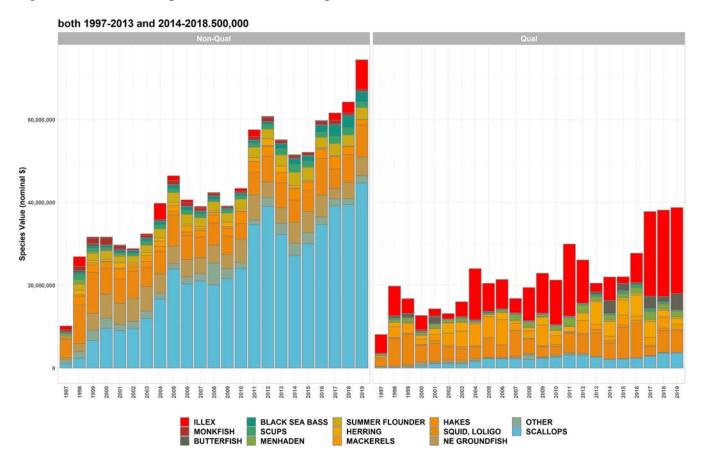
2012 2013 2013

OTHER SCALLOPS

HAKES SQUID, LOLIGO NE GROUNDFISH

2013 2014 2015 2016 2017

Figure B40. 1997-2013 plus 2014-2018/500K Option Revenues



Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

both 1997-2013 and 2014-2018.1,000,000 60,000,000 Species Value (nominal \$) 40,000,000 20,000,000 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 1997 1999 2001 2003 2004 2002 2006 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018

Figure B41. 1997-2013 plus 2014-2018/1,000,000 Option Revenues

ILLEX
MONKFISH
BUTTERFISH

Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

BLACK SEA BASS

SCUPS MENHADEN SUMMER FLOUNDER

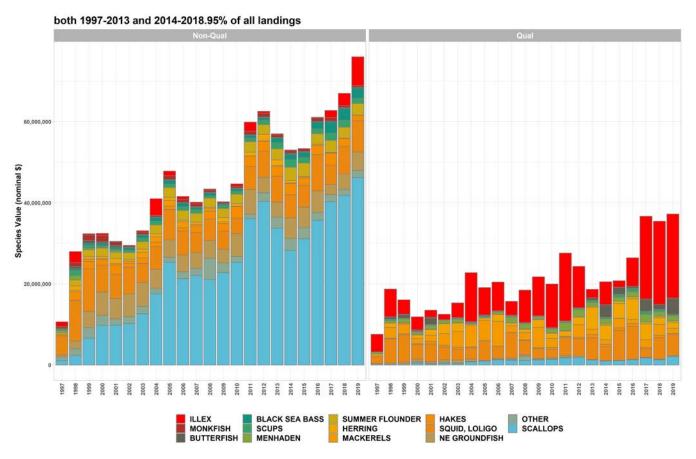
MACKERELS

HAKES

SQUID, LOLIGO NE GROUNDFISH OTHER

SCALLOPS

Figure B42. 1997-2013 plus 2014-2018/95% Option Revenues



Total species revenues, by year. Species in the top 10 for any year are included. Non-requalifiers are on the left, requalifiers are on the right.

Appendix C. Permits held by Non-Requalifiers and Requalifiers

Figure C1. 1997-2019/50K Option Permits.

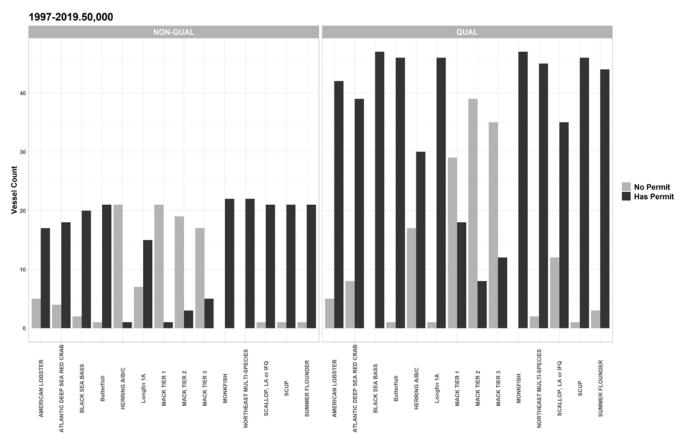


Figure C2. 1997-2019/100K Option Permits.

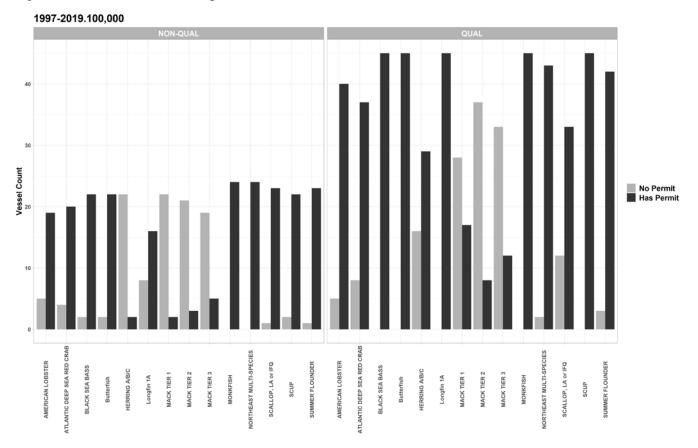


Figure C3. 1997-2019/48K Trip Option Permits.

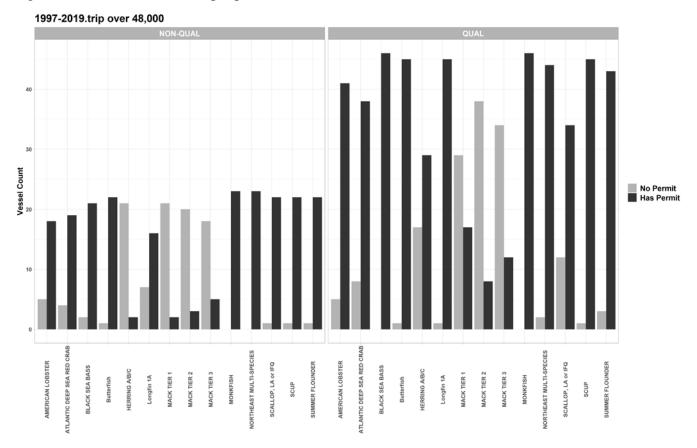


Figure C4. 1997-2019/300K Option Permits.

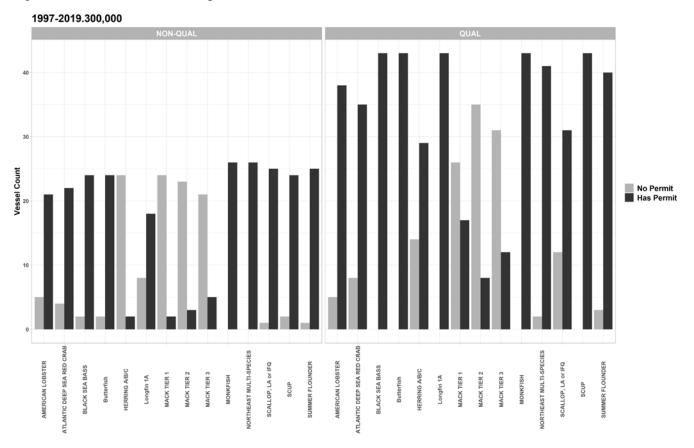


Figure C5. 1997-2019/500K Option Permits.

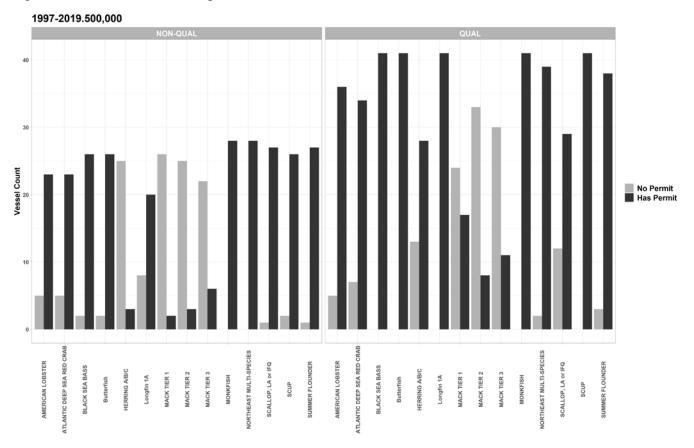


Figure C6. 1997-2019/1,000,000 Option Permits.

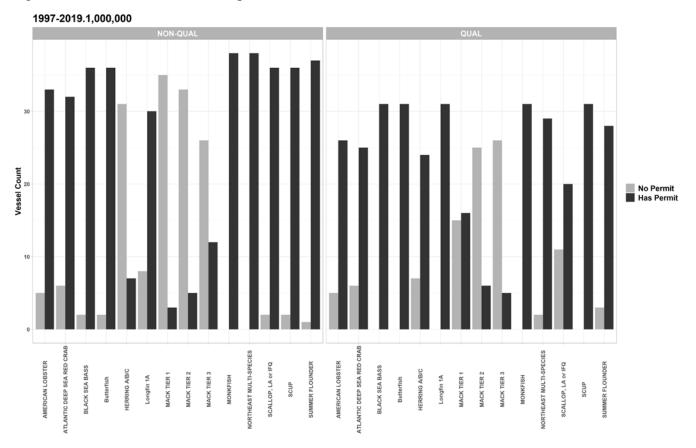


Figure C7. 1997-2019/95% Option Permits.

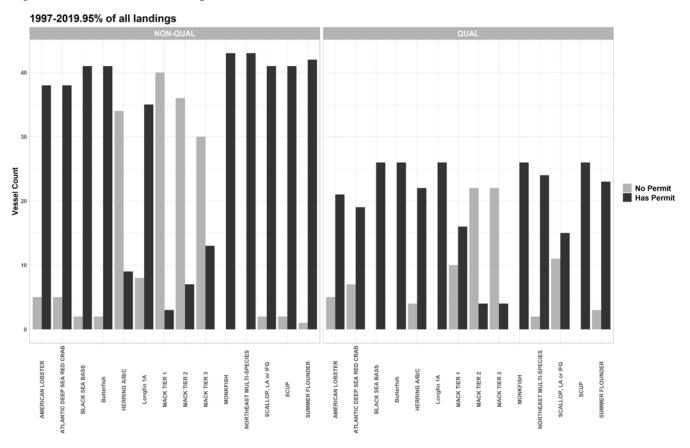


Figure C8. 1997-2018/50K Option Permits.

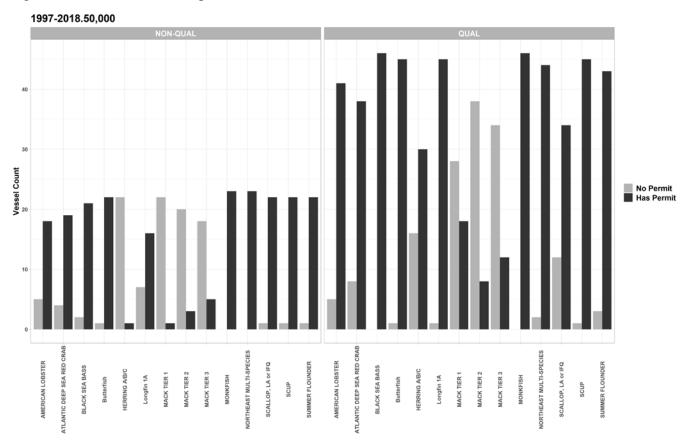


Figure C9. 1997-2018/100K Option Permits.

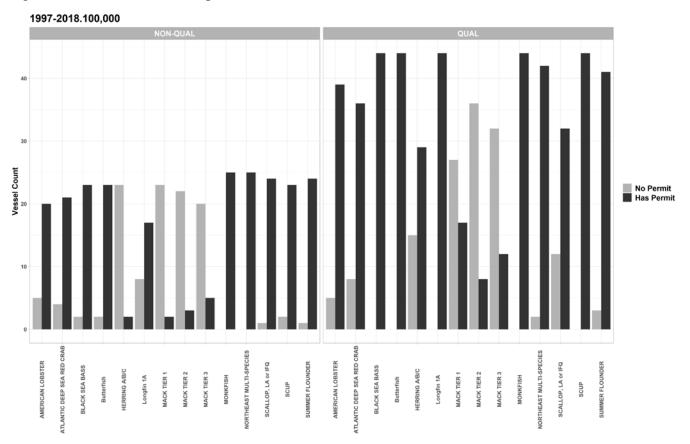


Figure C10. 1997-2018/48K Trip Option Permits.

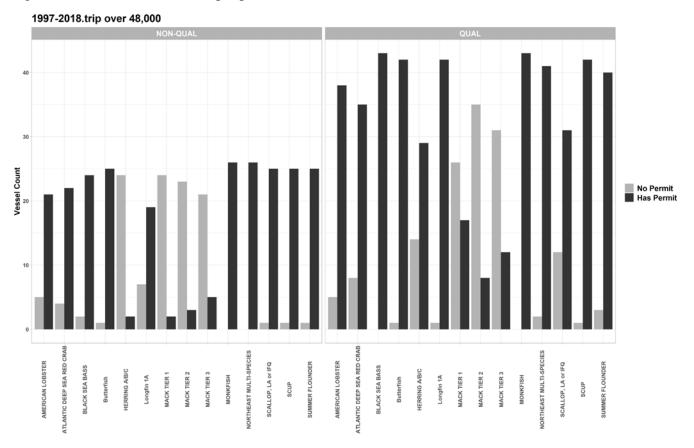


Figure C11. 1997-2018/300K Trip Option Permits.

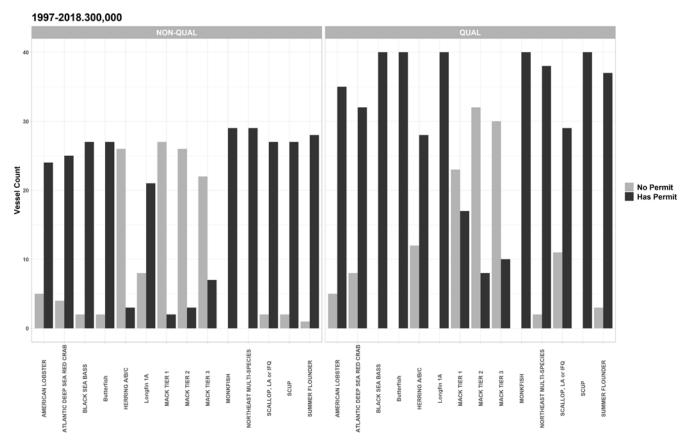


Figure C12. 1997-2018/500K Option Permits.

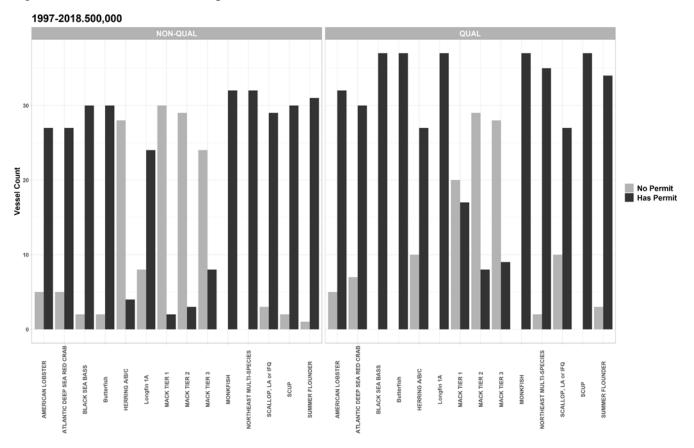


Figure C13. 1997-2018/1,000,000 Option Permits.

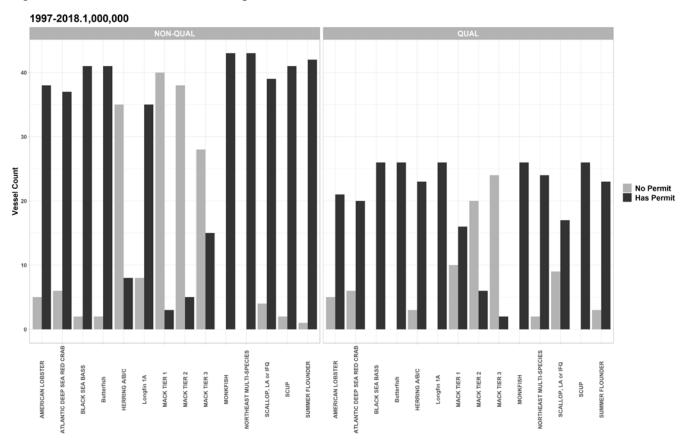


Figure C14. 1997-2018/95% Option Permits.

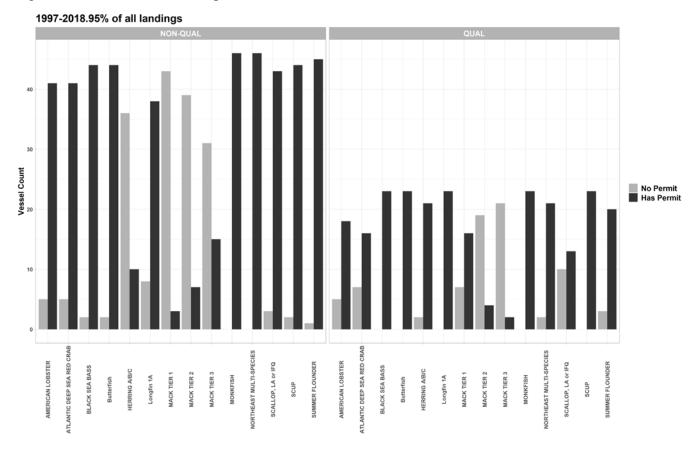


Figure C15. 1997-2013/50K Option Permits.

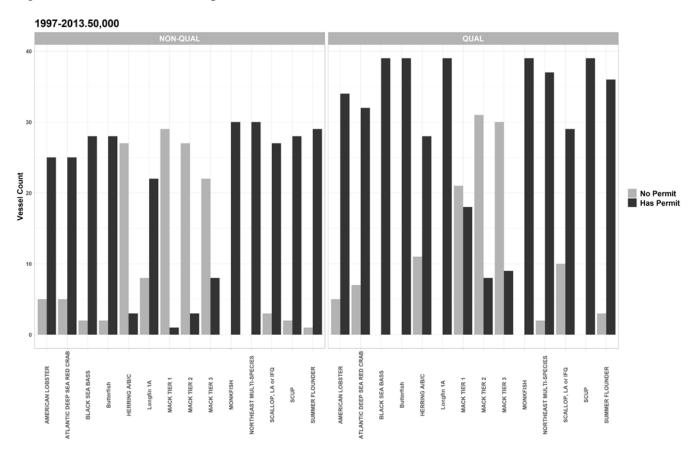


Figure C16. 1997-2013/100K Option Permits.

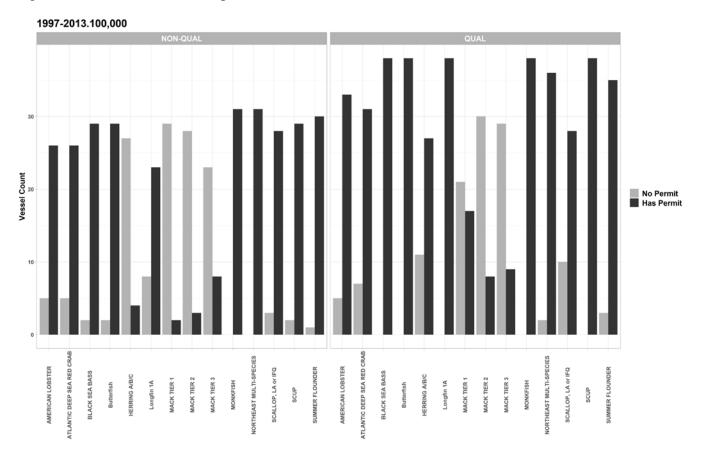


Figure C17. 1997-2013/48K Trip Option Permits.

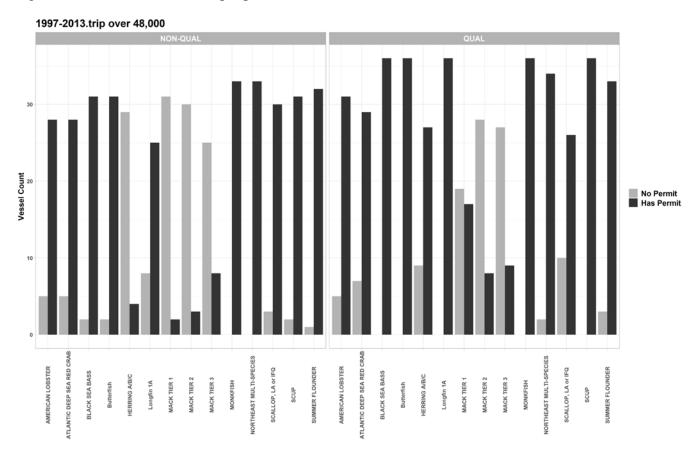


Figure C18. 1997-2013/300K Option Permits.

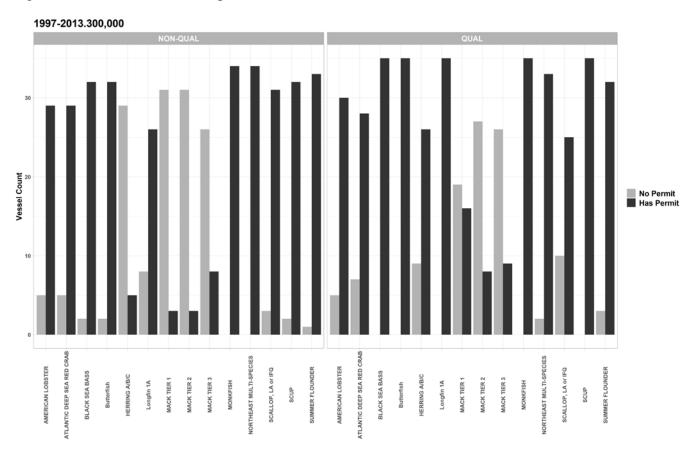


Figure C19. 1997-2013/500K Option Permits.

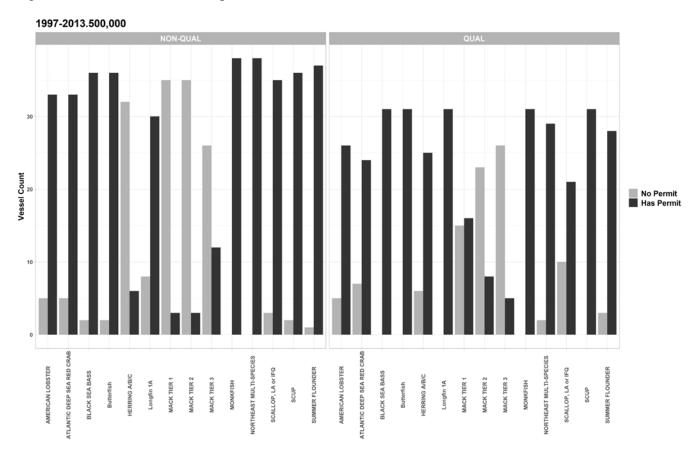


Figure C20. 1997-2013/1,000,000 Option Permits.

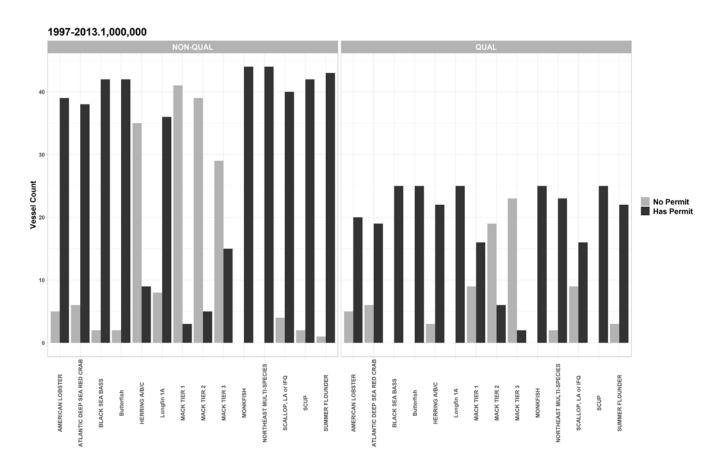


Figure C21. 1997-2013/95% Option Permits.

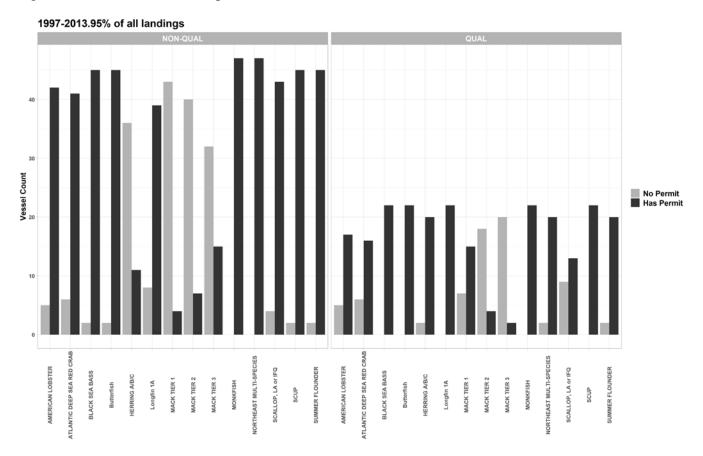


Figure C22. 2004-2013/50K Option Permits.

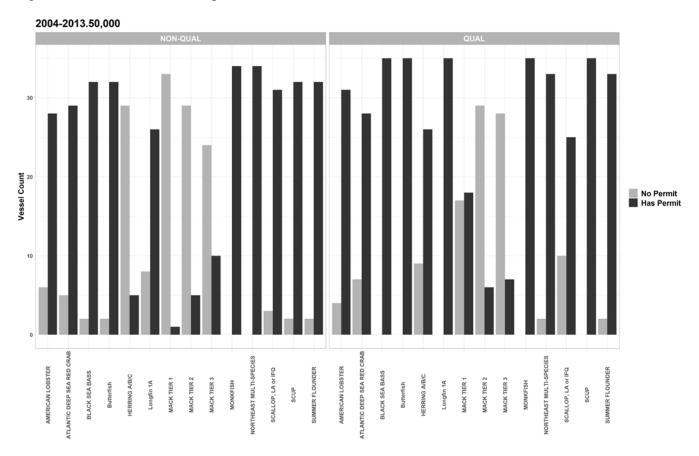


Figure C23. 2004-2013/100K Option Permits.

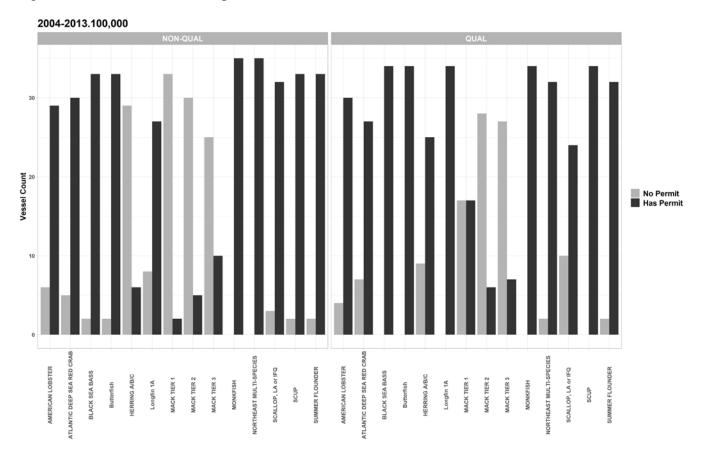


Figure C24. 2004-2013/48K Trip Option Permits.

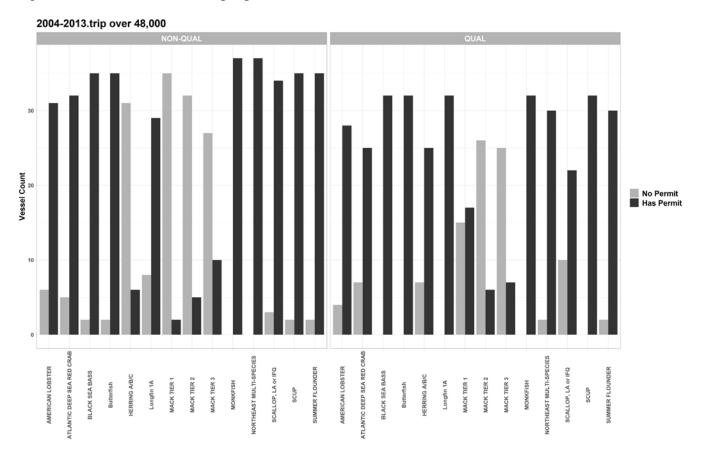


Figure C25. 2004-2013/300K Option Permits.

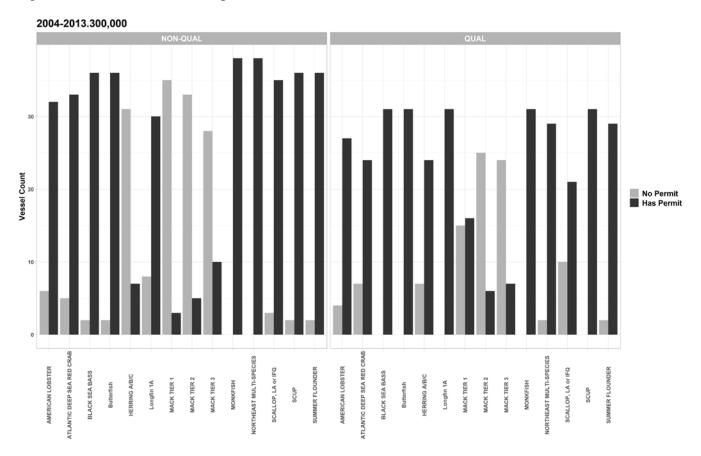


Figure C26. 2004-2013/500K Option Permits.

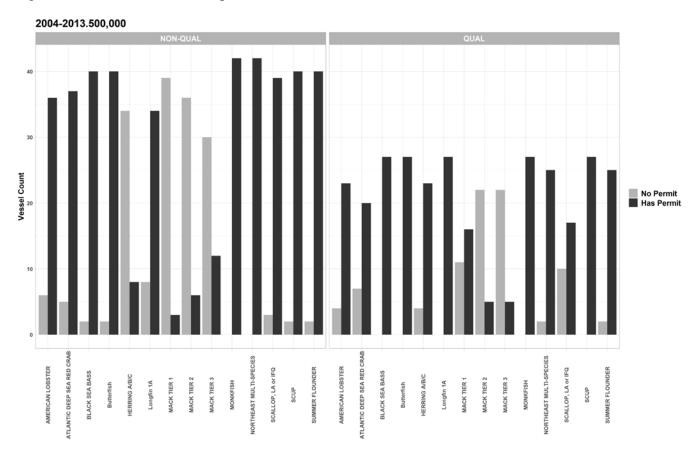


Figure C27. 2004-2013/1,000,000 Option Permits.

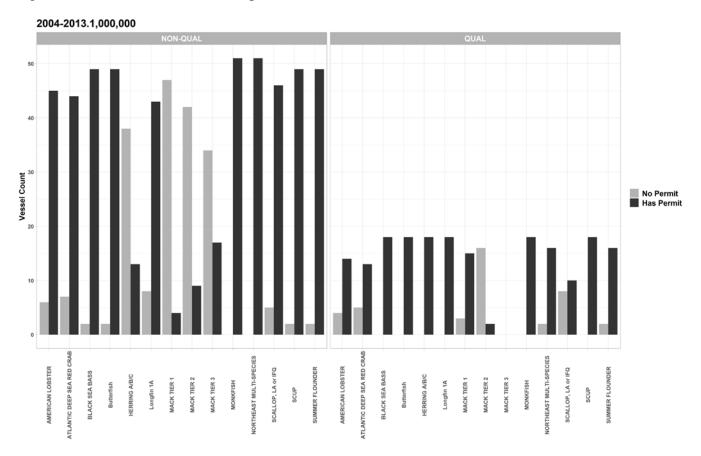


Figure C28. 2004-2013/95% Option Permits.

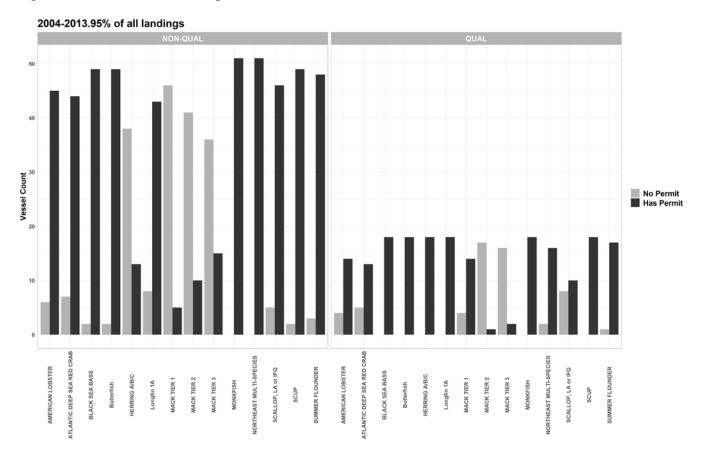
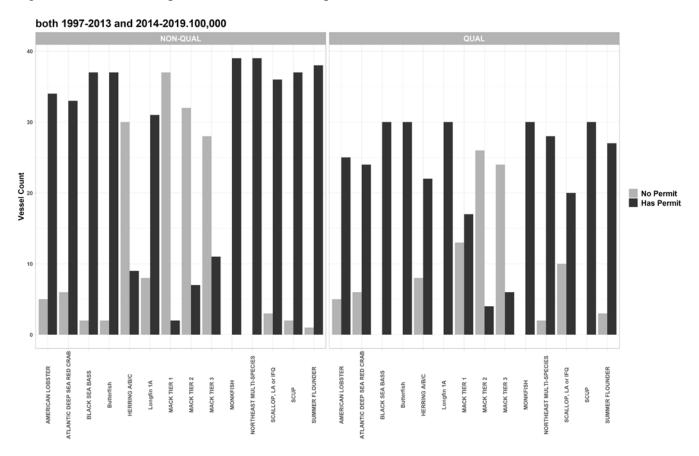


Figure C29. 1997-2013 plus 2014-2019/50K Option Permits both 1997-2013 and 2014-2019.50,000

Vessel Count ⊗ No Permit
Has Permit ATLANTIC DEEP SEA RED CRAB ATLANTIC DEEP SEA RED CRAB NORTHEAST MULTI-SPECIES NORTHEAST MULTI-SPECIES AMERICAN LOBSTER SCALLOP, LA or IFQ AMERICAN LOBSTER SCALLOP, LA or IFQ BLACK SEA BASS SCUP

Figure C30. 1997-2013 plus 2014-2019/100K Option Permits



both 1997-2013 and 2014-2019.trip over 48,000

ATLANTIC DEEP SEA RED CRAB

BLACK SEA BASS

AMERICAN LOBSTER

NORTHEAST MULTI-SPECIES

SCALLOP, LA or IFQ

Figure C31. 1997-2013 plus 2014-2019/48K Trip Option Permits

Non-requalifiers' current permits are on the left, requalifiers' are on the right.

NORTHEAST MULTI-SPECIES

MONKFISH

MACK TIER 2
MACK TIER 3

MACK TIER 1

SCALLOP, LA or IFQ

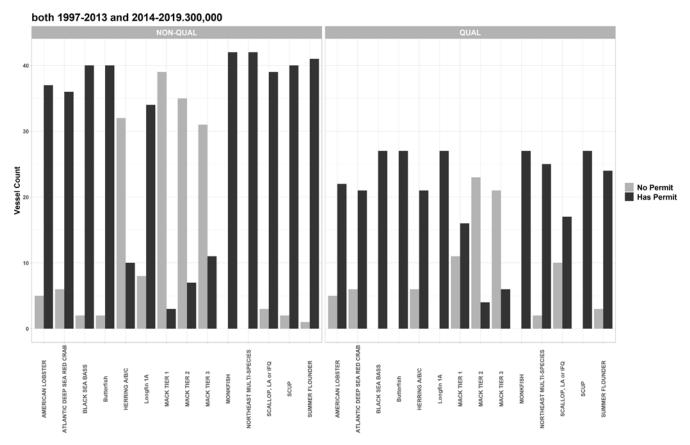
scup

ATLANTIC DEEP SEA RED CRAB

BLACK SEA BASS

AMERICAN LOBSTER

Figure C32. 1997-2013 plus 2014-2019/300K Option Permits



both 1997-2013 and 2014-2019.500,000

NON-QUAL

OUAL

No Permit Has Permit

ATLANTIC DEEP SEA RED CRAB

BLACK SEA BASS

AMERICAN LOBSTER

NORTHEAST MULTI-SPECIES

SCALLOP, LA or IFQ

Figure C33. 1997-2013 plus 2014-2019/500K Option Permits

Non-requalifiers' current permits are on the left, requalifiers' are on the right.

NORTHEAST MULTI-SPECIES

MONKFISH

MACK TIER 2
MACK TIER 3

MACK TIER 1

SCALLOP, LA or IFQ

scup

ATLANTIC DEEP SEA RED CRAB

BLACK SEA BASS

AMERICAN LOBSTER

Figure C34. 1997-2013 plus 2014-2019/1,000,000 Option Permits

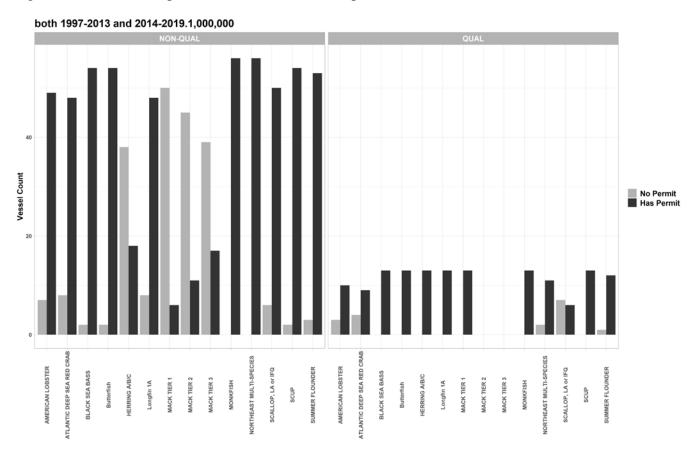


Figure C35. 1997-2013 plus 2014-2019/95% Option Permits

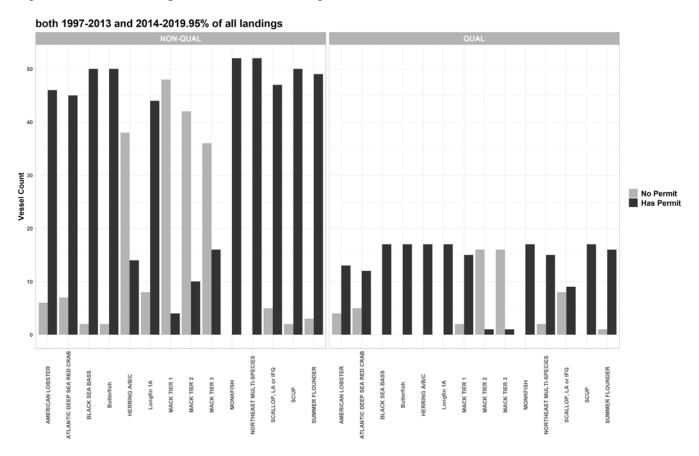


Figure C36. 1997-2013 plus 2014-2018/50K Option Permits

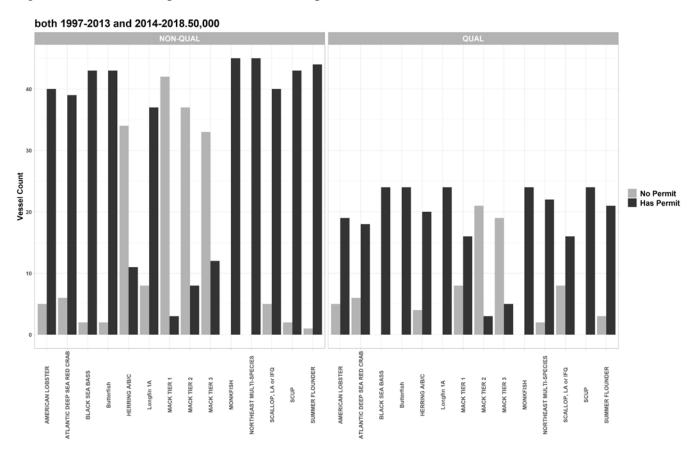


Figure C37. 1997-2013 plus 2014-2018/100K Option Permits

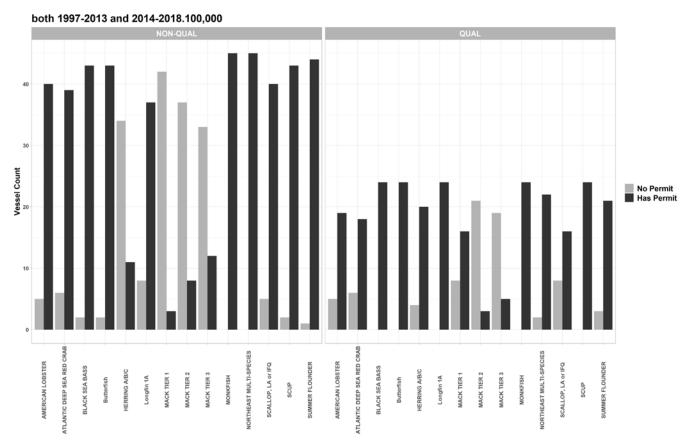


Figure C38. 1997-2013 plus 2014-2018/48K Trip Option Permits

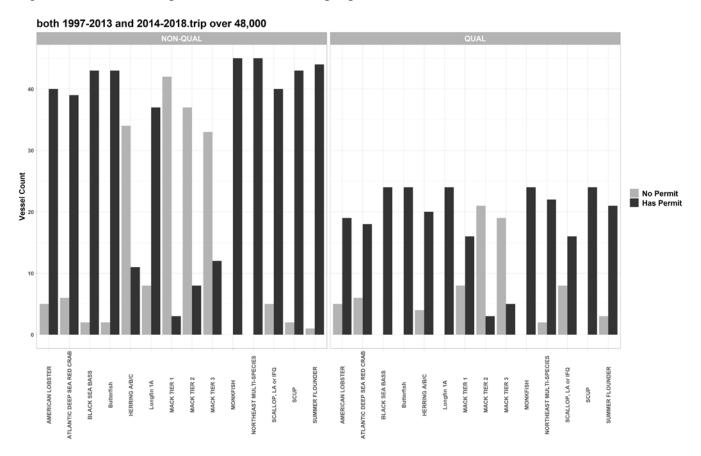


Figure C39. 1997-2013 plus 2014-2018/300K Option Permits

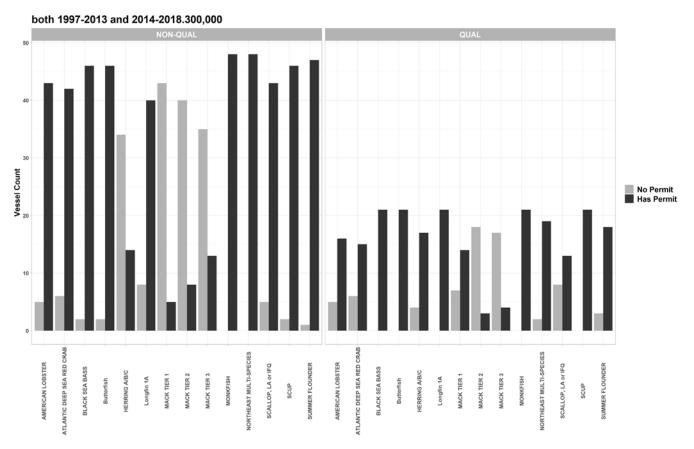


Figure C40. 1997-2013 plus 2014-2018/500K Option Permits

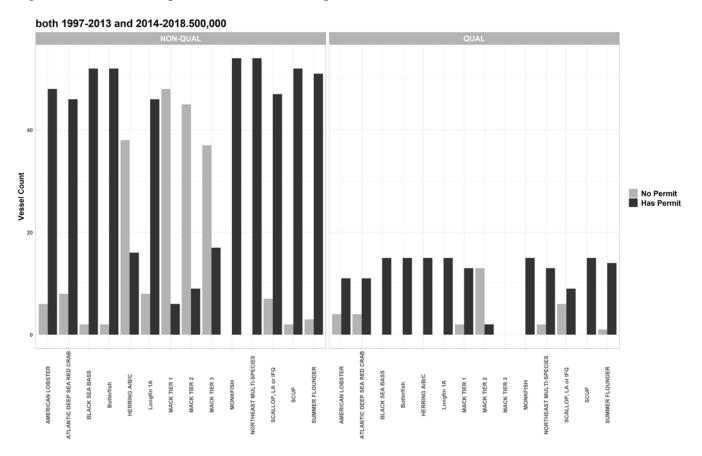


Figure C41. 1997-2013 plus 2014-2018/1,000,000 Option Permits

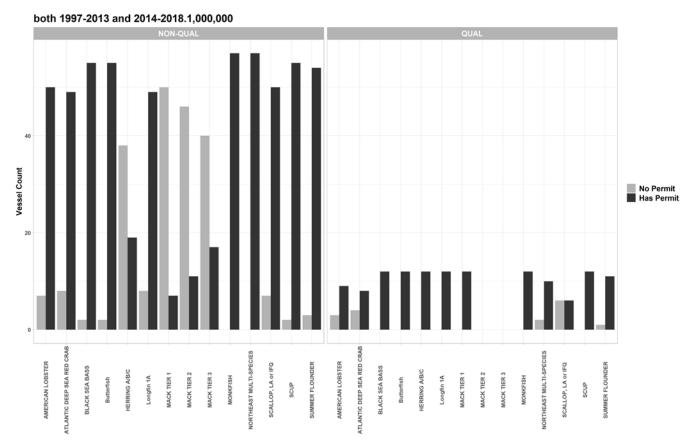


Figure C42. 1997-2013 plus 2014-2018/95% Option Permits

