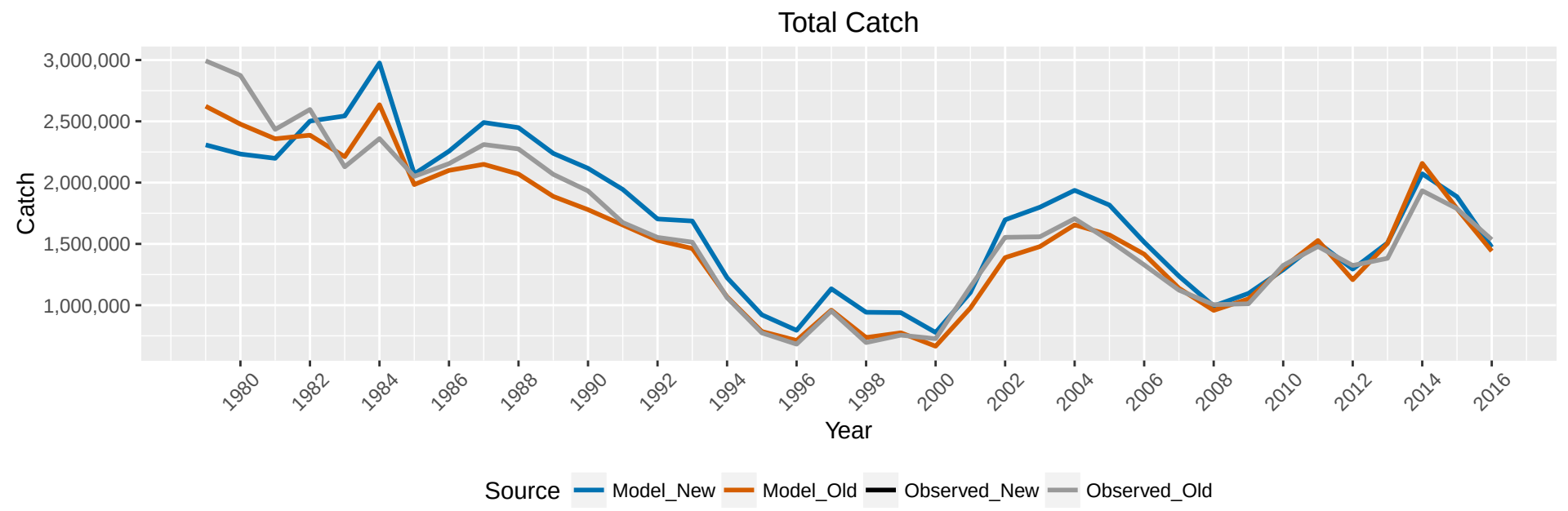
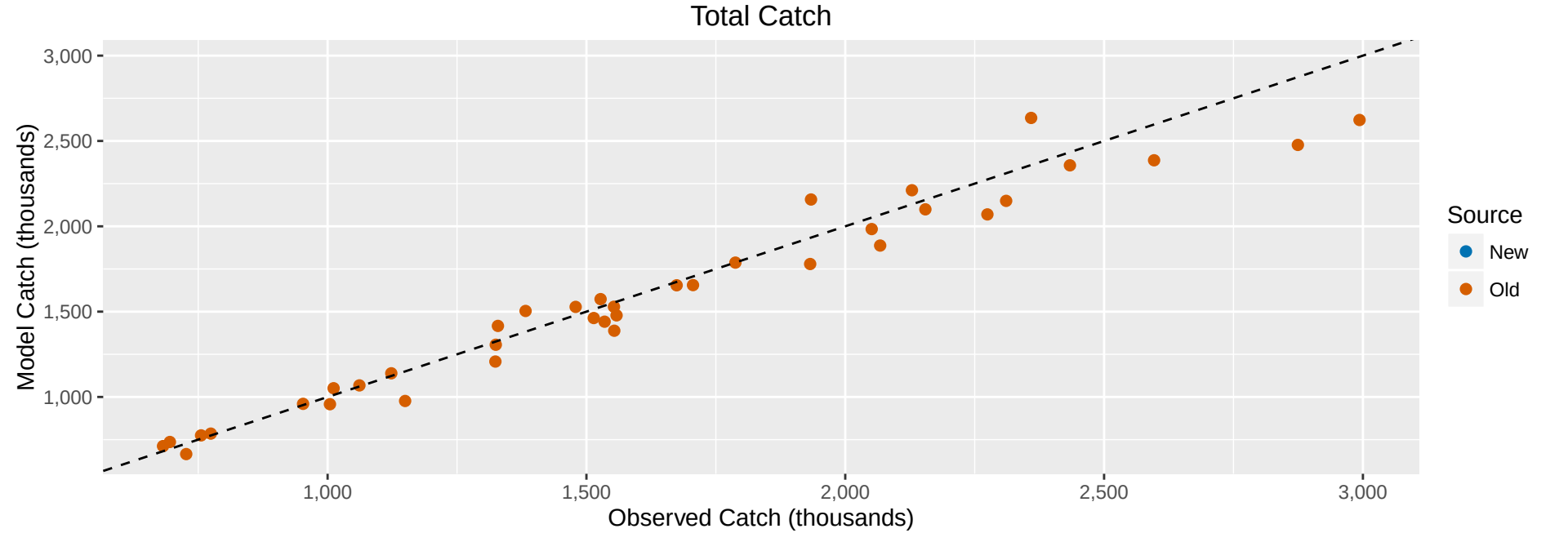
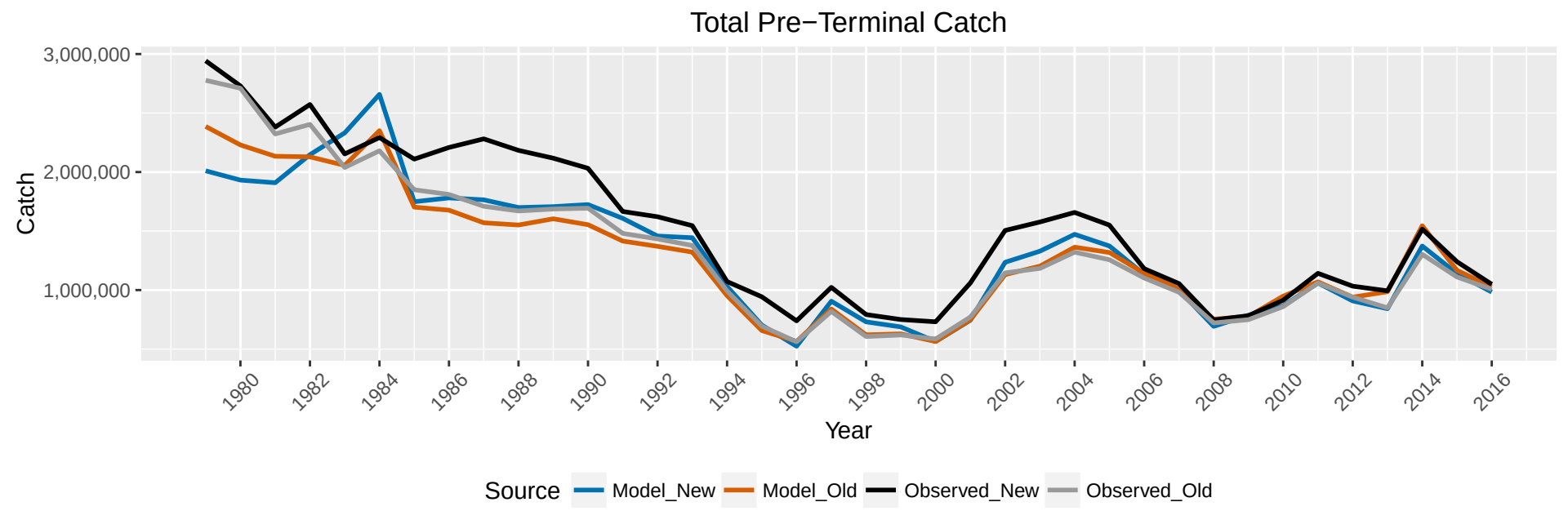
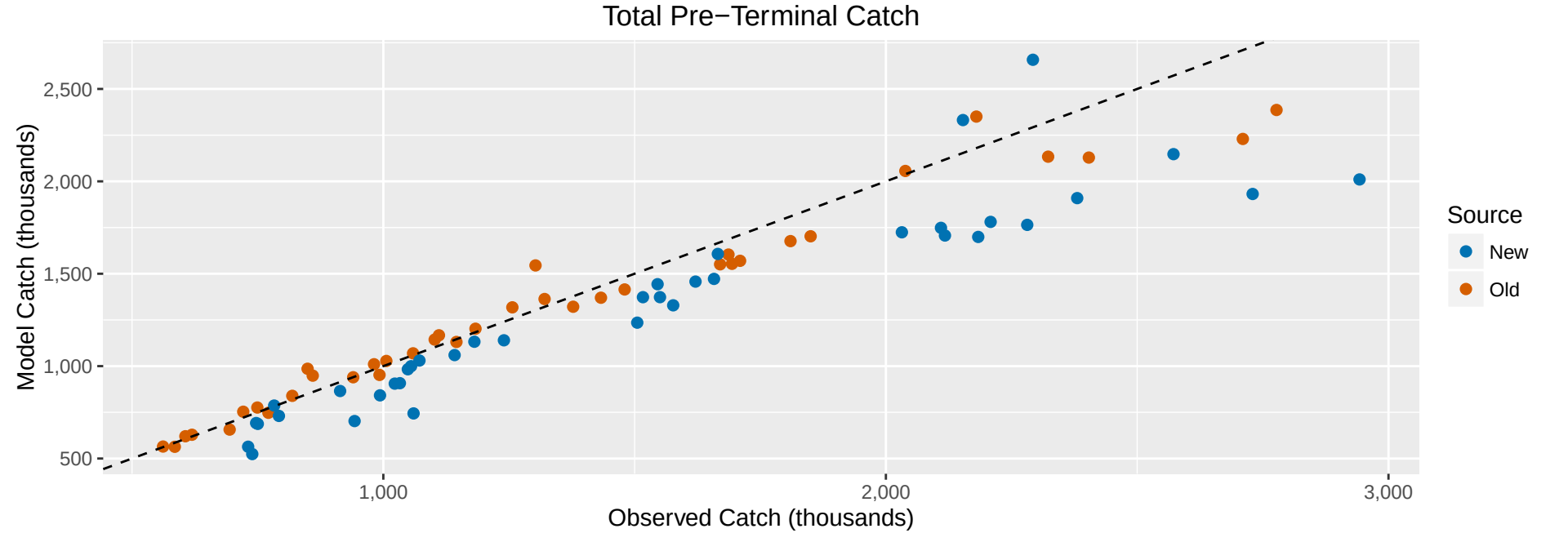
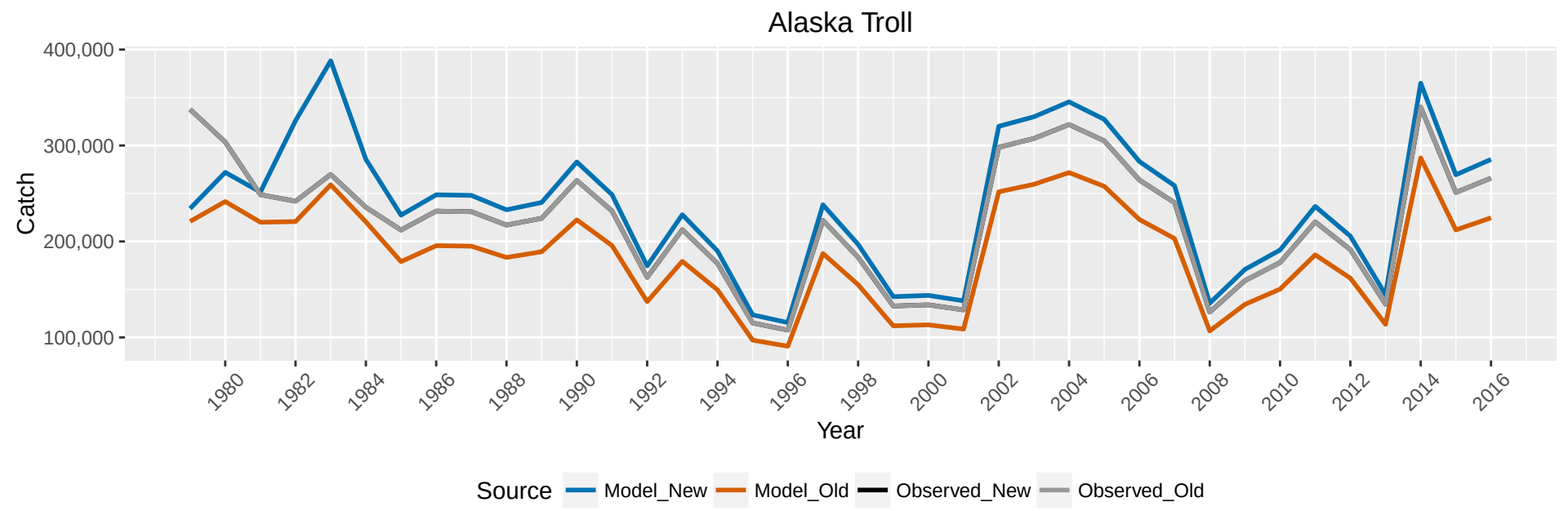
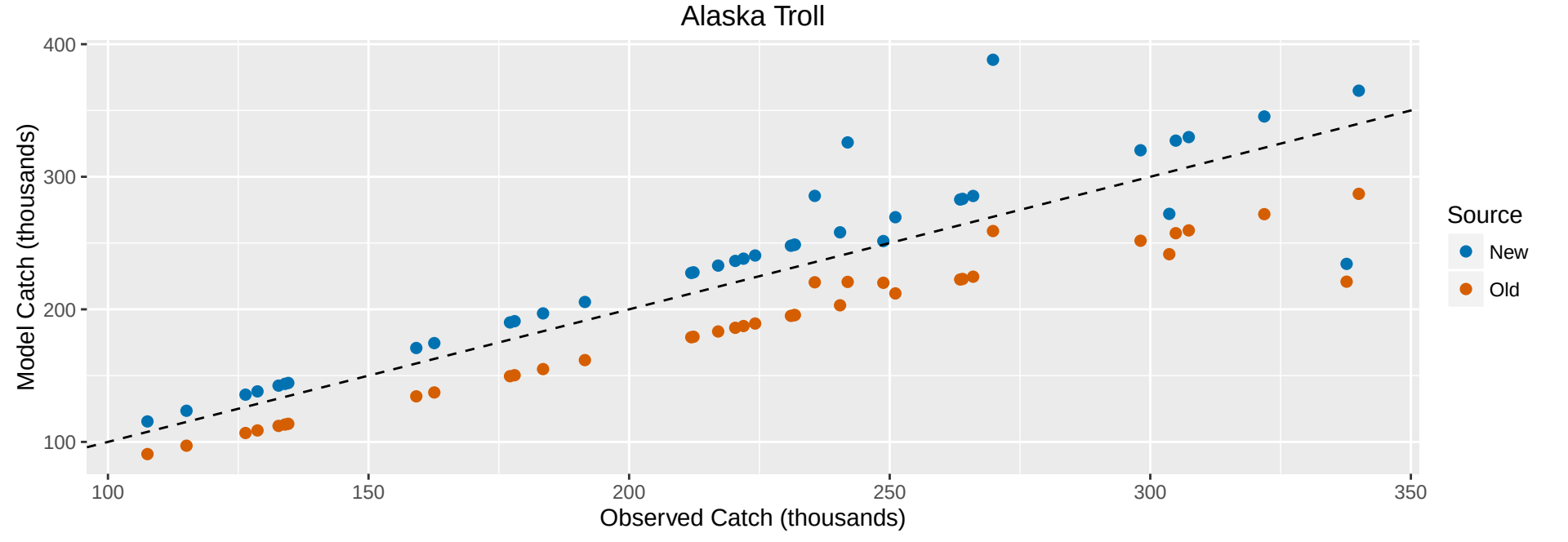

Total Catch
Catch
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

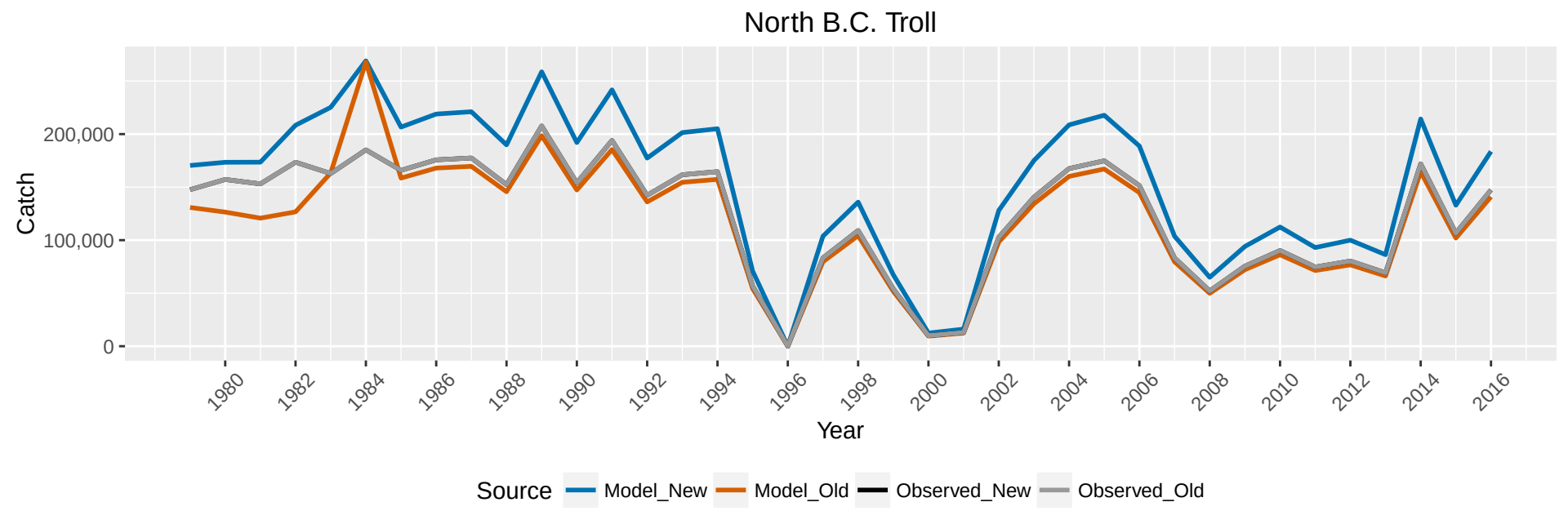

Total Catch
Model Catch (thousands)
3,000
2,500
2,000
1,500
1,000
1,000
1,500
2,000
2,500
3,000
Observed Catch (thousands)
Source
New
Old

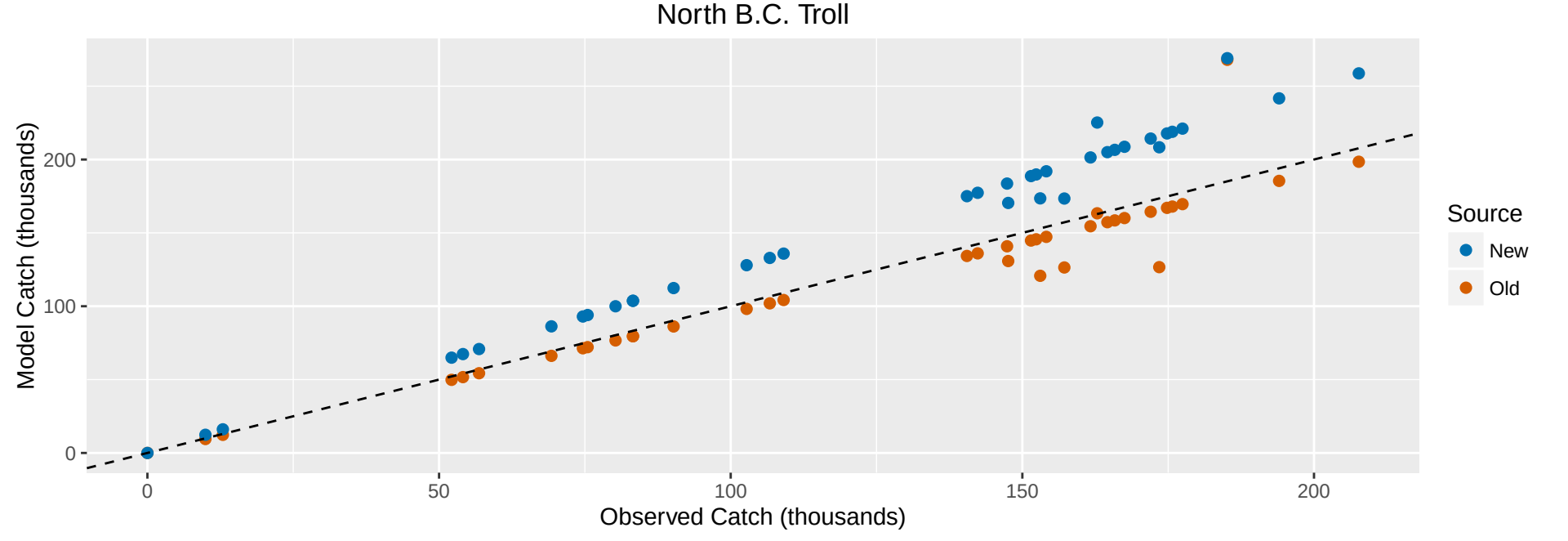

Total Pre−Terminal Catch
3,000,000
2,000,000
1,000,000
Catch
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

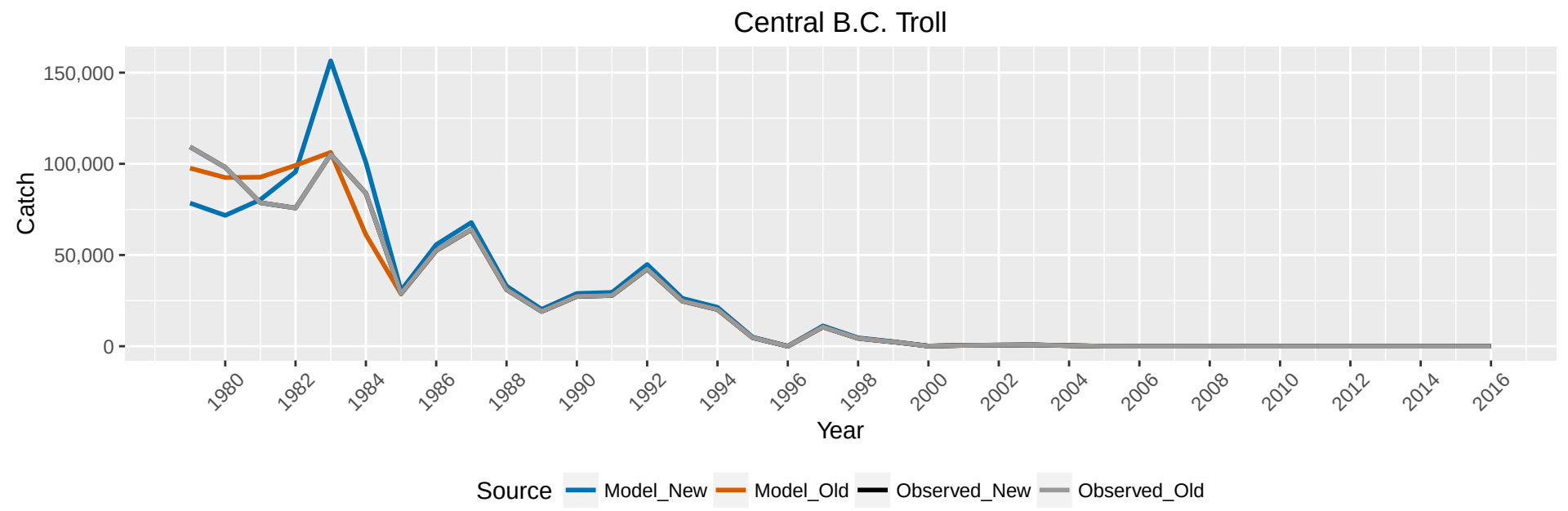

Total Pre−Terminal Catch
2,500
2,000
1,500
1,000
500
Model Catch (thousands)
1,000
2,000
3,000
Observed Catch (thousands)
Source
New
Old

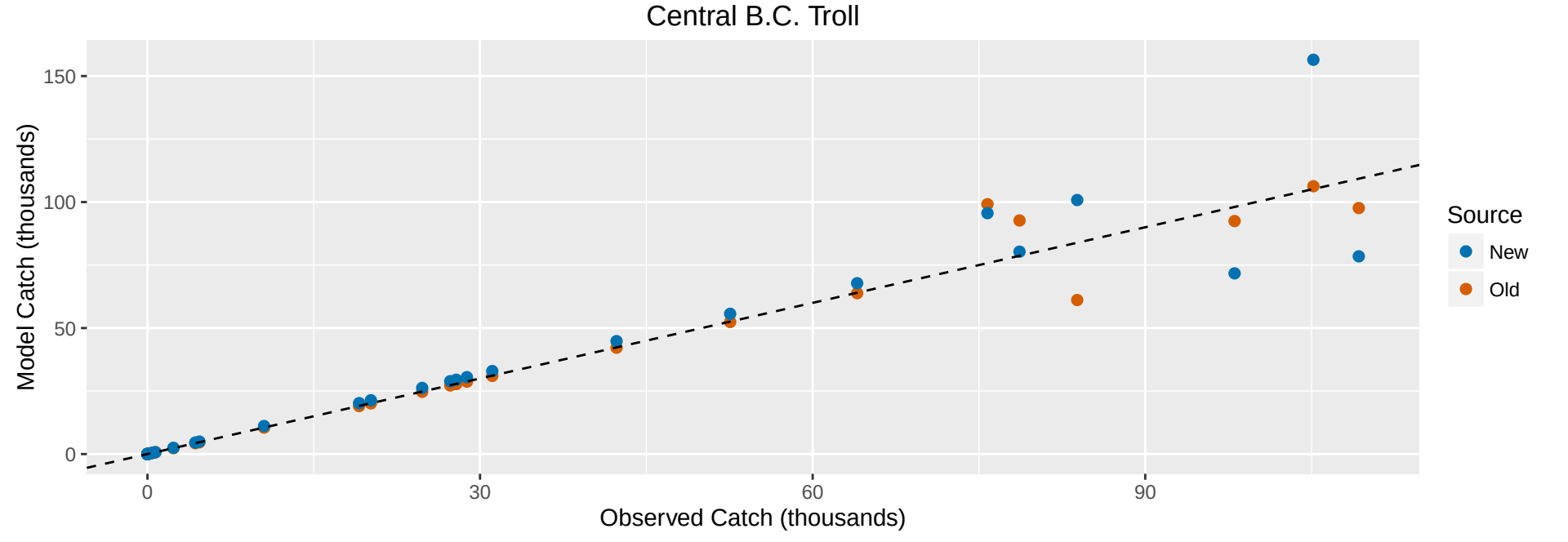

Alaska Troll
Catch
400,000
300,000
200,000
100,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

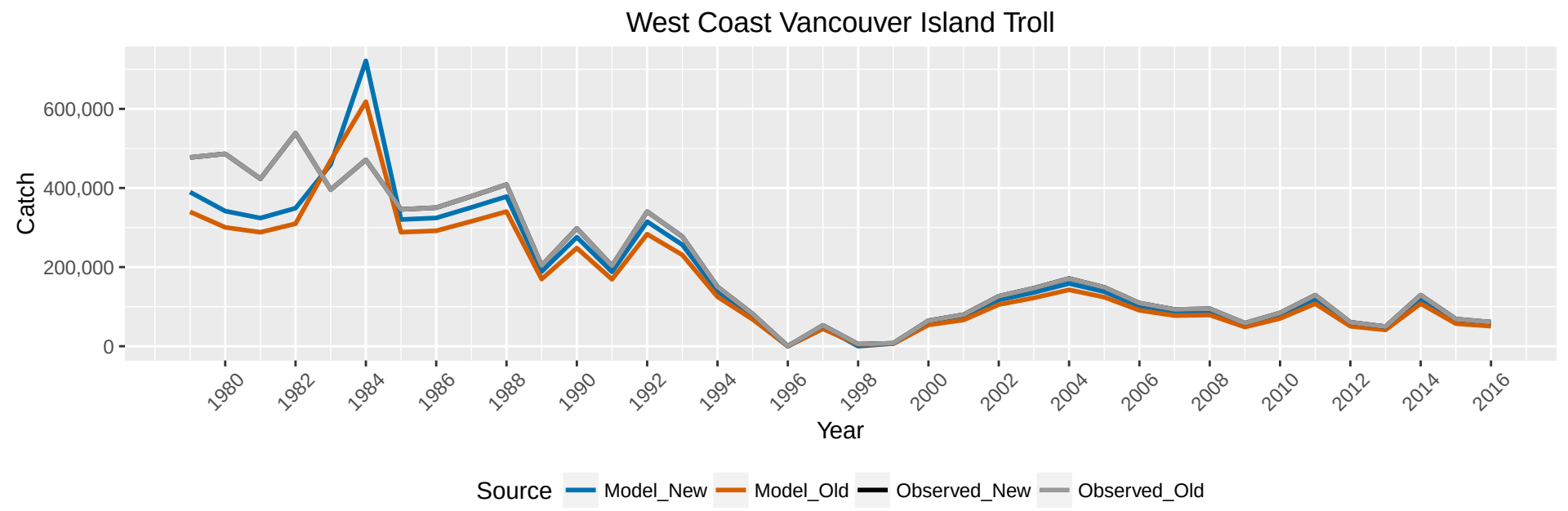

Alaska Troll
Model Catch (thousands)
400
300
200
100
100
150
200
250
300
350
Observed Catch (thousands)
Source
New
Old

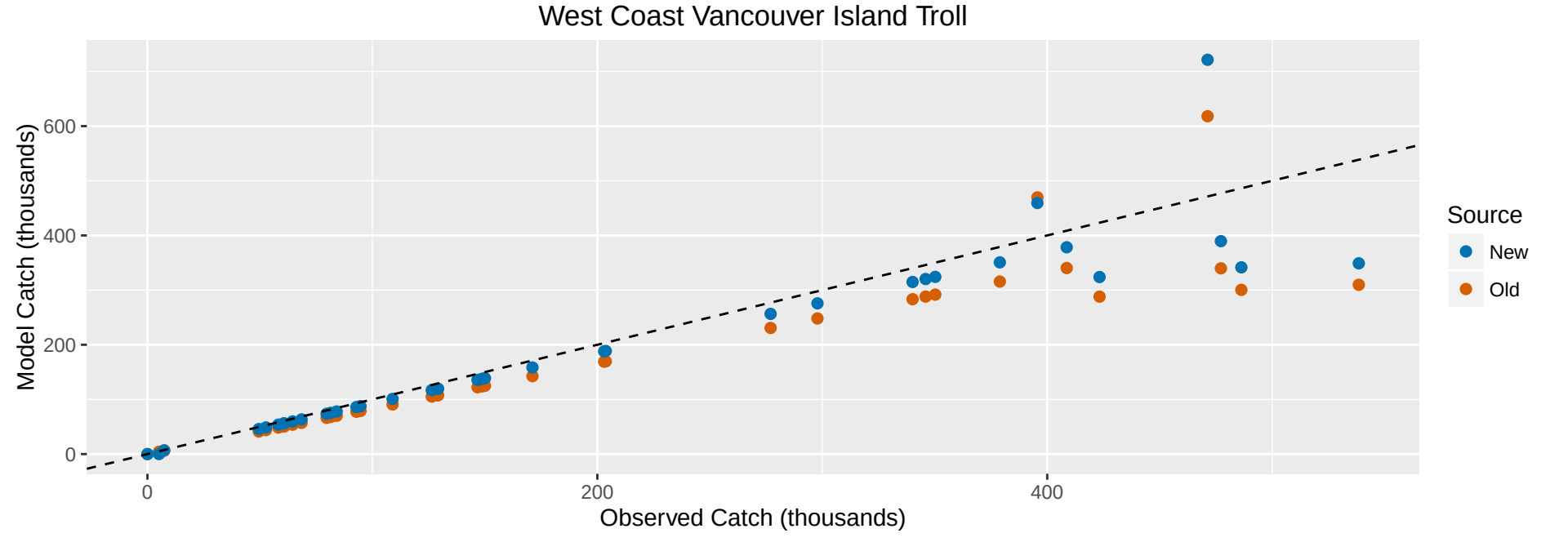

North B.C. Troll
Catch
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

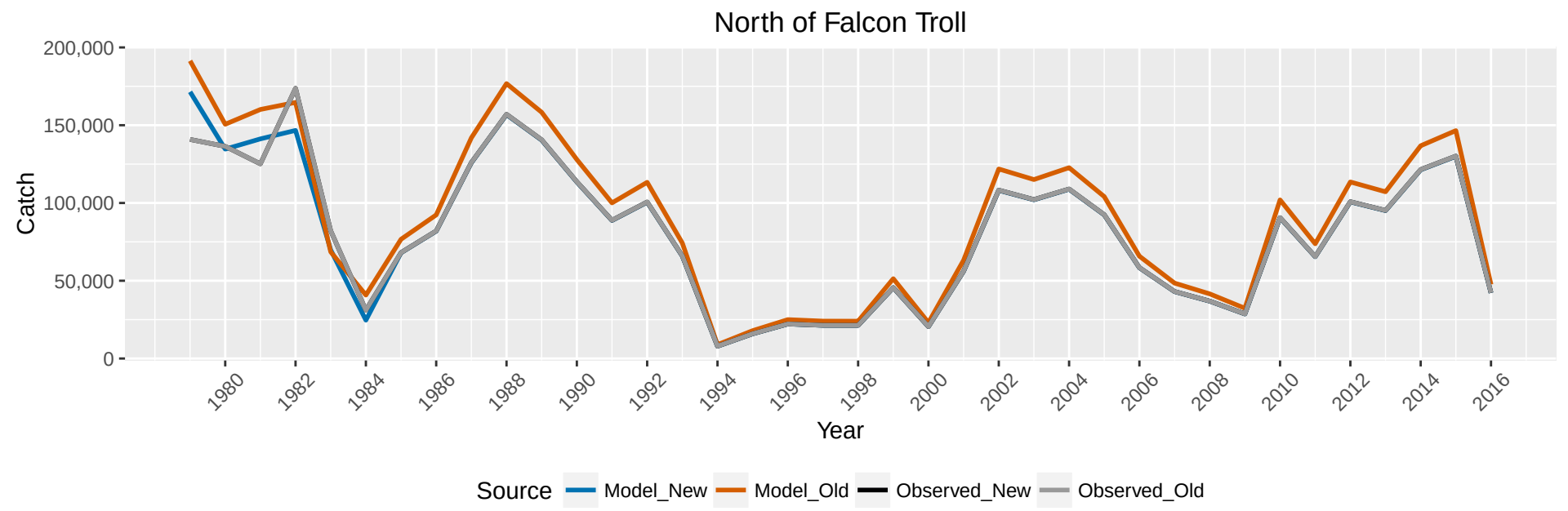

North B.C. Troll
Model Catch (thousands)
200
100
0
0
50
100
150
200
Observed Catch (thousands)
Source
New
Old

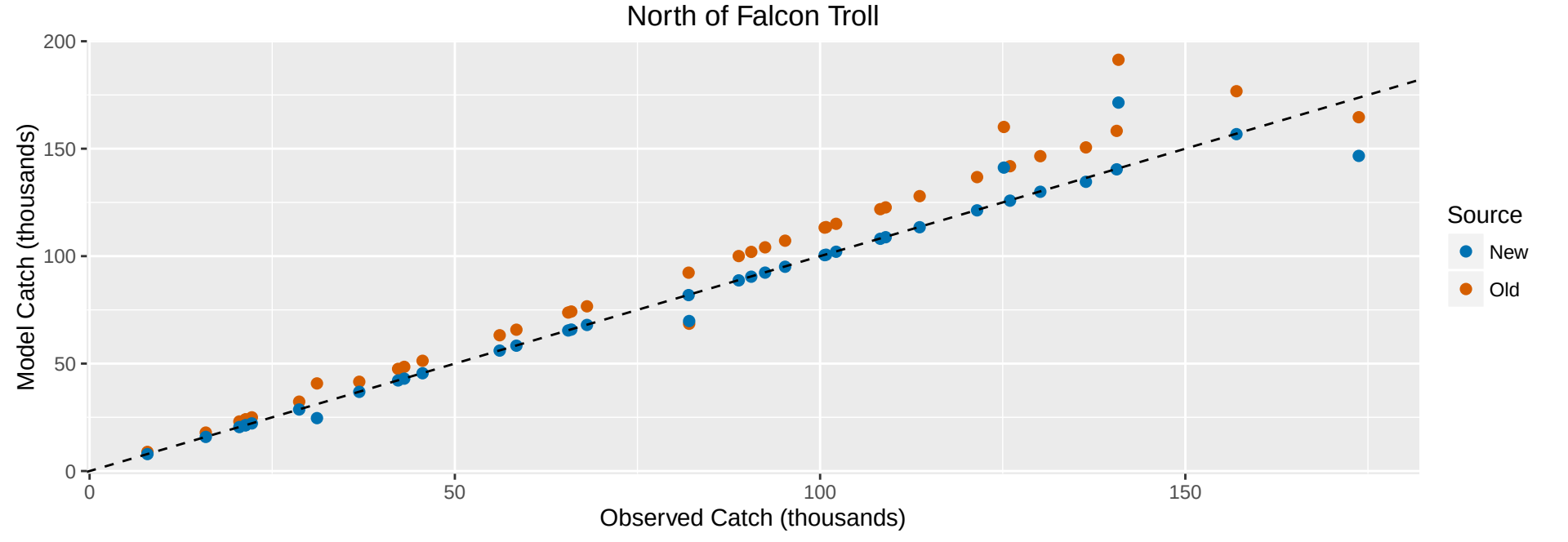

Central B.C. Troll
Catch
150,000
100,000
50,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

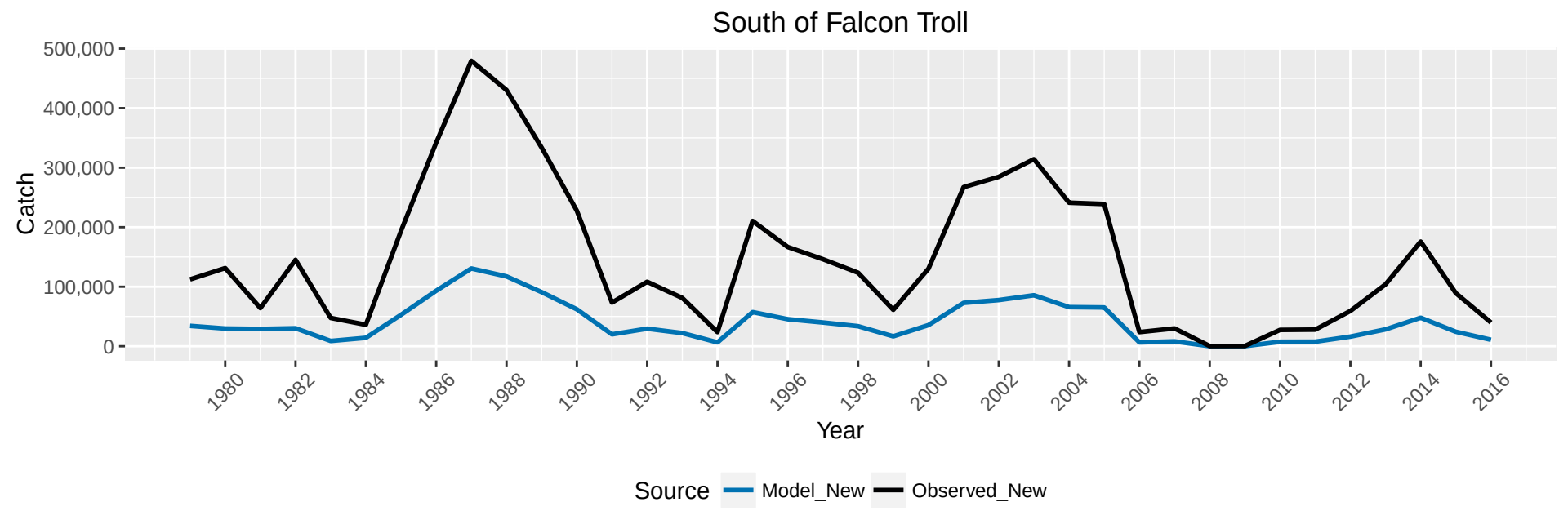

Central B.C. Troll
Model Catch (thousands)
150
100
50
0
0
30
60
90
Observed Catch (thousands)
Source
New
Old

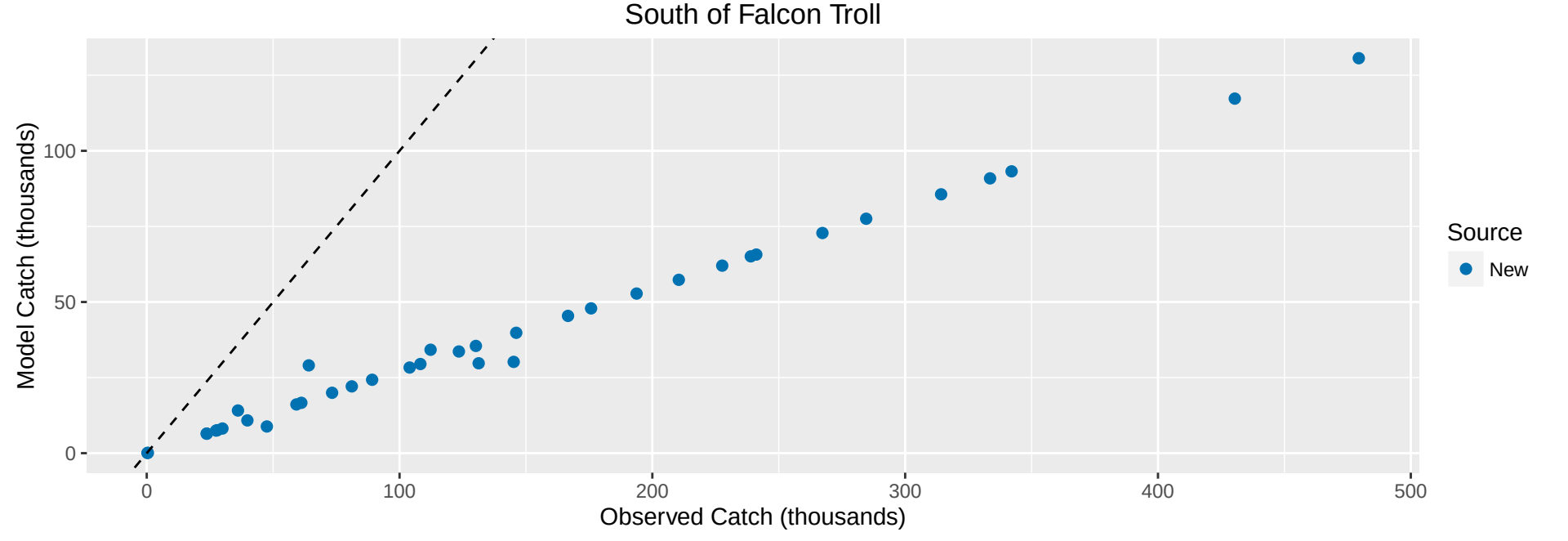

West Coast Vancouver Island Troll
Catch
600,000
400,000
200,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

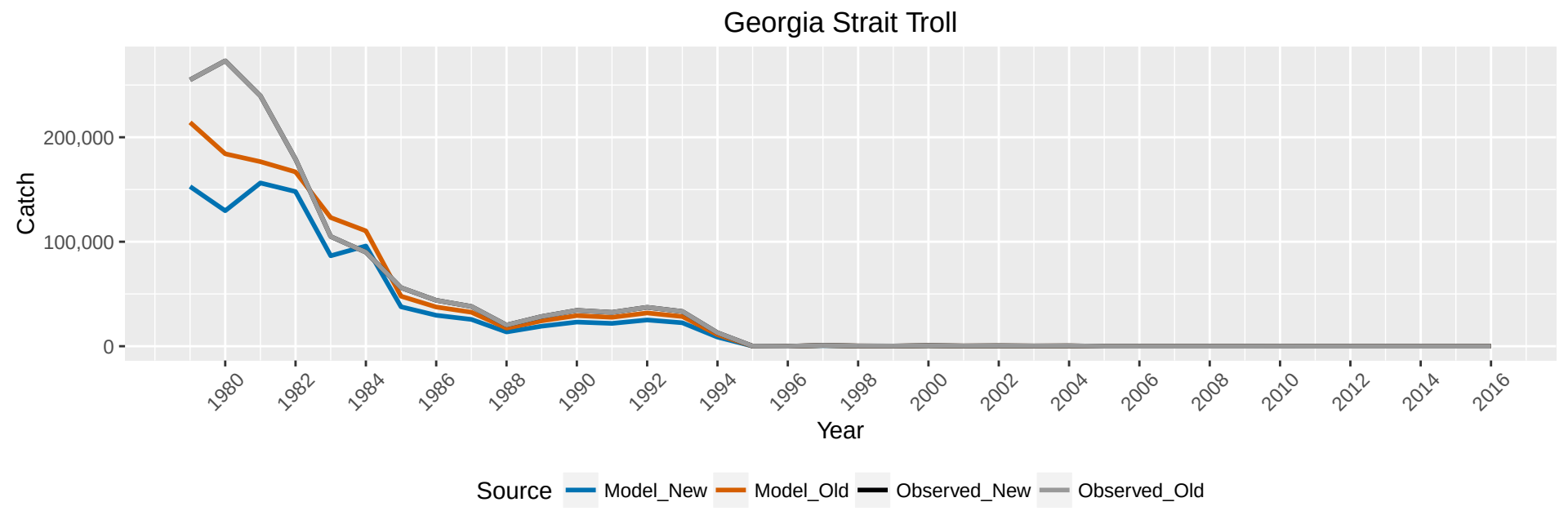

West Coast Vancouver Island Troll
Model Catch (thousands)
600
400
200
0
0
200
400
Observed Catch (thousands)
Source
New
Old

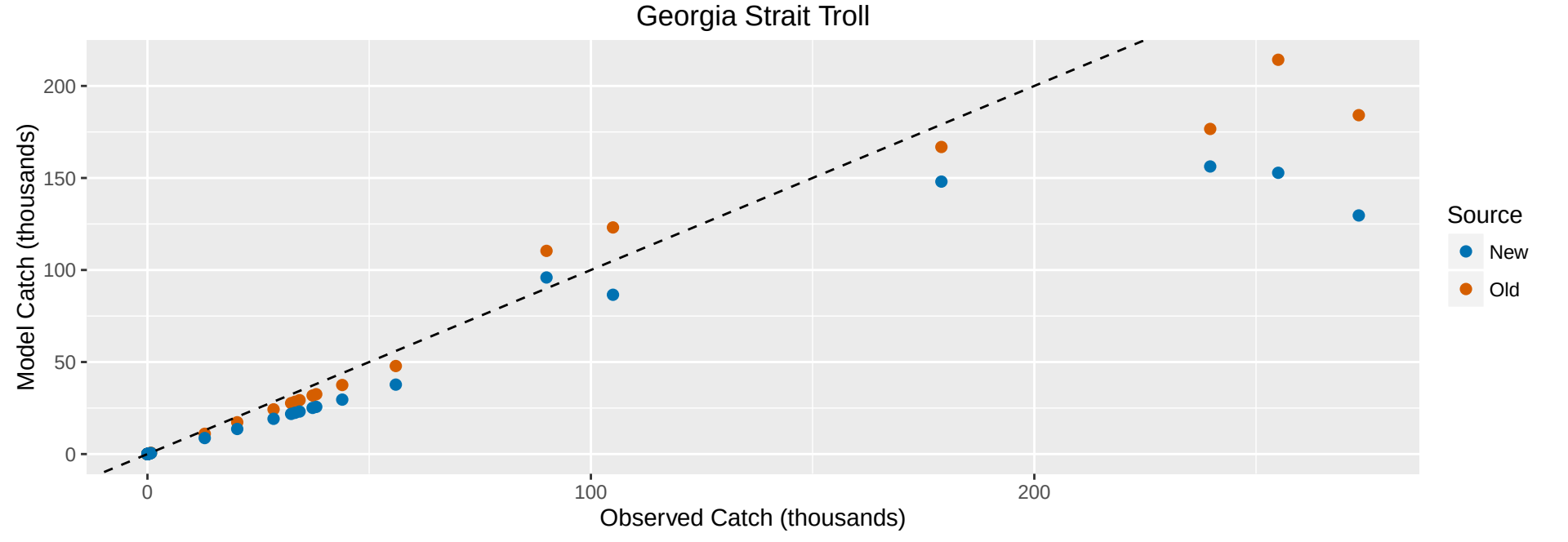

North of Falcon Troll
Catch
200,000
150,000
100,000
50,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

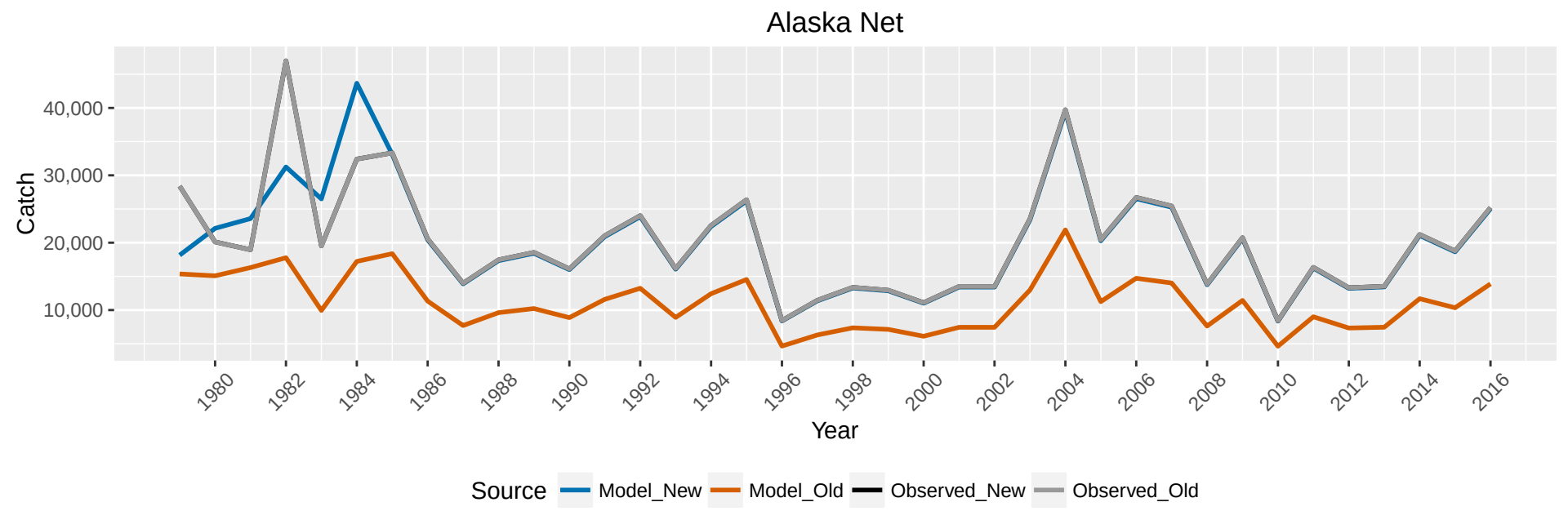

North of Falcon Troll
Model Catch (thousands)
200
150
100
50
0
0
50
100
150
Observed Catch (thousands)
Source
New
Old

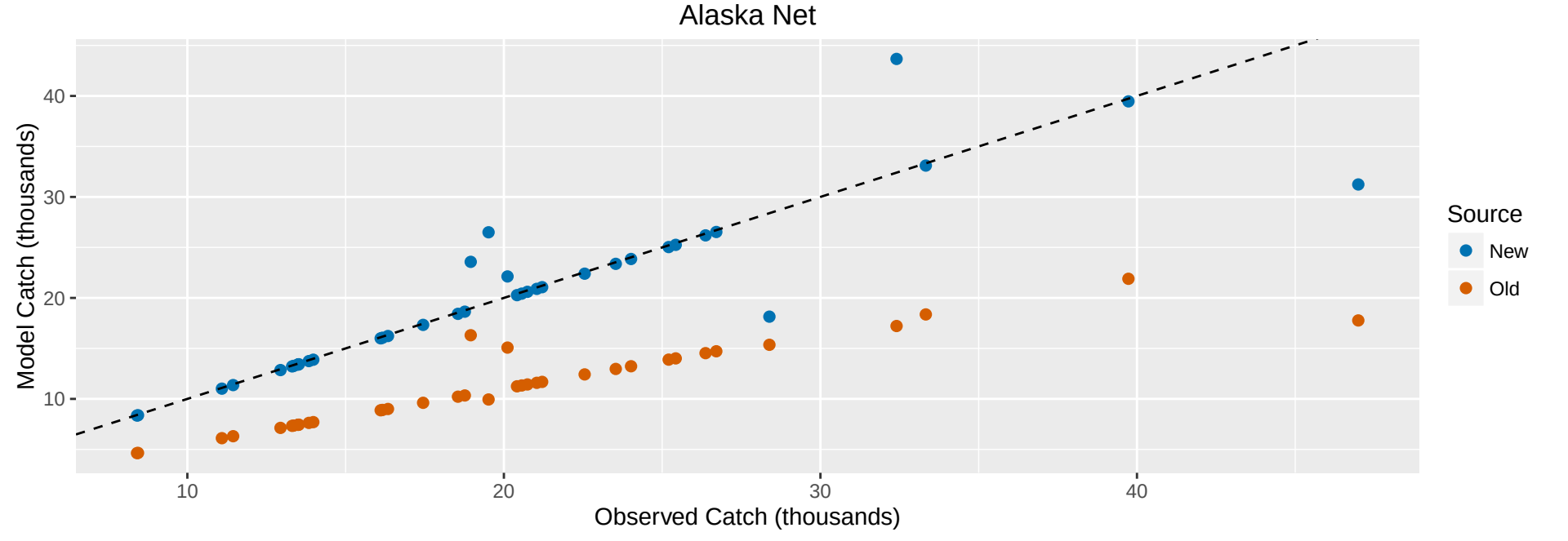

South of Falcon Troll
Catch
500,000
400,000
300,000
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Observed_New

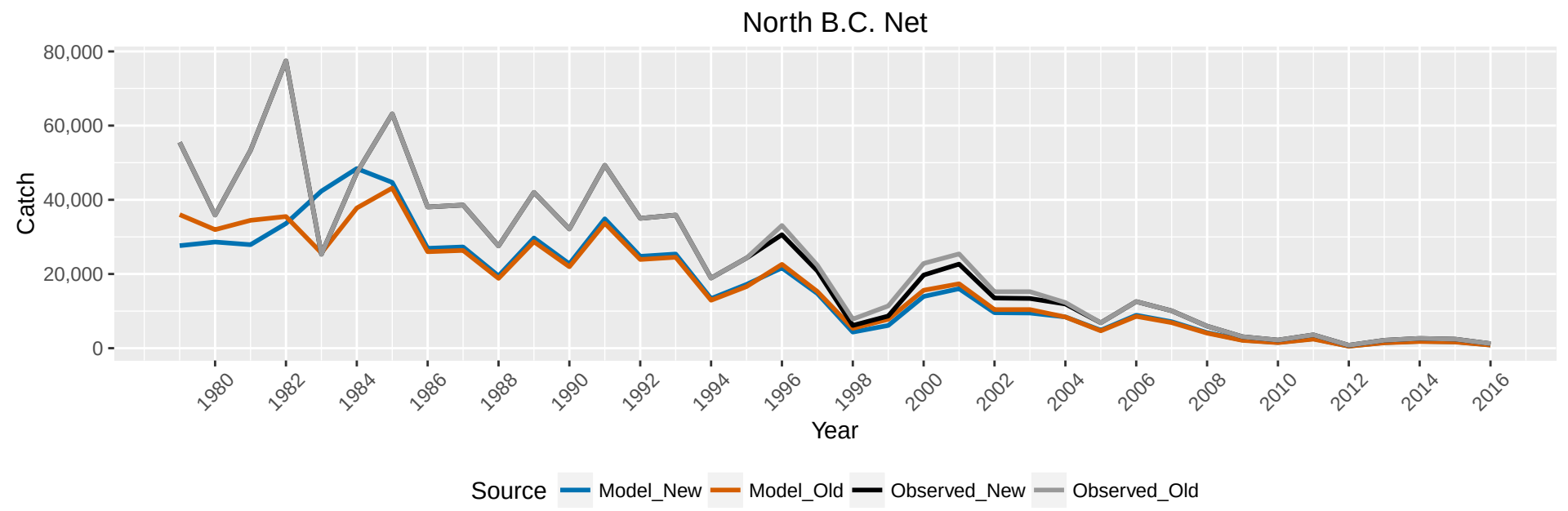

South of Falcon Troll
Model Catch (thousands)
100
50
0
0
100
200
300
400
500
Observed Catch (thousands)
Source
New

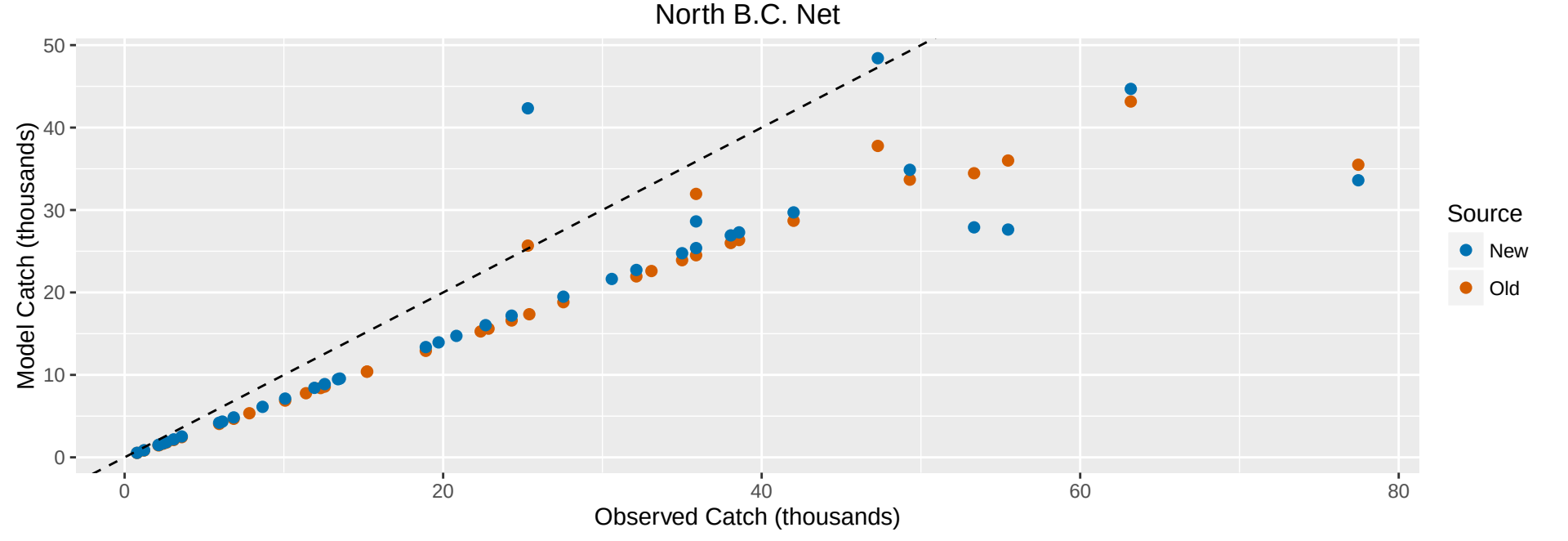

Georgia Strait Troll
Catch
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

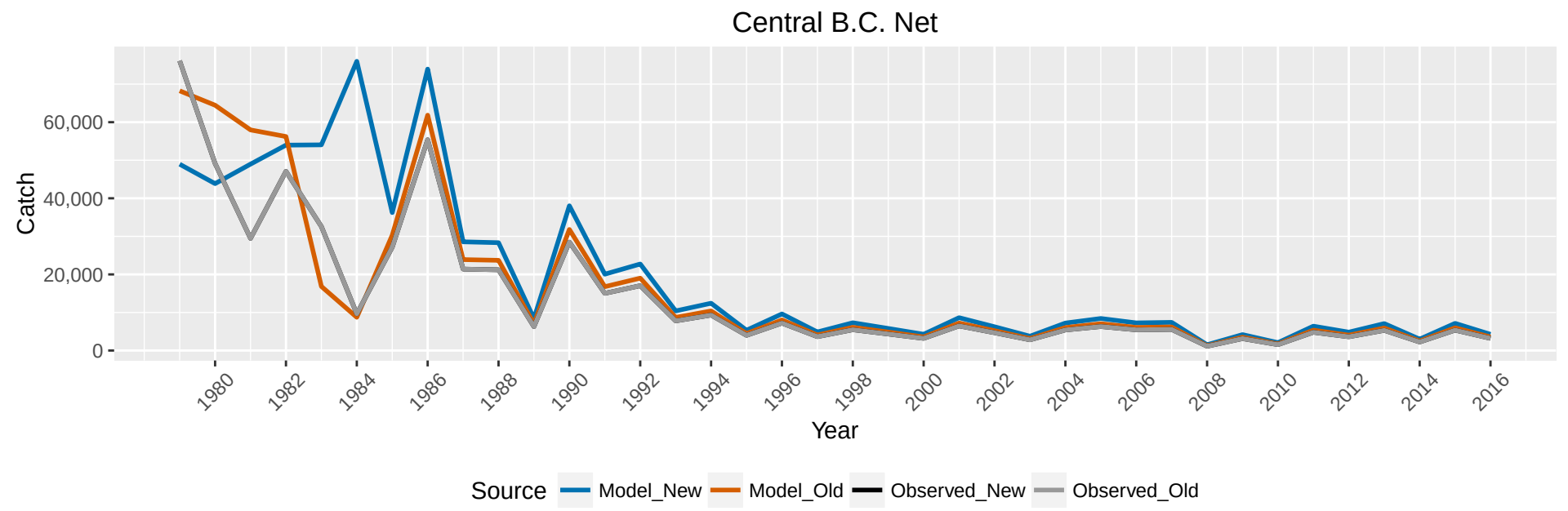

Georgia Strait Troll
Model Catch (thousands)
200
150
100
50
0
0
100
200
Observed Catch (thousands)
Source
New
Old

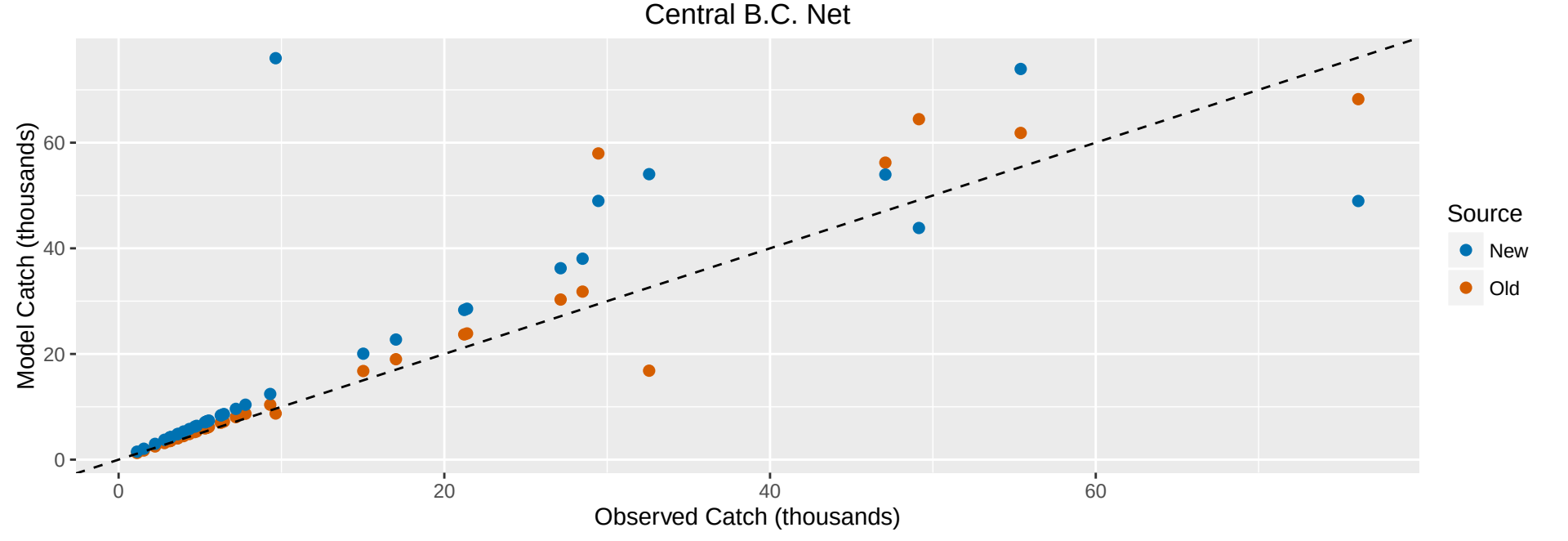

Alaska Net
Catch
40,000
30,000
20,000
10,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

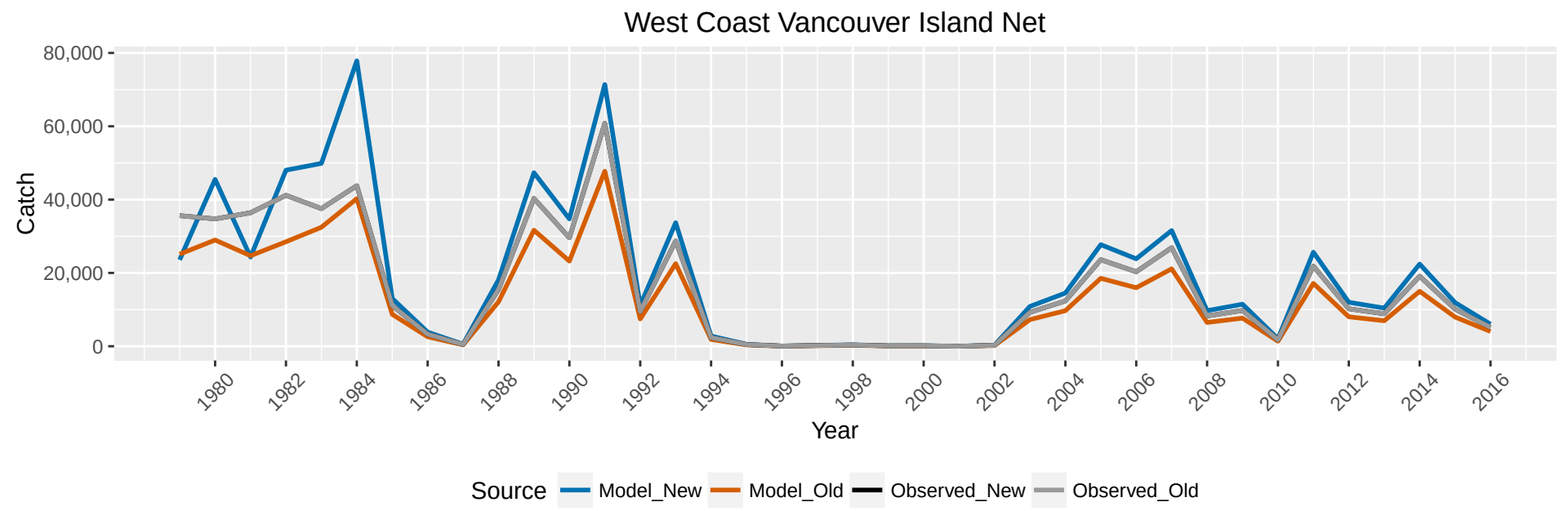

Alaska Net
Model Catch (thousands)
40
30
20
10
10
20
30
40
Observed Catch (thousands)
Source
New
Old

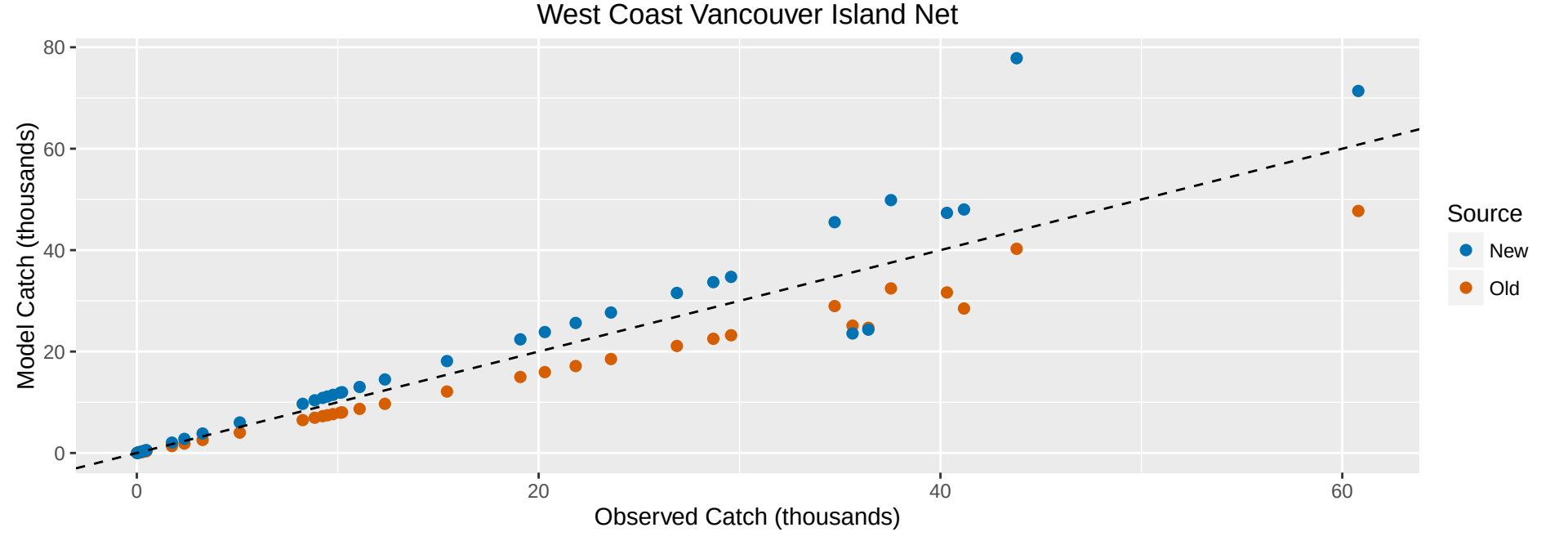

North B.C. Net
Catch
80,000
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

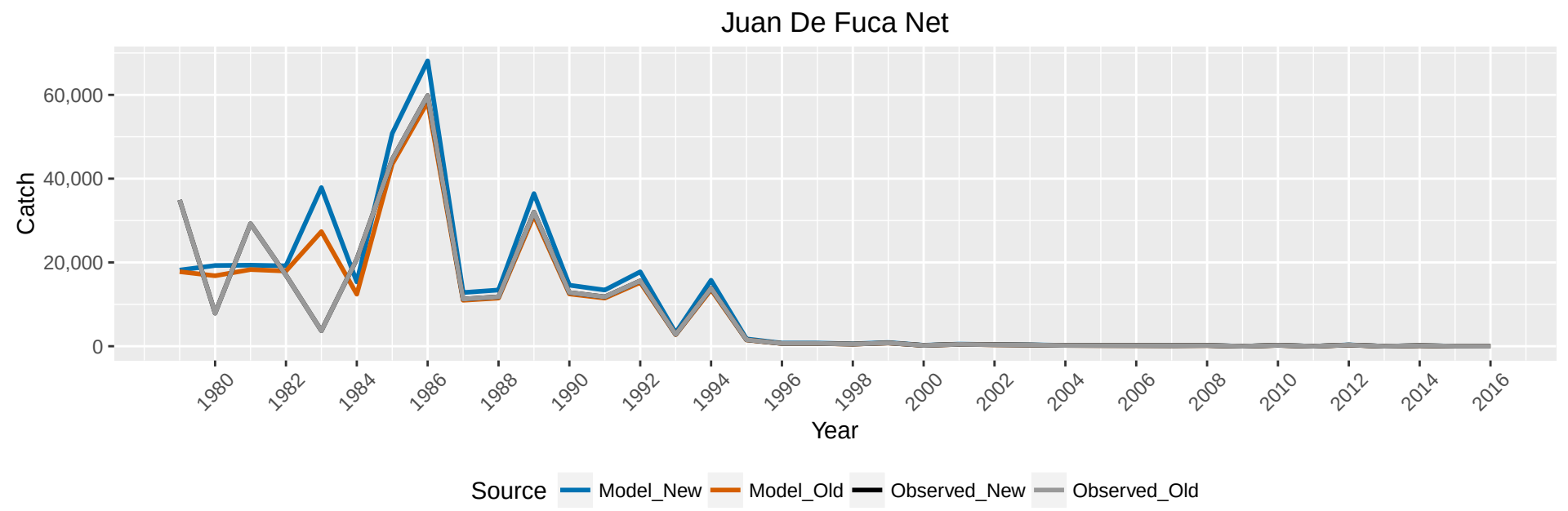

North B.C. Net
Model Catch (thousands)
50
40
30
20
10
0
0
20
40
60
80
Observed Catch (thousands)
Source
New
Old

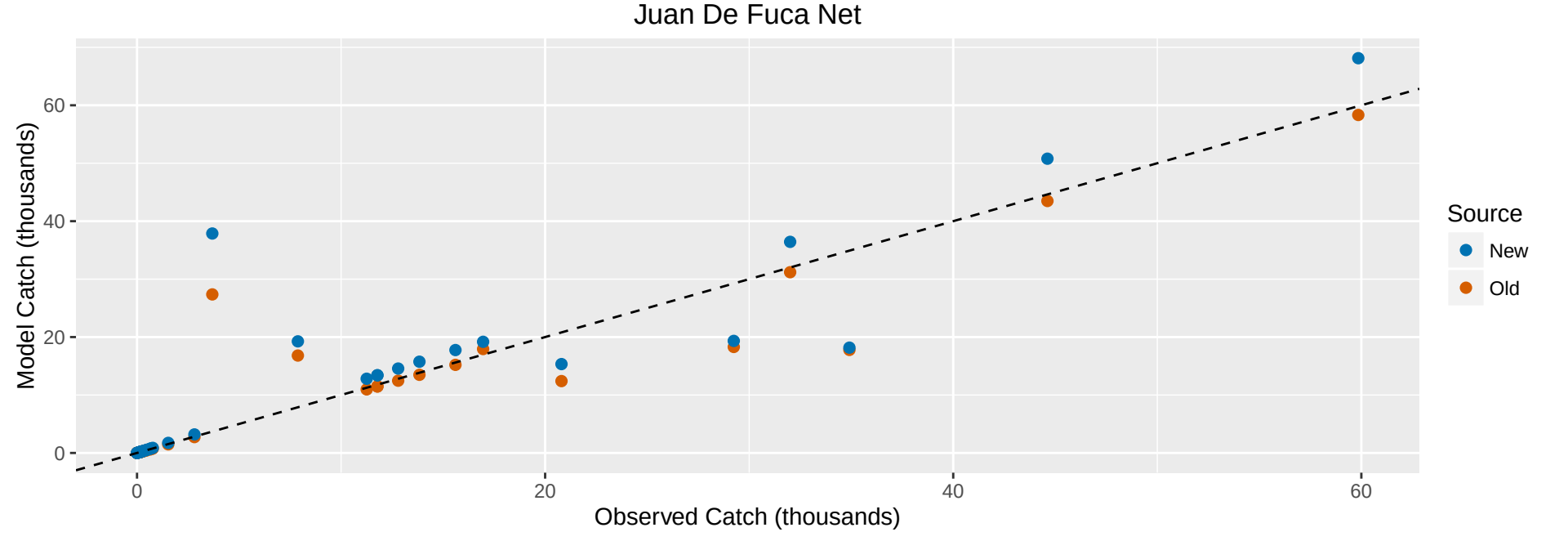

Central B.C. Net
Catch
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

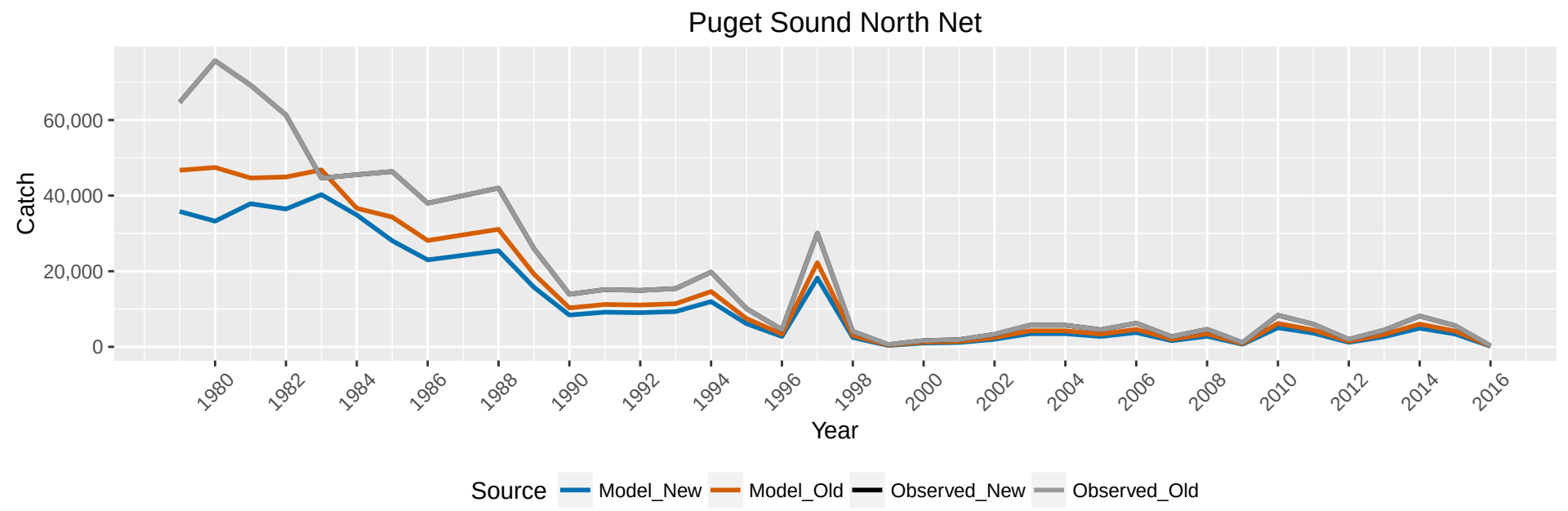

Central B.C. Net
Model Catch (thousands)
60
40
20
0
0
20
40
60
Observed Catch (thousands)
Source
New
Old

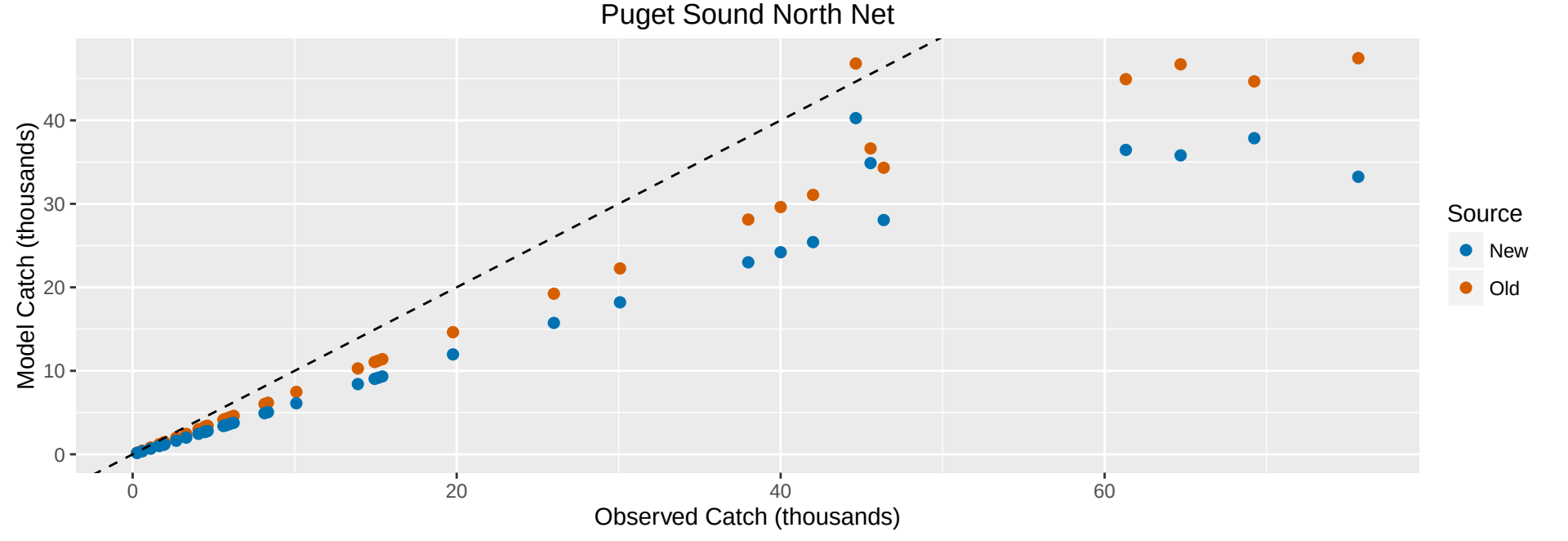

West Coast Vancouver Island Net
Catch
80,000
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

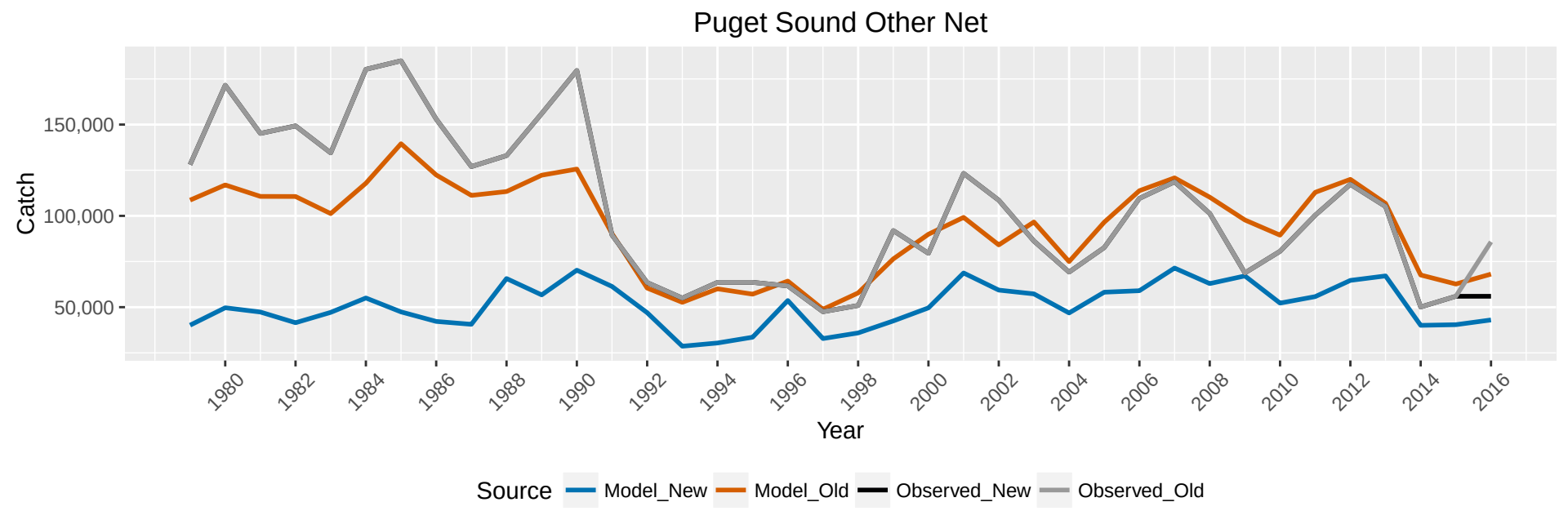

West Coast Vancouver Island Net
Model Catch (thousands)
80
60
40
20
0
0
20
40
60
Observed Catch (thousands)
Source
New
Old

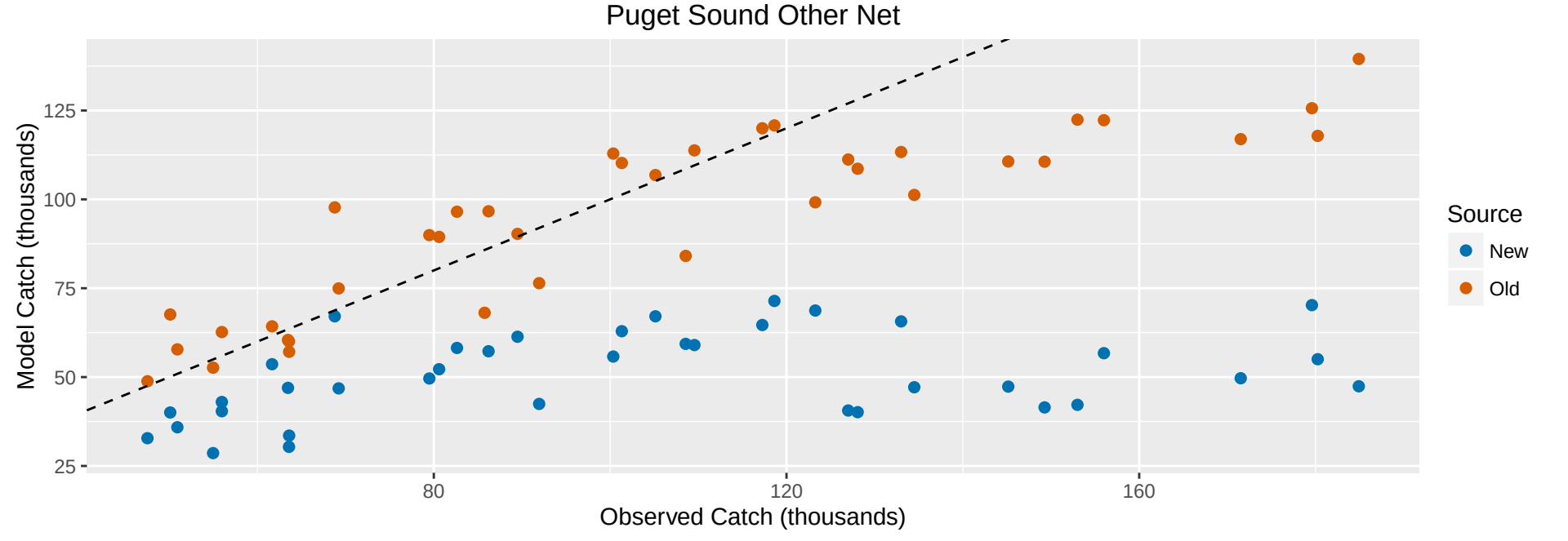

Juan De Fuca Net
Catch
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

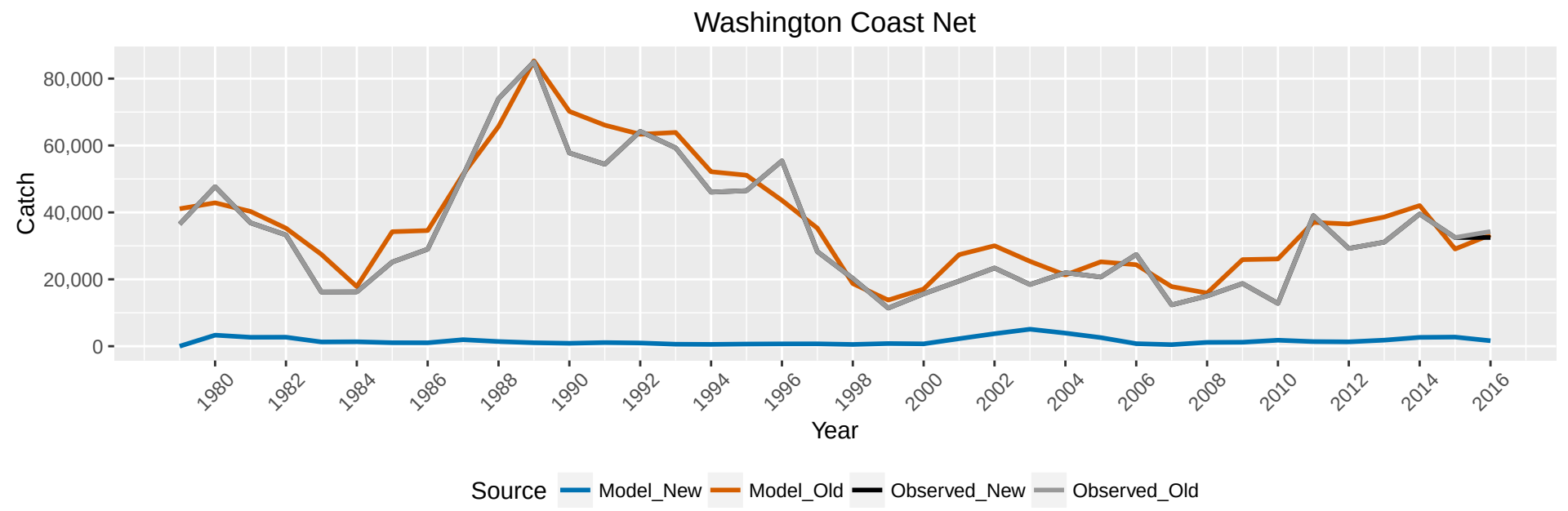

Juan De Fuca Net
Model Catch (thousands)
60
40
20
0
0
20
40
60
Observed Catch (thousands)
Source
New
Old

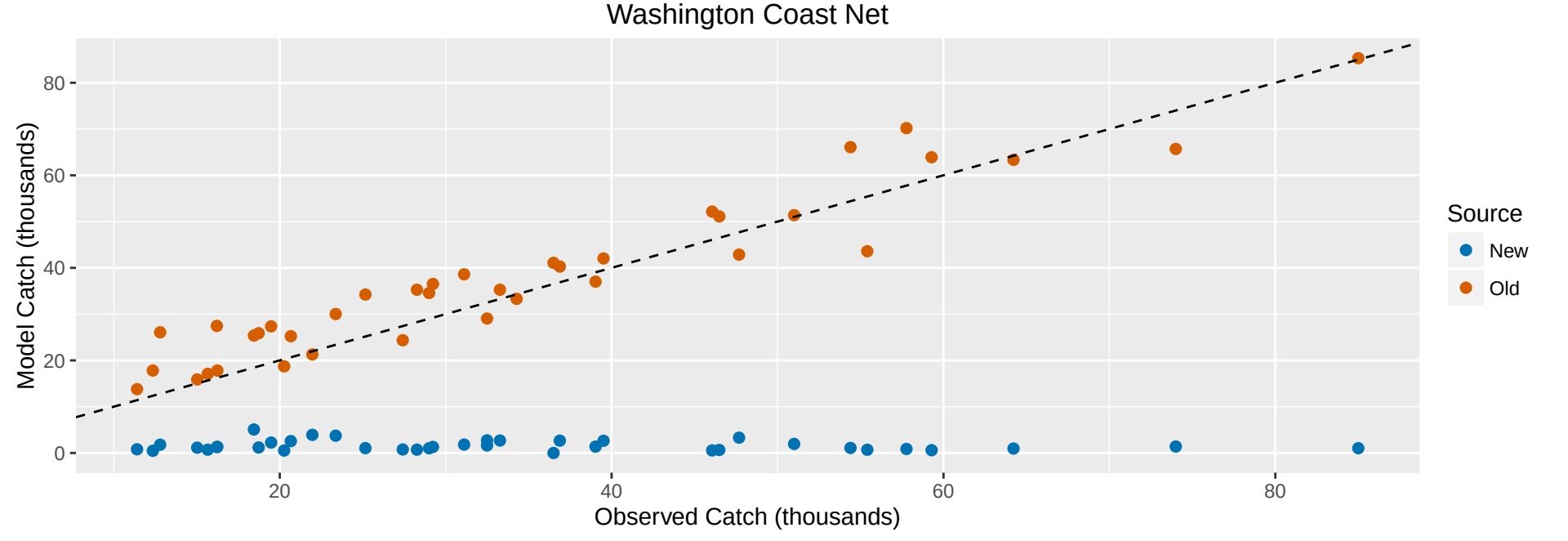

Puget Sound North Net
Catch
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

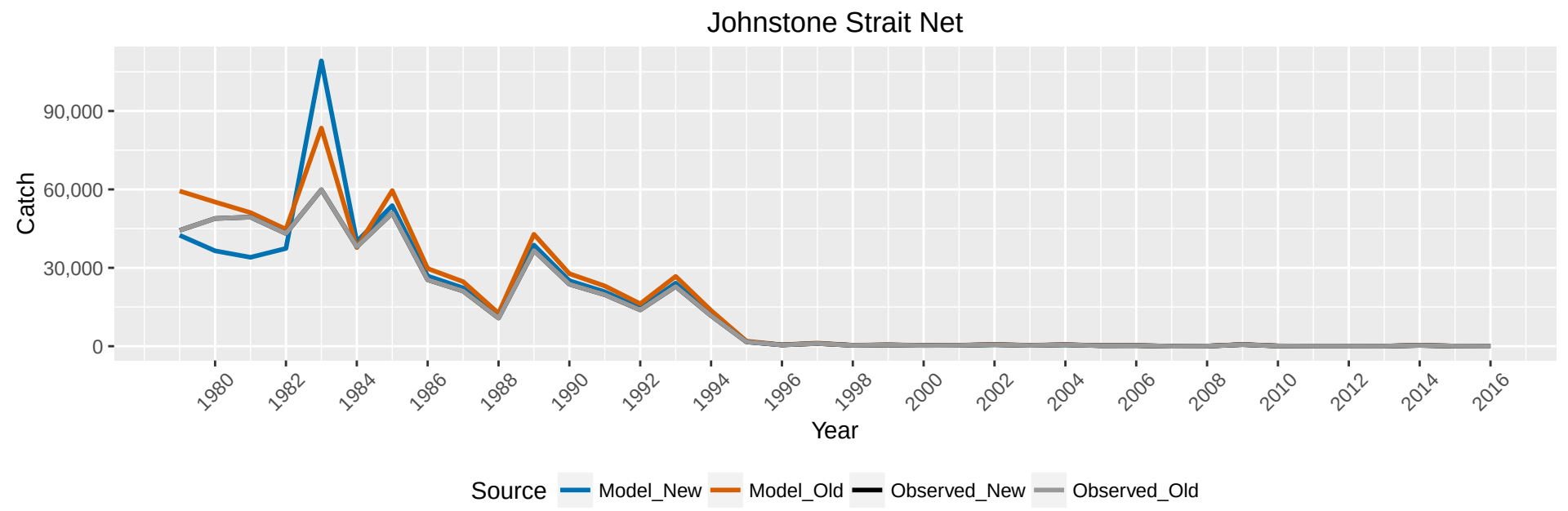

Puget Sound North Net
Model Catch (thousands)
40
30
20
10
0
0
20
40
60
Observed Catch (thousands)
Source
New
Old

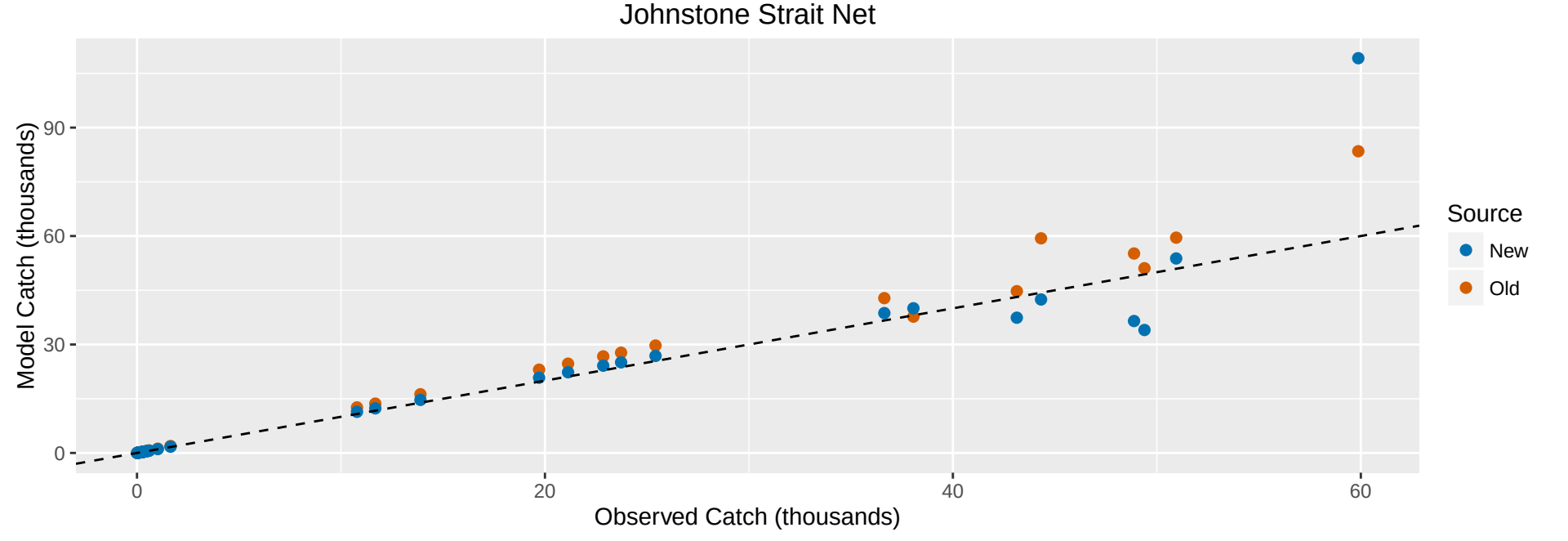

Puget Sound Other Net
Catch
150,000
100,000
50,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

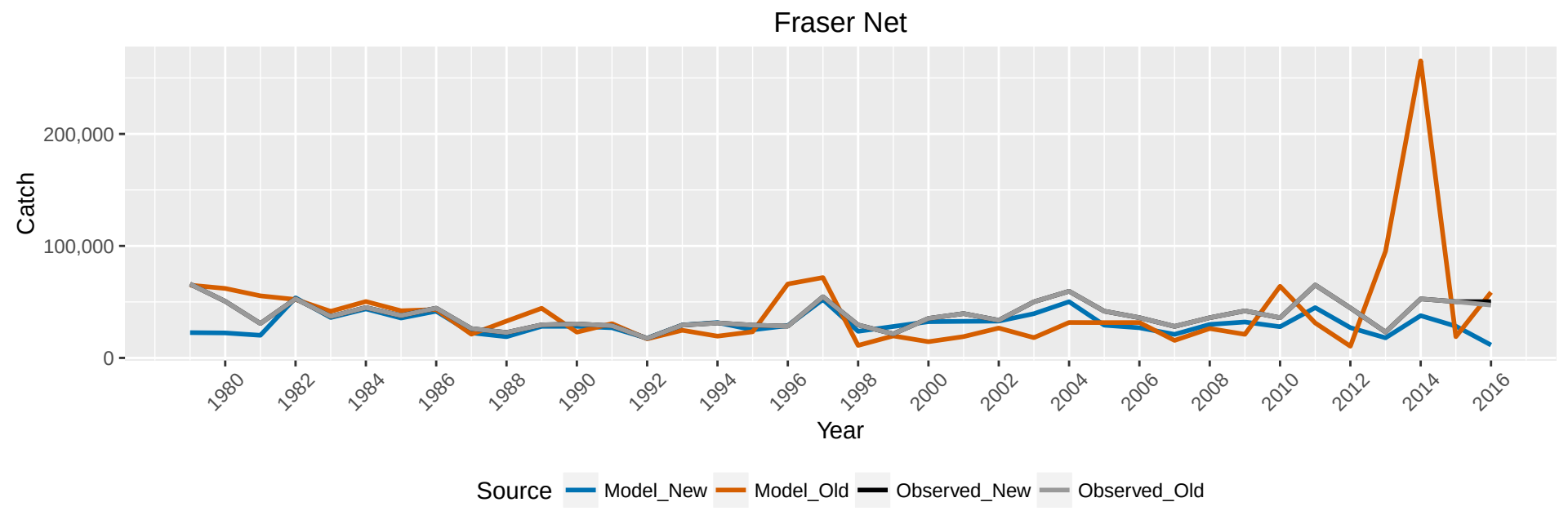

Puget Sound Other Net
Model Catch (thousands)
125
100
75
50
25
80
120
160
Observed Catch (thousands)
Source
New
Old

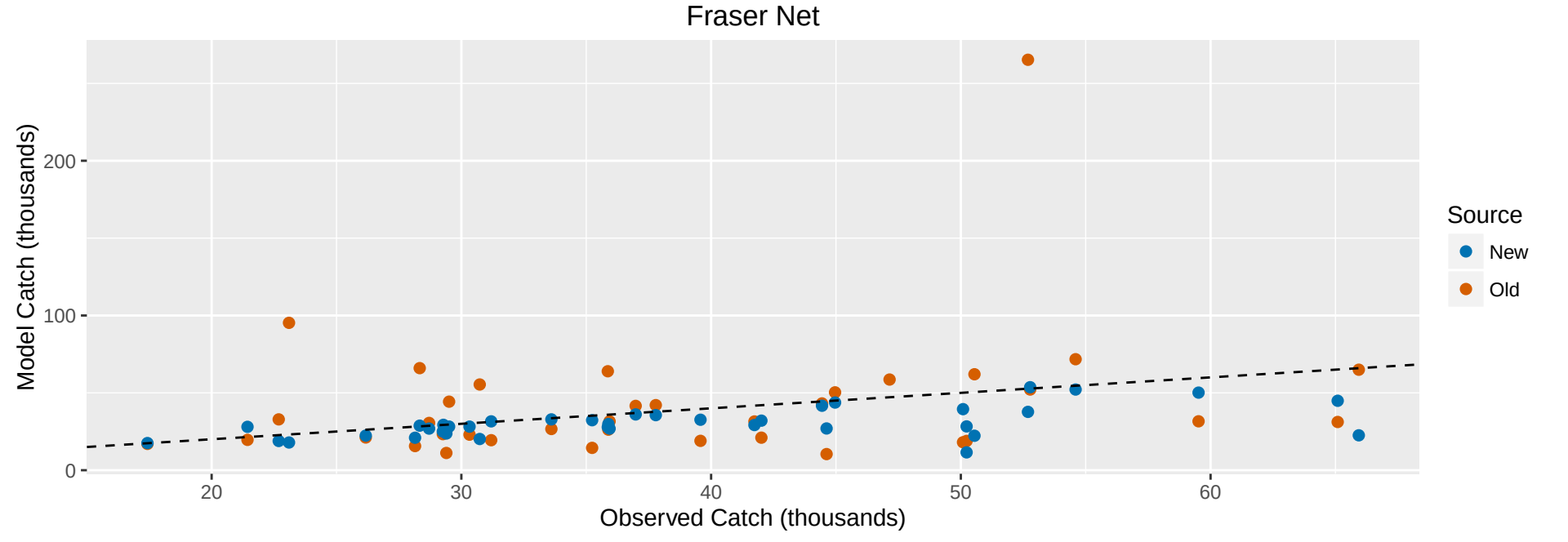

Washington Coast Net
Catch
80,000
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

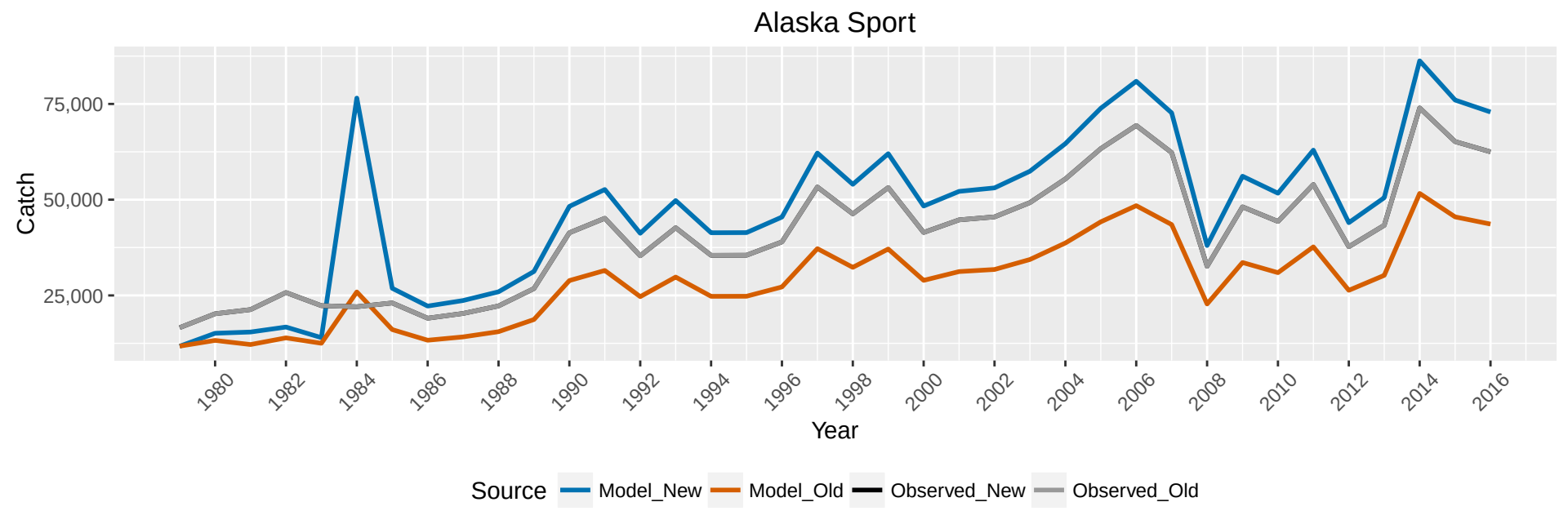

Washington Coast Net
Model Catch (thousands)
80
60
40
20
0
20
40
60
80
Observed Catch (thousands)
Source
New
Old

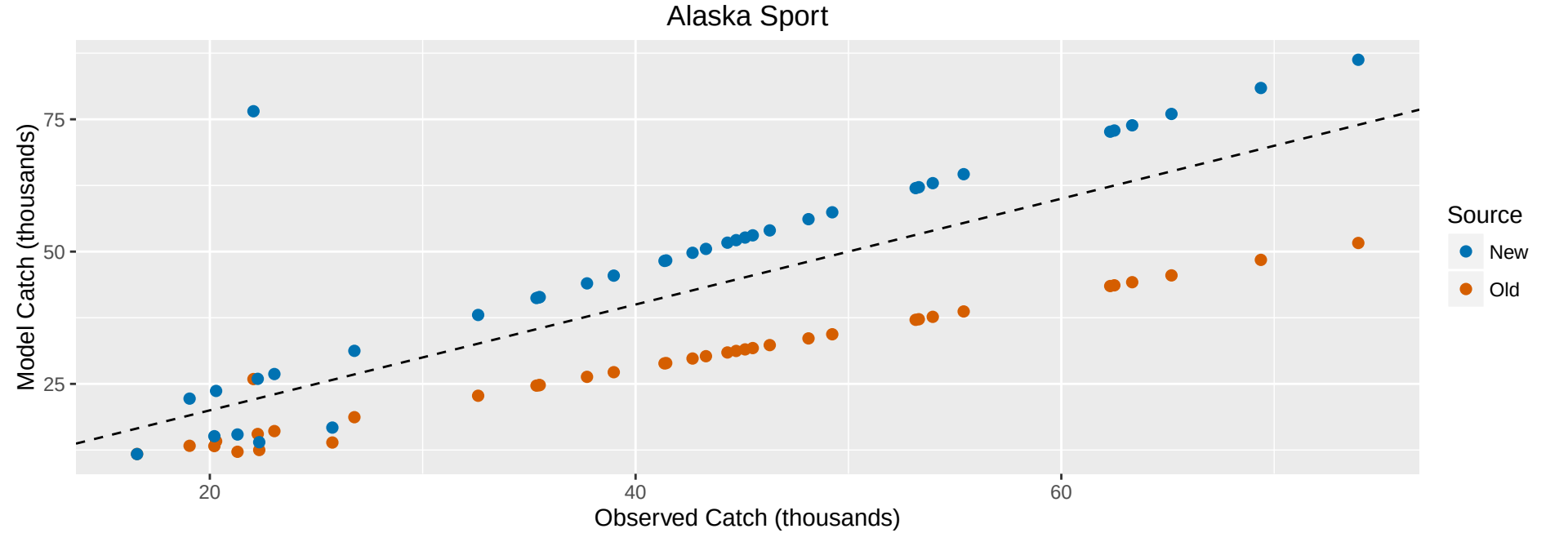

Johnstone Strait Net
Catch
90,000
60,000
30,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

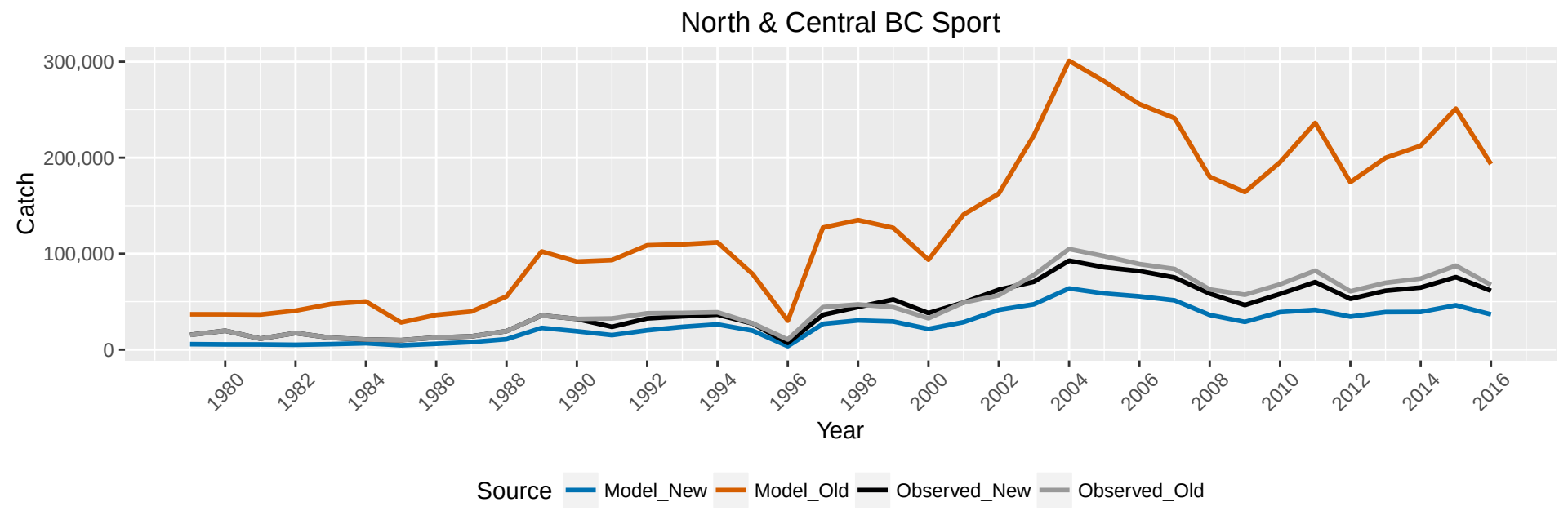

Johnstone Strait Net
Model Catch (thousands)
90
60
30
0
0
20
40
60
Observed Catch (thousands)
Source
New
Old

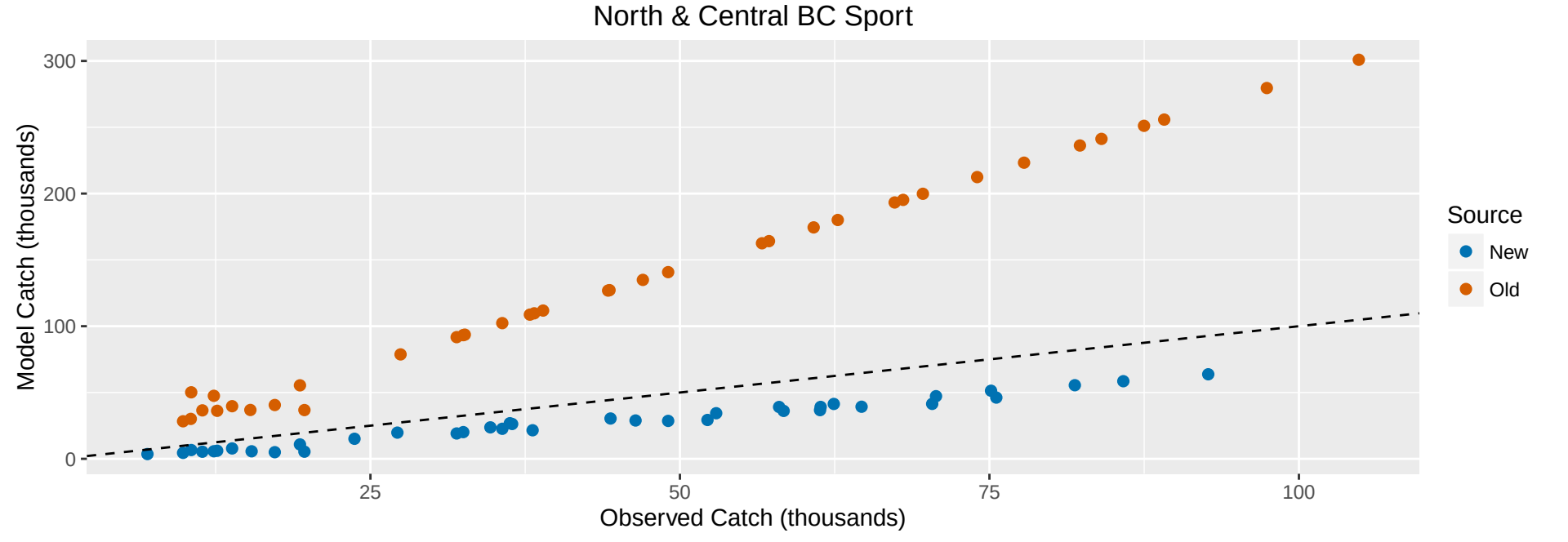

Fraser Net
Catch
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

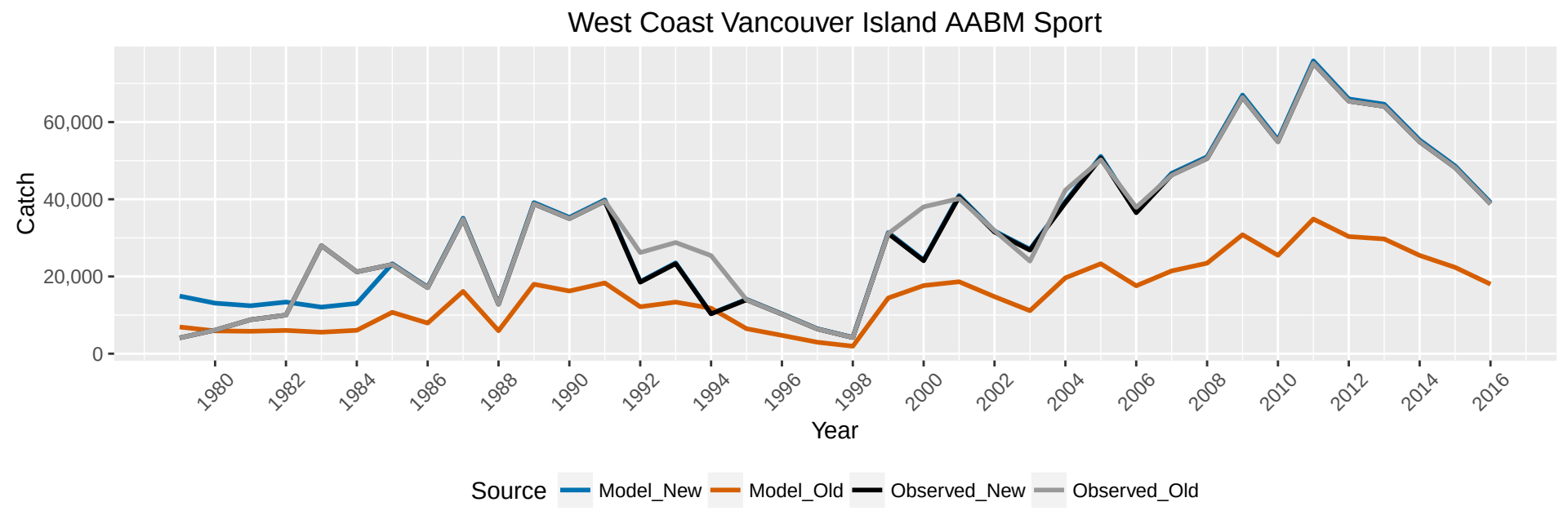

Fraser Net
Model Catch (thousands)
200
100
0
20
30
40
50
60
Observed Catch (thousands)
Source
New
Old

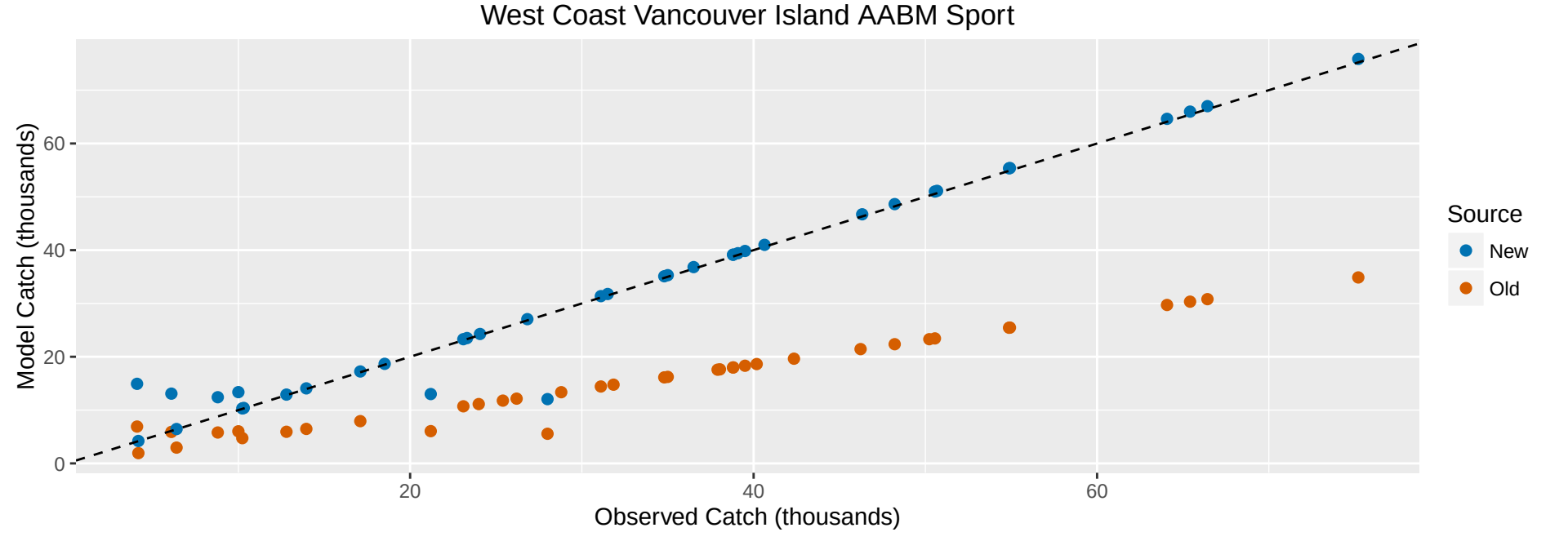

Alaska Sport
Catch
75,000
50,000
25,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

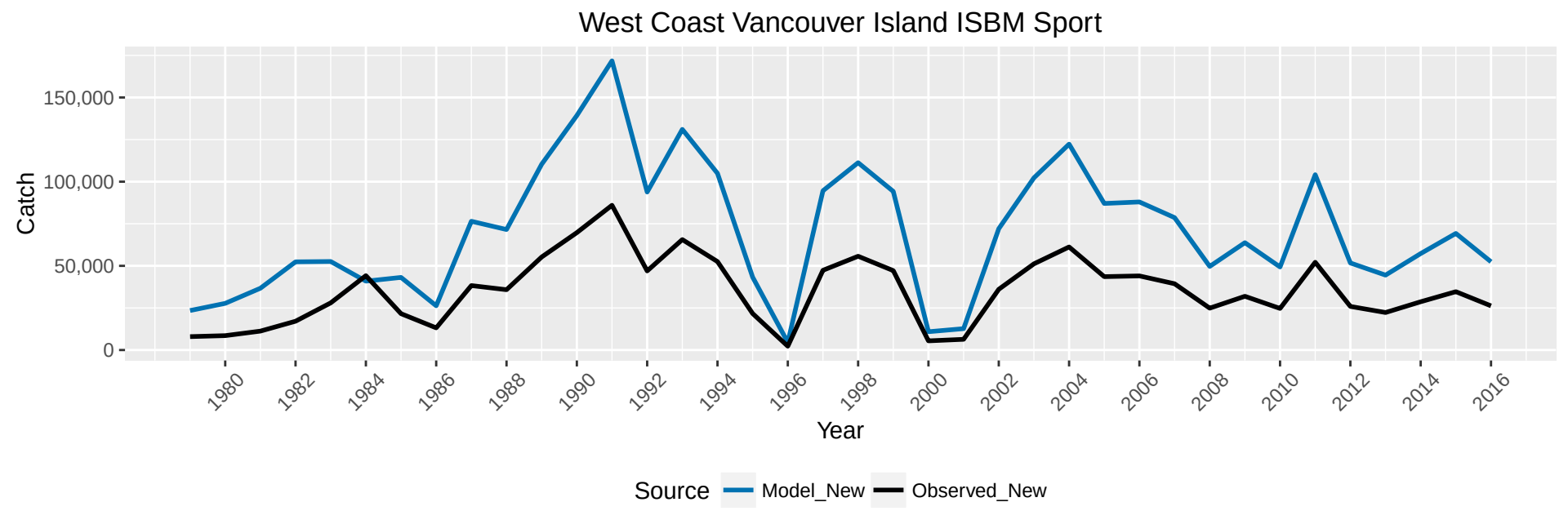

Alaska Sport
Model Catch (thousands)
75
50
25
20
40
60
Observed Catch (thousands)
Source
New
Old

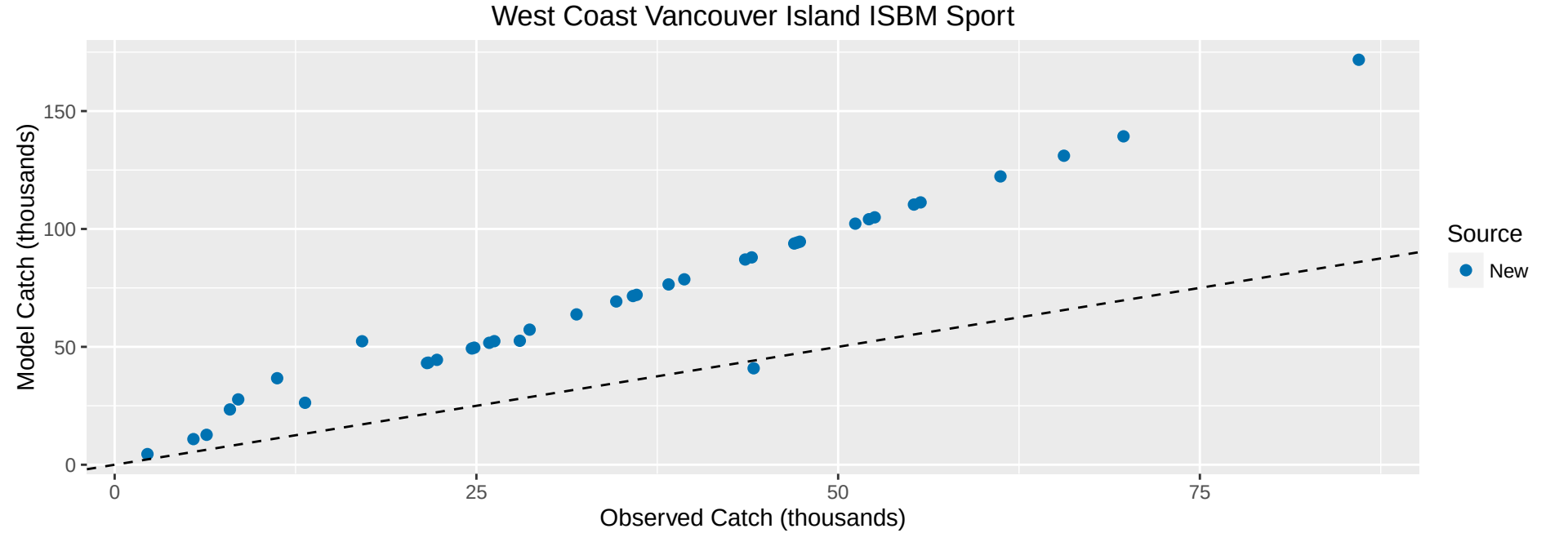

North & Central BC Sport
Catch
300,000
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

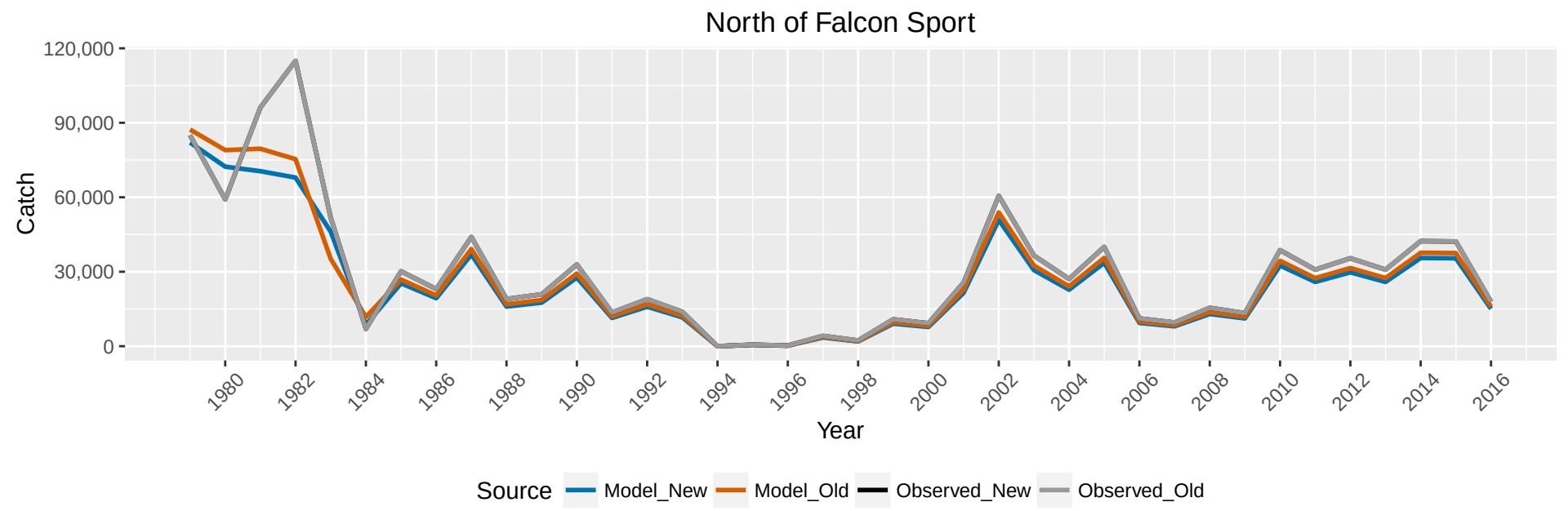

North & Central BC Sport
Model Catch (thousands)
300
200
100
0
25
50
75
100
Observed Catch (thousands)
Source
New
Old

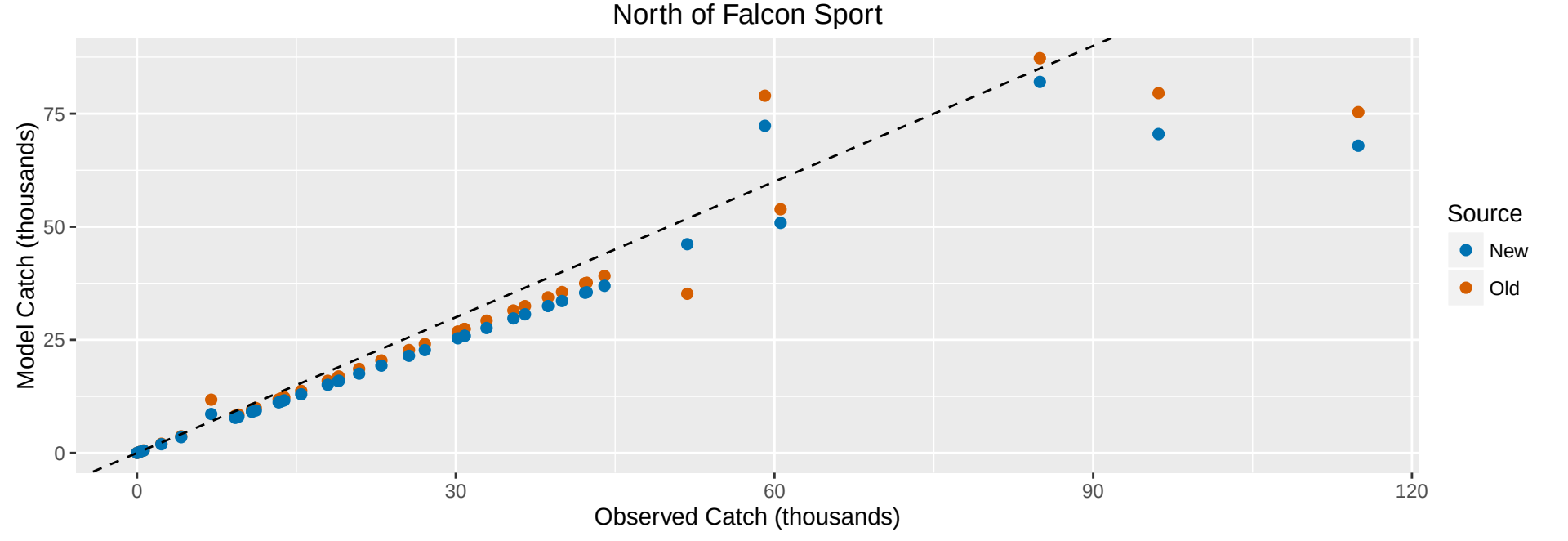

West Coast Vancouver Island AABM Sport
Catch
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

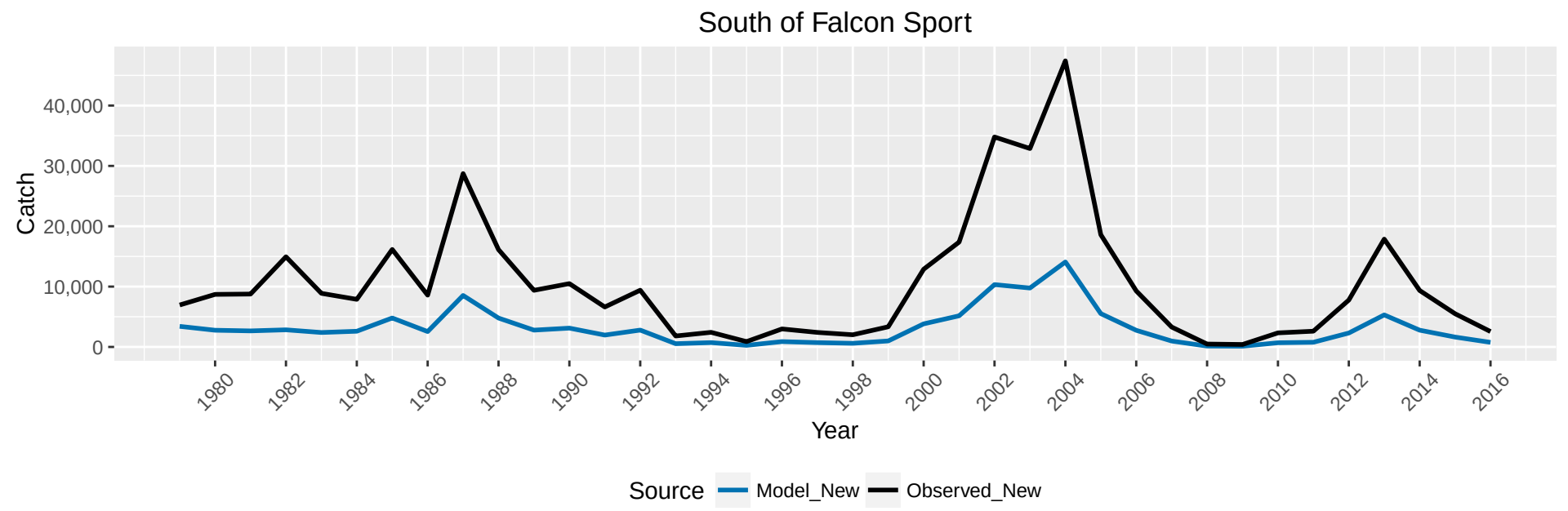

West Coast Vancouver Island AABM Sport
Model Catch (thousands)
60
40
20
0
20
40
60
Observed Catch (thousands)
Source
New
Old

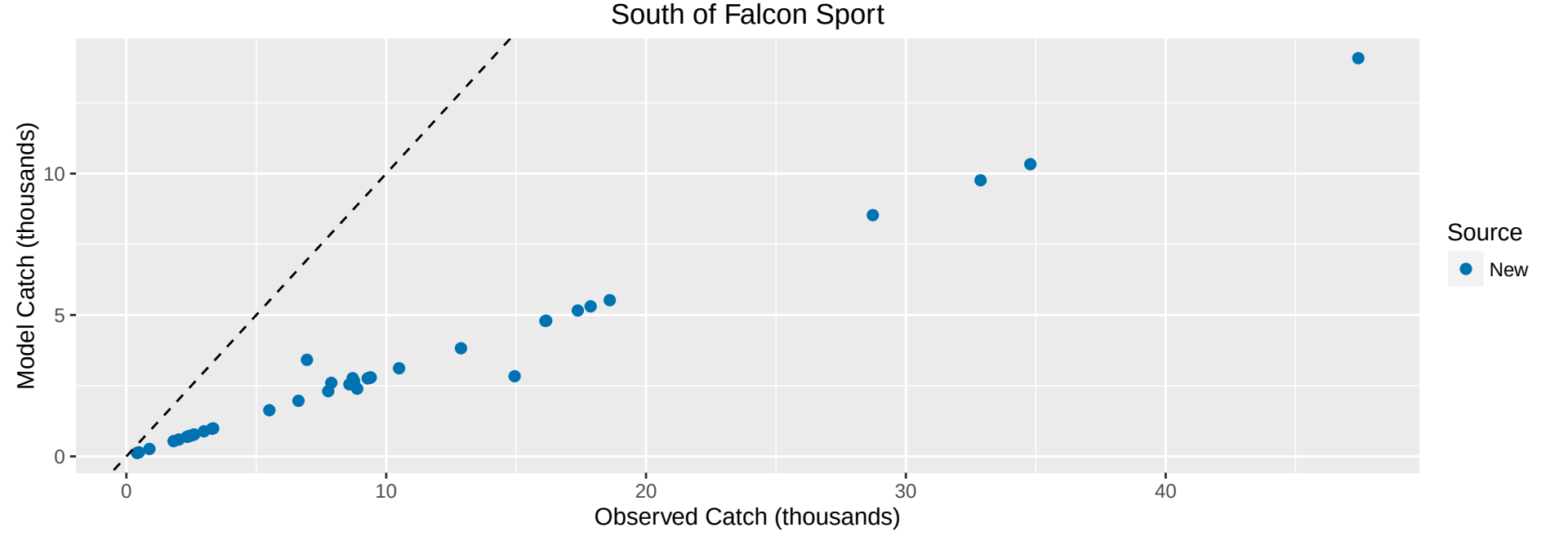

West Coast Vancouver Island ISBM Sport
Catch
150,000
100,000
50,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Observed_New

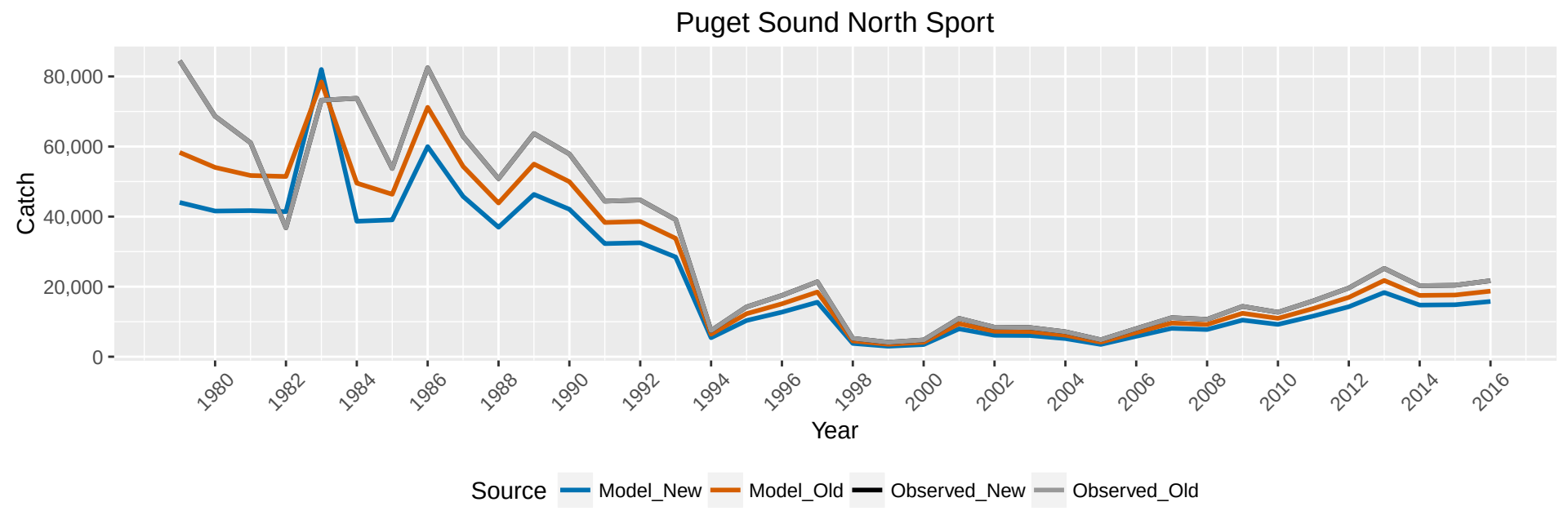

West Coast Vancouver Island ISBM Sport
Model Catch (thousands)
150
100
50
0
0
25
50
75
Observed Catch (thousands)
Source
New

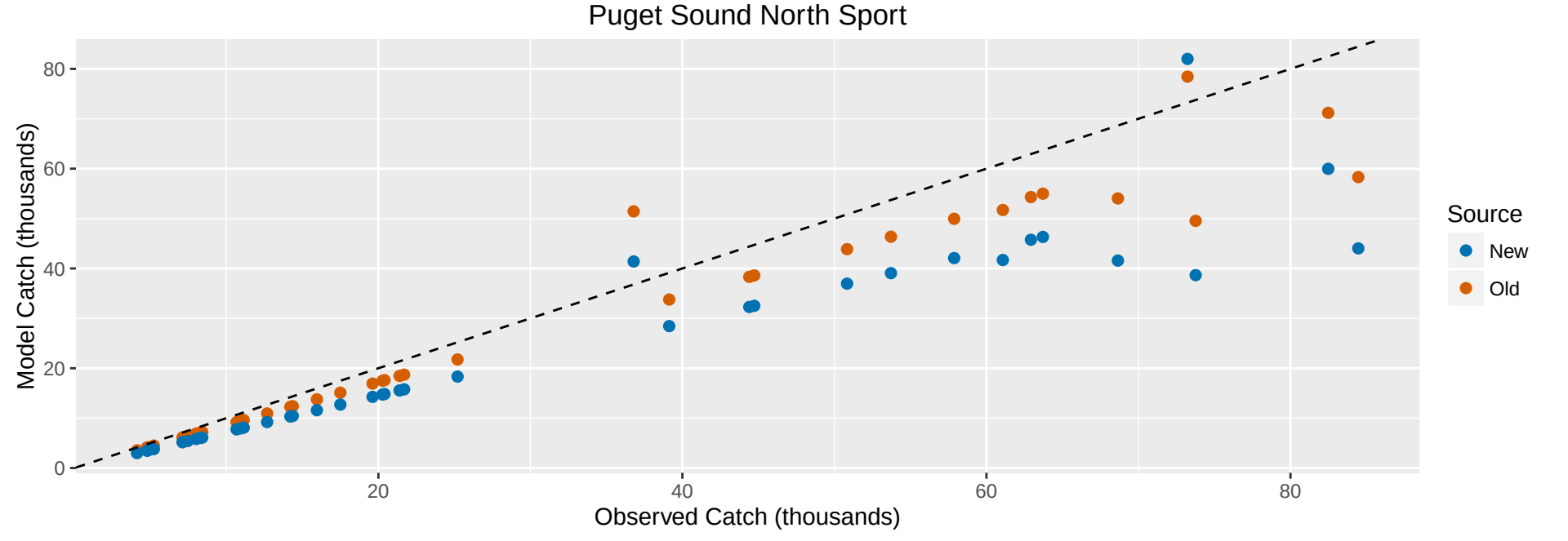

North of Falcon Sport
Catch
120,000
90,000
60,000
30,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

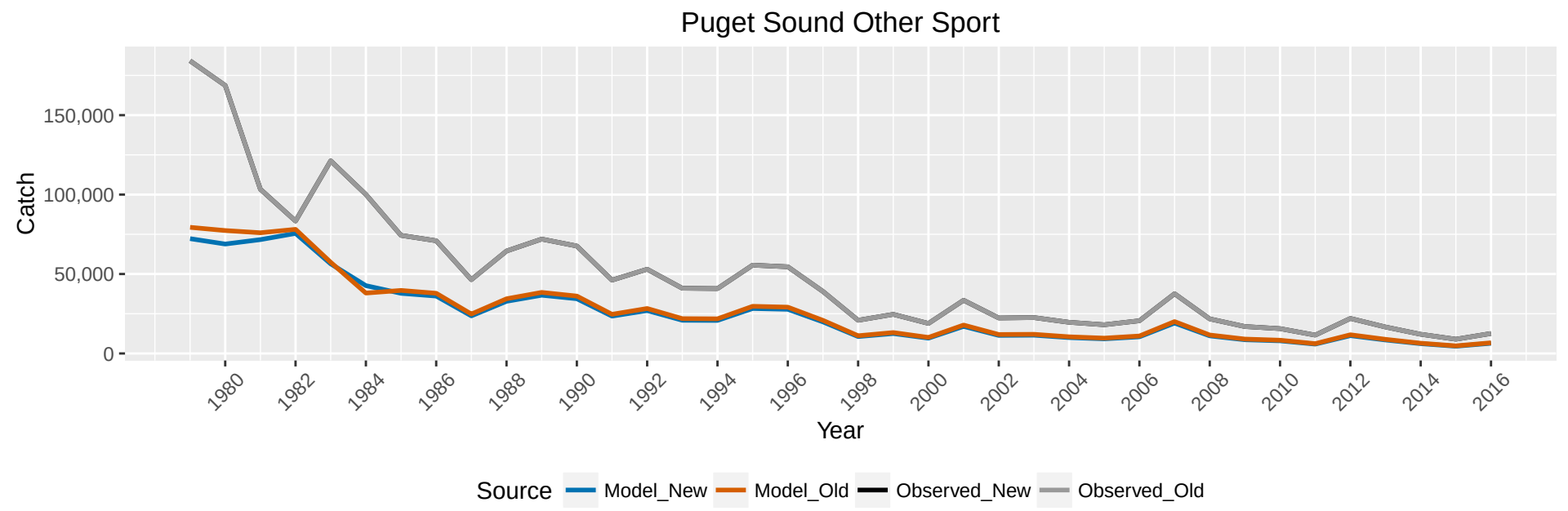

North of Falcon Sport
Model Catch (thousands)
75
50
25
0
0
30
60
90
120
Observed Catch (thousands)
Source
New
Old

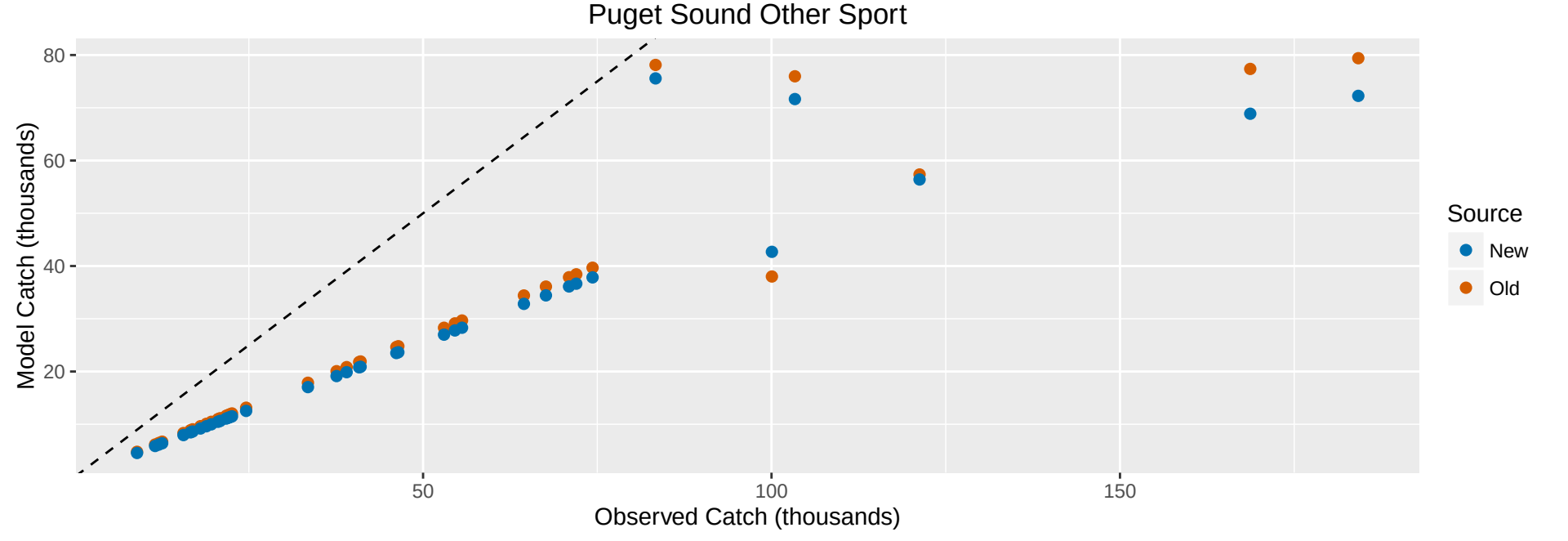

South of Falcon Sport
Catch
40,000
30,000
20,000
10,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Observed_New

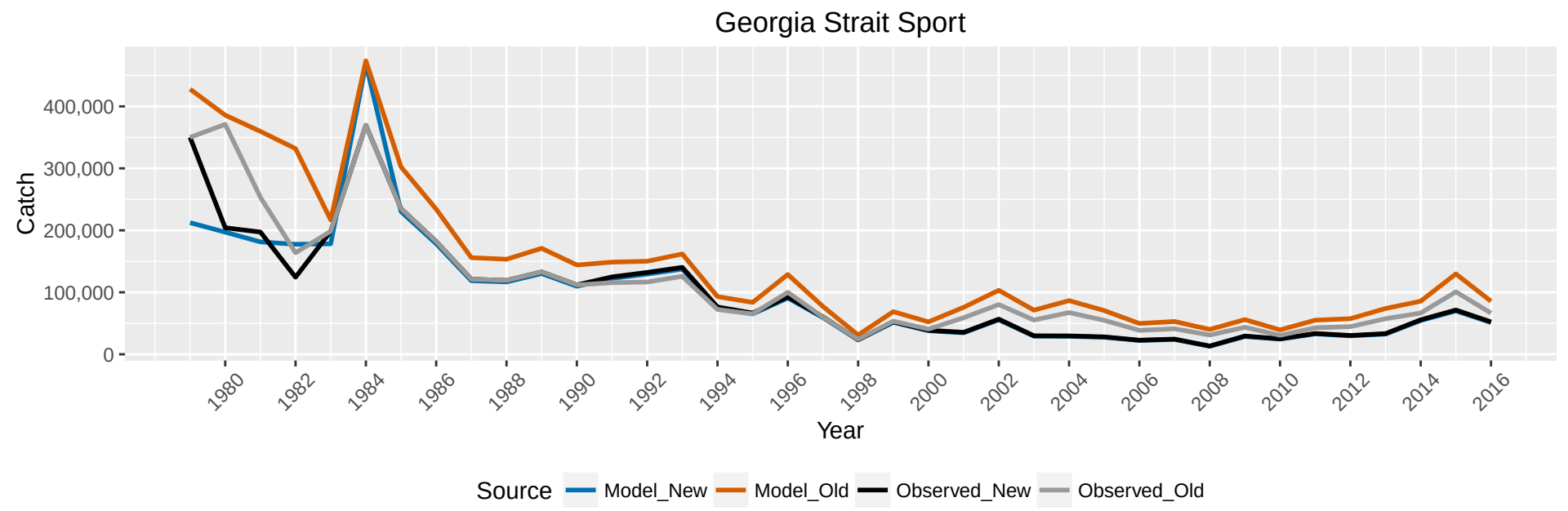

South of Falcon Sport
Model Catch (thousands)
10
5
0
0
10
20
30
40
Observed Catch (thousands)
Source
New

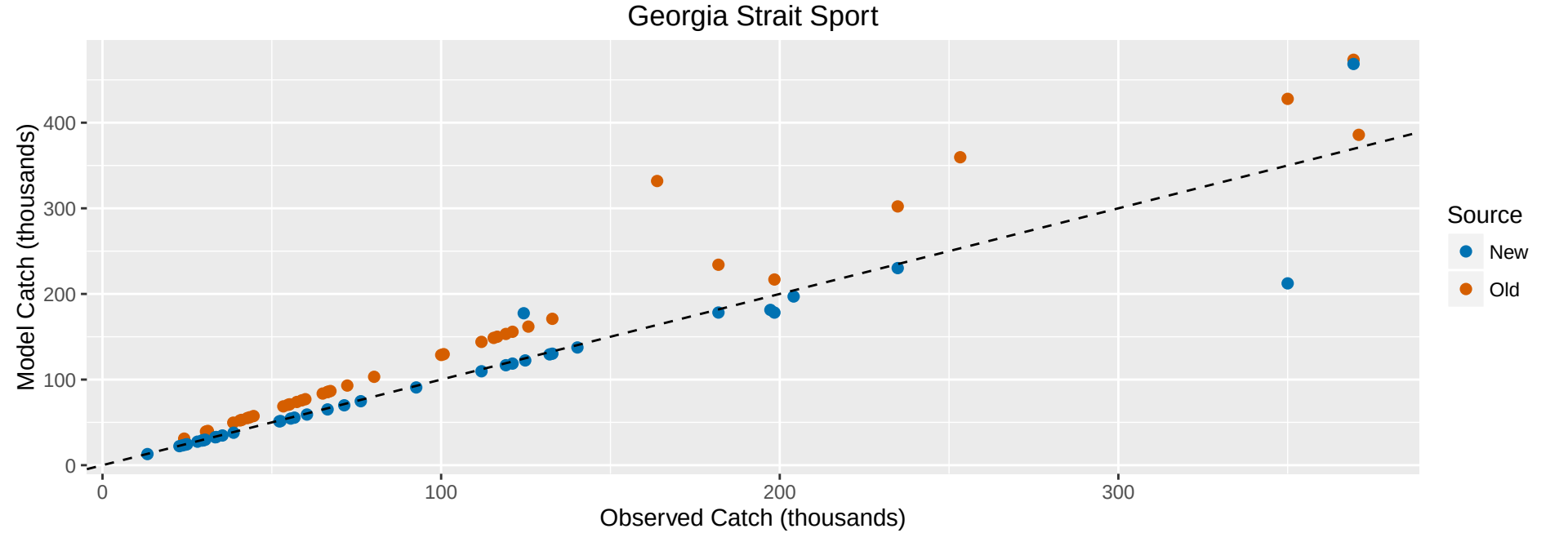

Puget Sound North Sport
Catch
80,000
60,000
40,000
20,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old

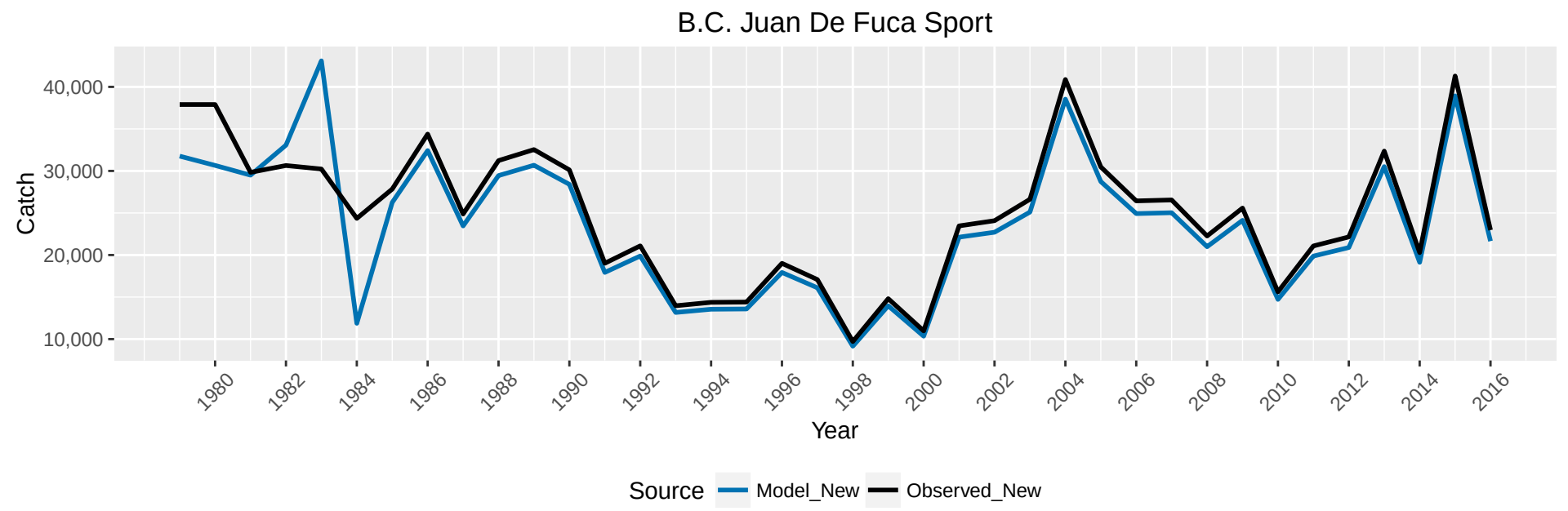

Puget Sound North Sport
Model Catch (thousands)
80
60
40
20
0
20
40
60
80
Observed Catch (thousands)
Source
New
Old

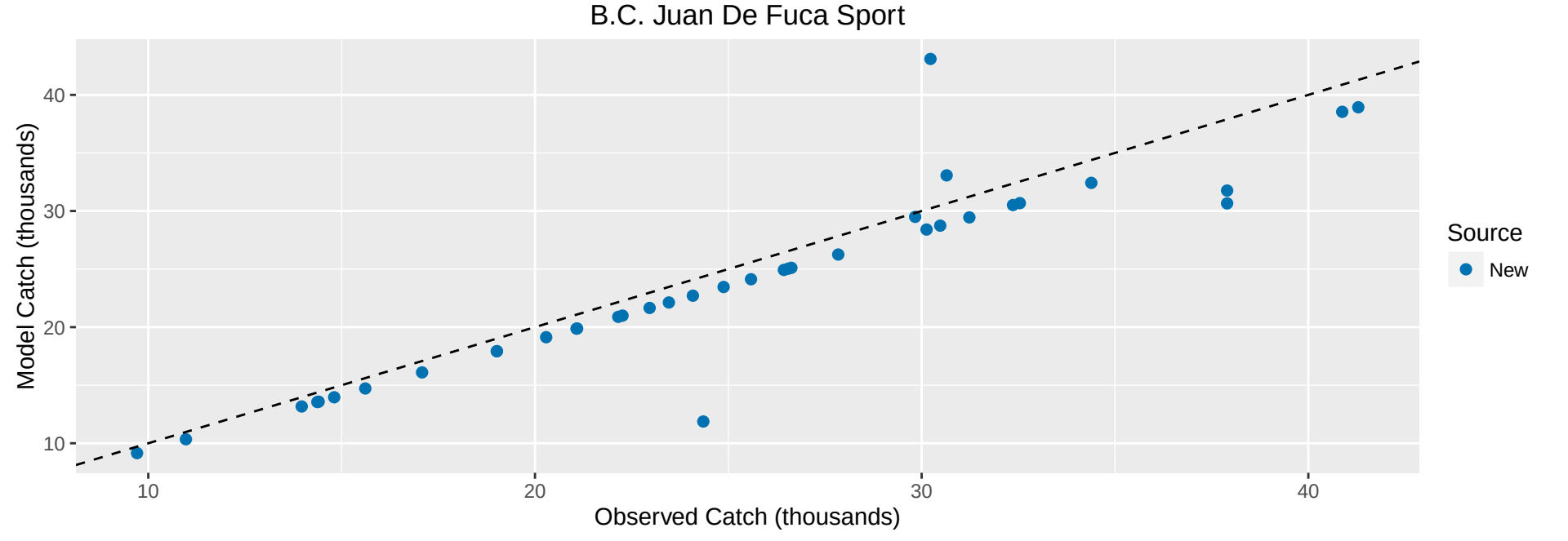

Puget Sound Other Sport
Catch
150,000
100,000
50,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old


Puget Sound Other Sport
Model Catch (thousands)
80
60
40
20
50
100
150
Observed Catch (thousands)
Source
New
Old


Georgia Strait Sport
Catch
400,000
300,000
200,000
100,000
0
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Model_Old
Observed_New
Observed_Old


Georgia Strait Sport
Model Catch (thousands)
400
300
200
100
0
0
100
200
300
Observed Catch (thousands)
Source
New
Old


B.C. Juan De Fuca Sport
Catch
40,000
30,000
20,000
10,000
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
2016
Year
Source
Model_New
Observed_New


B.C. Juan De Fuca Sport
Model Catch (thousands)
40
30
20
10
10
20
30
40
Observed Catch (thousands)
Source
New