Stock Name: Guam Bottomfish Multi-species Complex

Assessed in: May 2015

Basis Catch - Commercial and Recreational Biomass - Exploitable Range All All Statistic Point Estimate Mean Scale 1 1000 Year 1 1000 1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 2000	Parameter Name	Catch	Abundance
Source Model Model Basis Catch - Commercial and Recreational Biomass - Exploitable Range All All Statistic Point Estimate Mean Scale 1 1000 Year 1 1000 1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 </td <td>Туре</td> <td>Biomass - Ibs</td> <td>Biomass - Ibs</td>	Туре	Biomass - Ibs	Biomass - Ibs
Range All All Statistic Point Estimate Mean Scale 1 1000 Year 1 1000 1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 <	Source	Model	Model
Statistic Point Estimate Mean Scale 1 1000 Year 1 1000 1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 6666 202 2001 54352 214 2002 24044 225 <	Basis		Biomass - Exploitable
Scale 1 1000 Year 1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 6666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257<	Range	All	All
Year 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284	Statistic	Point Estimate	Mean
1982 26384 250 1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 <td< td=""><td>Scale</td><td>1</td><td>1000</td></td<>	Scale	1	1000
1983 40782 280 1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 <td< td=""><td>Year</td><td></td><td></td></td<>	Year		
1984 19322 361 1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1982	26384	250
1985 49195 277 1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 <td< td=""><td>1983</td><td>40782</td><td>280</td></td<>	1983	40782	280
1986 20427 264 1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 <td< td=""><td>1984</td><td>19322</td><td>361</td></td<>	1984	19322	361
1987 29301 280 1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1985	49195	277
1988 46318 249 1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1986	20427	264
1989 58582 231 1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1987	29301	280
1990 42384 223 1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1988	46318	249
1991 39596 209 1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1989	58582	231
1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1990	42384	223
1992 50394 215 1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1991	39596	209
1993 55609 219 1994 49055 203 1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1992	50394	215
1995 40855 186 1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1993		
1996 54186 181 1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1994	49055	203
1997 30611 156 1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1995	40855	186
1998 37687 172 1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1996	54186	181
1999 53339 191 2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1997	30611	156
2000 66666 202 2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1998	37687	172
2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	1999	53339	191
2001 54352 214 2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2000	66666	202
2002 24044 225 2003 43253 271 2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2001		214
2004 36915 257 2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2002	24044	
2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2003	43253	271
2005 36529 284 2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2004	36915	257
2006 38054 268 2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2005		
2007 27459 233 2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2006		
2008 37316 230 2009 40222 251 2010 28958 264 2011 59618 278	2007		
2009 40222 251 2010 28958 264 2011 59618 278			
2010 28958 264 2011 59618 278			
2011 59618 278			
ZCS	2012	22085	252

NOAA NMFS Stock Assessment Time Series Data

2013	29848	265
2013	23070	203

TIME SERIES HEADER DESCRIPTIONS

Type: Provides a more detailed definition of the data being entered.

Source: Describes where a particular type of data comes from. Typical data sources include Model (output from an assessment model), Survey (index of survey observations), or Fishery (e.g. reported catch rather than a model estimate of catch).

Basis: Describes the units for the values being reported. For example: biomass-mt means stock weight in metric tons.

Range: Used in conjunction with type to refine the description of the data being entered. The range specifies a subset of the population to which the data apply. For example, Age 3+ means fish that are age 3 and older, or mature means just the mature portion of the stock.

Statistic: Describes the statistical characteristics of a time series column, and may include mean, median, index, observed, official, MCMC, lower 95% CI, upper 95% CI, etc.

Scalar: Describes a multiplier by which the reported values should be multiplied to restore them to their natural units. For example, if biomass is reported in 1000 mt, then a value of 1000 is entered in this field.