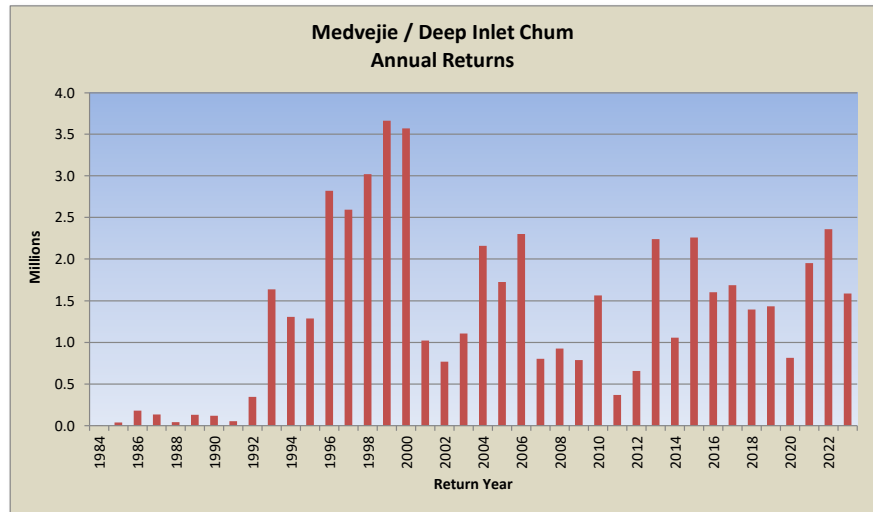


Medvejie Chum Returns by Return Year

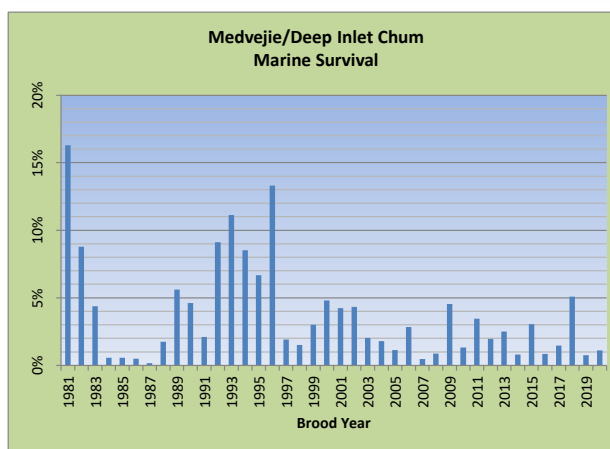
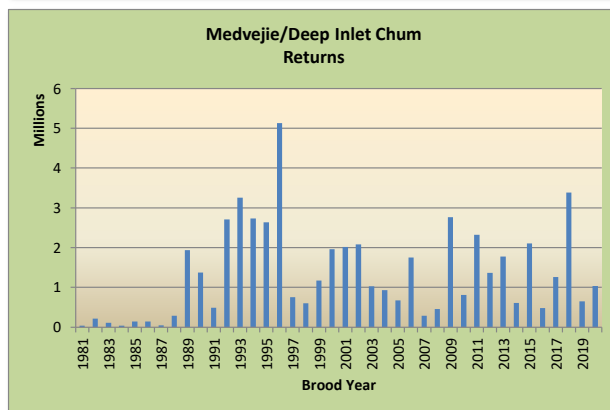
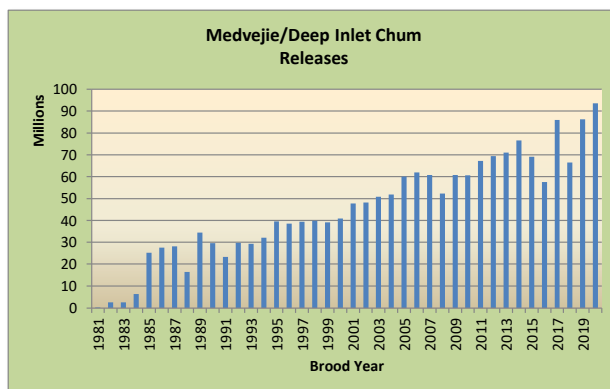
| Project | Return Year | Adult Return |
|---------------|-------------|-------------------|
| Medvejie Chum | 1984 | 1,600 |
| Medvejie Chum | 1985 | 39,300 |
| Medvejie Chum | 1986 | 181,743 |
| Medvejie Chum | 1987 | 132,403 |
| Medvejie Chum | 1988 | 42,510 |
| Medvejie Chum | 1989 | 131,307 |
| Medvejie Chum | 1990 | 118,946 |
| Medvejie Chum | 1991 | 53,962 |
| Medvejie Chum | 1992 | 343,728 |
| Medvejie Chum | 1993 | 1,635,231 |
| Medvejie Chum | 1994 | 1,307,610 |
| Medvejie Chum | 1995 | 1,287,743 |
| Medvejie Chum | 1996 | 2,819,499 |
| Medvejie Chum | 1997 | 2,595,025 |
| Medvejie Chum | 1998 | 3,019,966 |
| Medvejie Chum | 1999 | 3,662,701 |
| Medvejie Chum | 2000 | 3,571,709 |
| Medvejie Chum | 2001 | 1,020,368 |
| Medvejie Chum | 2002 | 768,555 |
| Medvejie Chum | 2003 | 1,107,909 |
| Medvejie Chum | 2004 | 2,161,220 |
| Medvejie Chum | 2005 | 1,725,312 |
| Medvejie Chum | 2006 | 2,303,503 |
| Medvejie Chum | 2007 | 803,582 |
| Medvejie Chum | 2008 | 927,034 |
| Medvejie Chum | 2009 | 787,827 |
| Medvejie Chum | 2010 | 1,562,680 |
| Medvejie Chum | 2011 | 368,683 |
| Medvejie Chum | 2012 | 656,172 |
| Medvejie Chum | 2013 | 2,239,714 |
| Medvejie Chum | 2014 | 1,057,567 |
| Medvejie Chum | 2015 | 2,260,859 |
| Medvejie Chum | 2016 | 1,601,521 |
| Medvejie Chum | 2017 | 1,684,860 |
| Medvejie Chum | 2018 | 1,395,574 |
| Medvejie Chum | 2019 | 1,433,486 |
| Medvejie Chum | 2020 | 812,397 |
| Medvejie Chum | 2021 | 1,951,183 |
| Medvejie Chum | 2022 | 2,359,395 |
| Medvejie Chum | 2023 | 1,588,509 |
| Total | | 53,522,893 |



Medvejie Chum Returns by Brood Year & Marine Survival

| Project | Year Brood | Release | Adults | MS | Status |
|---------------|------------|----------------------|-------------------|--------|--------|
| Medvejie Chum | 1981 | 223,697 | 36,437 | 16.29% | F |
| Medvejie Chum | 1982 | 2,460,713 | 216,153 | 8.78% | F |
| Medvejie Chum | 1983 | 2,558,282 | 111,821 | 4.37% | F |
| Medvejie Chum | 1984 | 6,232,400 | 35,396 | 0.57% | F |
| Medvejie Chum | 1985 | 25,223,405 | 139,402 | 0.55% | F |
| Medvejie Chum | 1986 | 27,516,200 | 137,228 | 0.50% | F |
| Medvejie Chum | 1987 | 28,140,700 | 42,677 | 0.15% | F |
| Medvejie Chum | 1989 | 34,405,100 | 1,933,343 | 5.62% | F |
| Medvejie Chum | 1990 | 29,648,000 | 1,370,617 | 4.62% | F |
| Medvejie Chum | 1991 | 23,354,400 | 488,368 | 2.09% | F |
| Medvejie Chum | 1992 | 29,730,500 | 2,708,660 | 9.11% | F |
| Medvejie Chum | 1993 | 29,264,800 | 3,258,597 | 11.13% | F |
| Medvejie Chum | 1994 | 32,043,800 | 2,734,032 | 8.53% | F |
| Medvejie Chum | 1995 | 39,578,000 | 2,637,691 | 6.66% | F |
| Medvejie Chum | 1996 | 38,575,000 | 5,132,505 | 13.31% | F |
| Medvejie Chum | 1997 | 39,320,000 | 750,129 | 1.91% | F |
| Medvejie Chum | 1998 | 39,840,000 | 602,766 | 1.51% | F |
| Medvejie Chum | 1999 | 39,071,000 | 1,171,444 | 3.00% | F |
| Medvejie Chum | 2000 | 40,925,600 | 1,963,110 | 4.80% | F |
| Medvejie Chum | 2001 | 47,741,800 | 2,017,267 | 4.23% | F |
| Medvejie Chum | 2002 | 48,208,000 | 2,082,882 | 4.32% | F |
| Medvejie Chum | 2003 | 50,795,650 | 1,025,995 | 2.02% | F |
| Medvejie Chum | 2004 | 51,876,900 | 933,030 | 1.80% | F |
| Medvejie Chum | 2005 | 59,967,387 | 671,885 | 1.12% | F |
| Medvejie Chum | 2006 | 61,877,019 | 1,749,901 | 2.83% | F |
| Medvejie Chum | 2007 | 60,718,274 | 288,580 | 0.48% | F |
| Medvejie Chum | 2008 | 52,280,372 | 455,511 | 0.87% | F |
| Medvejie Chum | 2009 | 60,794,478 | 2,764,153 | 4.55% | F |
| Medvejie Chum | 2010 | 60,690,446 | 806,019 | 1.33% | F |
| Medvejie Chum | 2011 | 67,174,164 | 2,324,209 | 3.46% | F |
| Medvejie Chum | 2012 | 69,394,912 | 1,360,298 | 1.96% | F |
| Medvejie Chum | 2013 | 71,017,257 | 1,775,072 | 2.50% | F |
| Medvejie Chum | 2014 | 76,572,581 | 606,878 | 0.79% | F |
| Medvejie Chum | 2015 | 69,045,791 | 2,103,731 | 3.05% | F |
| Medvejie Chum | 2016 | 57,549,945 | 481,471 | 0.84% | F |
| Medvejie Chum | 2017 | 85,953,676 | 1,255,777 | 1.46% | F |
| Medvejie Chum | 2018 | 66,441,776 | 3,381,736 | 5.09% | I |
| Medvejie Chum | 2019 | 86,197,657 | 650,026 | 0.75% | I |
| Medvejie Chum | 2020 | 93,529,663 | 1,030,947 | 1.10% | I |
| Total | | 1,822,313,645 | 53,522,893 | | |

Status: F= Final; I= Incomplete adult returns



Medvejie Chum Returns - Age Class Estimates

| Project | | Medvejie Chum | | | | | | |
|---------------------|------------|---------------|-----------|---------|-------------|------------|-------|--|
| Sum of Adult at Age | Age | | | | Grand Total | Release | M.S. | |
| Year Brood | 3 | 4 | 5 | 6 | Grand Total | | | |
| 1981 | 1,600 | 24,300 | 10,537 | - | 36,437 | 223,697 | 16.3% | |
| 1982 | 15,000 | 163,568 | 36,987 | 598 | 216,153 | 2,460,713 | 8.8% | |
| 1983 | 7,638 | 86,263 | 17,411 | 509 | 111,821 | 2,558,282 | 4.4% | |
| 1984 | 9,153 | 19,856 | 6,387 | - | 35,396 | 6,232,400 | 0.6% | |
| 1985 | 4,645 | 114,502 | 20,204 | 51 | 139,402 | 25,223,405 | 0.6% | |
| 1986 | 9,909 | 97,624 | 28,642 | 1,053 | 137,228 | 27,516,200 | 0.5% | |
| 1987 | 1,118 | 21,351 | 18,588 | 1,620 | 42,677 | 28,140,700 | 0.2% | |
| 1988 | 3,918 | 150,778 | 125,811 | 6,642 | 287,149 | 16,374,300 | 1.8% | |
| 1989 | 173,309 | 1,409,764 | 330,359 | 19,911 | 1,933,343 | 34,405,100 | 5.6% | |
| 1990 | 98,036 | 953,743 | 300,694 | 18,144 | 1,370,617 | 29,648,000 | 4.6% | |
| 1991 | 16,866 | 284,258 | 183,297 | 3,947 | 488,368 | 23,354,400 | 2.1% | |
| 1992 | 682,880 | 1,744,541 | 271,206 | 10,033 | 2,708,660 | 29,730,500 | 9.1% | |
| 1993 | 873,517 | 2,085,895 | 291,292 | 7,893 | 3,258,597 | 29,264,800 | 11.1% | |
| 1994 | 233,977 | 1,870,264 | 610,702 | 19,089 | 2,734,032 | 32,043,800 | 8.5% | |
| 1995 | 848,377 | 1,625,123 | 158,387 | 5,804 | 2,637,691 | 39,578,000 | 6.7% | |
| 1996 | 1,418,983 | 3,355,122 | 353,975 | 4,425 | 5,132,505 | 38,575,000 | 13.3% | |
| 1997 | 39,111 | 553,687 | 153,826 | 3,505 | 750,129 | 39,320,000 | 1.9% | |
| 1998 | 106,902 | 426,741 | 66,590 | 2,533 | 602,766 | 39,840,000 | 1.5% | |
| 1999 | 183,563 | 749,814 | 231,833 | 6,234 | 1,171,444 | 39,071,000 | 3.0% | |
| 2000 | 288,000 | 1,514,633 | 152,953 | 7,524 | 1,963,110 | 40,925,600 | 4.8% | |
| 2001 | 412,221 | 1,189,912 | 403,297 | 11,837 | 2,017,267 | 47,741,800 | 4.2% | |
| 2002 | 376,213 | 1,612,539 | 92,643 | 1,487 | 2,082,882 | 48,208,000 | 4.3% | |
| 2003 | 280,143 | 583,934 | 157,342 | 4,576 | 1,025,995 | 50,795,650 | 2.0% | |
| 2004 | 115,168 | 674,475 | 137,310 | 6,077 | 933,030 | 51,876,900 | 1.8% | |
| 2005 | 93,730 | 441,854 | 134,899 | 1,402 | 671,885 | 59,967,387 | 1.1% | |
| 2006 | 204,087 | 1,385,880 | 156,412 | 3,522 | 1,749,901 | 61,877,019 | 2.8% | |
| 2007 | 35,824 | 192,170 | 58,462 | 2,124 | 288,580 | 60,718,274 | 0.5% | |
| 2008 | 18,699 | 275,821 | 157,490 | 3,501 | 455,511 | 52,280,372 | 0.9% | |
| 2009 | 318,367 | 2,039,102 | 394,638 | 12,046 | 2,764,153 | 60,794,478 | 4.5% | |
| 2010 | 40,998 | 534,856 | 221,017 | 9,148 | 806,019 | 60,690,446 | 1.3% | |
| 2011 | 124,572 | 1,688,412 | 499,993 | 11,232 | 2,324,209 | 67,174,164 | 3.5% | |
| 2012 | 339,384 | 882,225 | 108,504 | 30,185 | 1,360,298 | 69,394,912 | 2.0% | |
| 2013 | 210,155 | 1,405,872 | 156,829 | 2,216 | 1,775,072 | 71,017,257 | 2.5% | |
| 2014 | 159,252 | 410,112 | 37,308 | 206 | 606,878 | 76,572,581 | 0.8% | |
| 2015 | 798,448 | 1,243,649 | 61,548 | 86 | 2,103,731 | 69,045,791 | 3.0% | |
| 2016 | 150,313 | 295,818 | 32,708 | 2,632 | 481,471 | 57,549,945 | 0.8% | |
| 2017 | 454,825 | 655,890 | 141,671 | 3,391 | 1,255,777 | 85,953,676 | 1.5% | |
| 2018 | 1,262,499 | 2,016,053 | 103,184 | - | 3,381,736 | 66,441,776 | 5.09% | |
| 2019 | 199,039 | 450,987 | - | - | 650,026 | 86,197,657 | 0.75% | |
| 2020 | 1,030,947 | - | - | - | 1,030,947 | 93,529,663 | 1.10% | |
| Grand Total | 11,641,389 | 35,231,392 | 6,424,941 | 225,189 | 53,522,893 | | | |

Medvejie Chum Returns - Age Class Estimates

| Project | | Medvejie Chum | | | | | 5-year Rolling Avg | | |
|-------------------------|--------|---------------|-------|------|-------------|------------|--------------------|-------|------|
| Sum of Pcnt at Age | Age | | | | | Release | M.S. | | |
| Year Brood | 3 | 4 | 5 | 6 | Grand Total | | | | |
| 1981 | 4.4% | 66.7% | 28.9% | 0.0% | 100% | 223,697 | 16.3% | | |
| 1982 | 6.9% | 75.7% | 17.1% | 0.3% | 100% | 2,460,713 | 8.8% | | |
| 1983 | 6.8% | 77.1% | 15.6% | 0.5% | 100% | 2,558,282 | 4.4% | | |
| 1984 | 25.9% | 56.1% | 18.0% | 0.0% | 100% | 6,232,400 | 0.6% | | |
| 1985 | 3.3% | 82.1% | 14.5% | 0.0% | 100% | 25,223,405 | 0.6% | 6.1% | |
| 1986 | 7.2% | 71.1% | 20.9% | 0.8% | 100% | 27,516,200 | 0.5% | 3.0% | |
| 1987 | 2.6% | 50.0% | 43.6% | 3.8% | 100% | 28,140,700 | 0.2% | 1.2% | |
| 1988 | 1.4% | 52.5% | 43.8% | 2.3% | 100% | 16,374,300 | 1.8% | 0.7% | |
| 1989 | 9.0% | 72.9% | 17.1% | 1.0% | 100% | 34,405,100 | 5.6% | 1.7% | |
| 1990 | 7.2% | 69.6% | 21.9% | 1.3% | 100% | 29,648,000 | 4.6% | 2.5% | |
| 1991 | 3.5% | 58.2% | 37.5% | 0.8% | 100% | 23,354,400 | 2.1% | 2.8% | |
| 1992 | 25.2% | 64.4% | 10.0% | 0.4% | 100% | 29,730,500 | 9.1% | 4.6% | |
| 1993 | 26.8% | 64.0% | 8.9% | 0.2% | 100% | 29,264,800 | 11.1% | 6.5% | |
| 1994 | 8.6% | 68.4% | 22.3% | 0.7% | 100% | 32,043,800 | 8.5% | 7.1% | |
| 1995 | 32.2% | 61.6% | 6.0% | 0.2% | 100% | 39,578,000 | 6.7% | 7.5% | |
| 1996 | 27.6% | 65.4% | 6.9% | 0.1% | 100% | 38,575,000 | 13.3% | 9.7% | |
| 1997 | 5.2% | 73.8% | 20.5% | 0.5% | 100% | 39,320,000 | 1.9% | 8.3% | |
| 1998 | 17.7% | 70.8% | 11.0% | 0.4% | 100% | 39,840,000 | 1.5% | 6.4% | |
| 1999 | 15.7% | 64.0% | 19.8% | 0.5% | 100% | 39,071,000 | 3.0% | 5.3% | |
| 2000 | 14.7% | 77.2% | 7.8% | 0.4% | 100% | 40,925,600 | 4.8% | 4.9% | |
| 2001 | 20.4% | 59.0% | 20.0% | 0.6% | 100% | 47,741,800 | 4.2% | 3.1% | |
| 2002 | 18.1% | 77.4% | 4.4% | 0.1% | 100% | 48,208,000 | 4.3% | 3.6% | |
| 2003 | 27.3% | 56.9% | 15.3% | 0.4% | 100% | 50,795,650 | 2.0% | 3.7% | |
| 2004 | 12.3% | 72.3% | 14.7% | 0.7% | 100% | 51,876,900 | 1.8% | 3.4% | |
| 2005 | 14.0% | 65.8% | 20.1% | 0.2% | 100% | 59,967,387 | 1.1% | 2.7% | |
| 2006 | 11.7% | 79.2% | 8.9% | 0.2% | 100% | 61,877,019 | 2.8% | 2.4% | |
| 2007 | 12.4% | 66.6% | 20.3% | 0.7% | 100% | 60,718,274 | 0.5% | 1.6% | |
| 2008 | 4.1% | 60.6% | 34.6% | 0.8% | 100% | 52,280,372 | 0.9% | 1.4% | |
| 2009 | 11.5% | 73.8% | 14.3% | 0.4% | 100% | 60,794,478 | 4.5% | 2.0% | |
| 2010 | 5.1% | 66.4% | 27.4% | 1.1% | 100% | 60,690,446 | 1.3% | 2.0% | |
| 2011 | 5.4% | 72.6% | 21.5% | 0.5% | 100% | 67,174,164 | 3.5% | 2.1% | |
| 2012 | 24.9% | 64.9% | 8.0% | 2.2% | 100% | 69,394,912 | 2.0% | 2.4% | |
| 2013 | 11.8% | 79.2% | 8.8% | 0.1% | 100% | 71,017,257 | 2.5% | 2.8% | |
| 2014 | 26.2% | 67.6% | 6.1% | 0.0% | 100% | 76,572,581 | 0.8% | 2.0% | |
| 2015 | 38.0% | 59.1% | 2.9% | 0.0% | 100% | 69,045,791 | 3.0% | 2.4% | |
| 2016 | 31.2% | 61.4% | 6.8% | 0.5% | 100% | 57,549,945 | 0.8% | 1.8% | |
| 2017 | 36.2% | 52.2% | 11.3% | 0.3% | 100% | 85,953,676 | 1.5% | 1.7% | |
| 2018 | 37.3% | 59.6% | 3.1% | | Incomplete | 66,441,776 | 5.09% | 2.2% | |
| 2019 | 30.6% | 69.4% | | | Incomplete | 86,197,657 | 0.75% | 2.2% | |
| 2020 | 100.0% | | | | Incomplete | 93,529,663 | 1.10% | 1.8% | |
| Avg. (BY1981-2017) | | | | | | 15.2% | 66.9% | 17.2% | 0.6% |
| 5-yr avg (BY2013-2017) | | | | | | 28.7% | 63.9% | 7.2% | 0.2% |
| 10-yr avg (BY2008-2017) | | | | | | 19.4% | 65.8% | 14.2% | 0.6% |