

Summary of Projected Entrainment, Adult Equivalent Loss, and Loss to Fishery.
MCR 5-Year Average Annual Dredge Volumes
WH Pearson and GD Williams

Variance Estimators (derived from Summer 2002 field sampling)

	CV %		
E	3.78	Z at 0.975	1.95996
AEL	4.77		
LF	4.55		

	MCR Annual Dredge Volumes (cubic yd)		
Year	Essays	Contractor	Total
1998	2,755,960	1,499,318	4,255,278
1999	1,817,065	2,400,000	4,217,065
2000	2,893,441	1,924,164	4,817,605
2001	2,318,583	1,750,450	4,069,033
2002	3,017,176	1,583,202	4,600,378
Average	2,560,445	1,831,427	4,391,872

AGE 2+

AGE 3+

Total 2002 Volume; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	4,600,378

Results:

Parameter	Projected Value	SE	95% CI
E	277,532	-	-
AEL	180,416	-	-
AEL Male	33,243	-	-
AEL Female	147,173	-	-
Loss to Fishery	10,471	-	-

Total 2002 Volume; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	4,600,378

Results:

Parameter	Projected Value	SE	95% CI
E	277,532	-	-
AEL	81,187	-	-
AEL Male	14,959	-	-
AEL Female	66,228	-	-
Loss to Fishery	10,471	-	-

USACE (Essays) 2002 Total; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	3,017,176

Results:

Parameter	Projected Value	SE	95% CI
E	182,020	6,880	13,485
AEL	118,326	5,644	11,062
AEL Male	21,802	1,040	2,038
AEL Female	96,524	4,604	9,024
Loss to Fishery	6,868	312	612

USACE (Essays) 2002 Total; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	3,017,176

Results:

Parameter	Projected Value	SE	95% CI
E	182,020	6,880	13,485
AEL	53,247	2,540	4,978
AEL Male	9,811	468	917
AEL Female	43,436	2,072	4,061
Loss to Fishery	6,868	312	612

Contractor 2002 Total; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	1,583,202

Results:

Parameter	Projected Value	SE	95% CI
E	95,511	-	-
AEL	62,089	-	-
AEL Male	11,440	-	-
AEL Female	50,649	-	-
Loss to Fishery	3,604	-	-

Contractor 2002 Total; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	1,583,202

Results:

Parameter	Projected Value	SE	95% CI
E	95,511	-	-
AEL	27,940	-	-
AEL Male	5,148	-	-
AEL Female	22,792	-	-
Loss to Fishery	3,604	-	-

Total 5-Year Average; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	4,391,872

Results:

Parameter	Projected Value	SE	95% CI
E	264,953	-	-
AEL	172,238	-	-
AEL Male	31,736	-	-
AEL Female	140,502	-	-
Loss to Fishery	9,997	-	-

Total 5-Year Average; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	4,391,872

Results:

Parameter	Projected Value	SE	95% CI
E	264,953	-	-
AEL	77,507	-	-
AEL Male	14,281	-	-
AEL Female	63,226	-	-
Loss to Fishery	9,997	-	-

USACE (Essays) 5-Year Average; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	2,560,445

Results:

Parameter	Projected Value	SE	95% CI
E	154,467	-	-
AEL	100,414	-	-
AEL Male	18,502	-	-
AEL Female	81,912	-	-
Loss to Fishery	5,828	-	-

USACE (Essays) 5-Year Average; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	2,560,445

Results:

Parameter	Projected Value	SE	95% CI
E	154,467	-	-
AEL	45,186	-	-
AEL Male	8,326	-	-
AEL Female	36,861	-	-
Loss to Fishery	5,828	-	-

Contractor 5-Year Average; Age 2+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	1,831,427

Results:

Parameter	Projected Value	SE	95% CI
E	110,486	-	-
AEL	71,824	-	-
AEL Male	13,234	-	-
AEL Female	58,590	-	-
Loss to Fishery	4,169	-	-

Contractor 5-Year Average; Age 3+

Assumptions:

Projected Location	MCR
Planned dredged volume (cy)	1,831,427

Results:

Parameter	Projected Value	SE	95% CI
E	110,486	-	-
AEL	32,321	-	-
AEL Male	5,955	-	-
AEL Female	26,366	-	-
Loss to Fishery	4,169	-	-