

35 24 Dredging

35 24 13 – Suction Dredging

35 24 13.13 Cutter Suction Dredging

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	CUTTER SUCTION DREDGING									
0015	Add, Marine Equipment Rental, See Section 01 54 33.80									
1000	Hydraulic method, pumped 1,000' to shore dump, minimum	B-57	460	.104	B.C.Y.		5.45	4.39	9.84	12.9%
1100	Maximum	B-57	310	.155	B.C.Y.		8.10	6.50	14.60	19.2%
1400	Into scows dumped 20 miles, minimum		425	.113			5.90	4.75	10.65	13.5%
1500	Maximum	↓	243	.198			10.30	8.30	18.60	24.5%
1600	For inland rivers and canals in South, deduct				↓				30%	30%

35 24 23 – Clamshell Dredging

35 24 23.13 Mechanical Dredging

0010	MECHANICAL DREDGING									
0015	Add, Marine Equipment Rental, See Section 01 54 33.80									
0020	Dredging mobilization and demobilization, add to below, minimum	B-8	.53	121	Total		6,325	9,075	15,400	19,400
0100	Maximum	"	.10	640	"		33,600	48,100	81,700	103,000
0300	Barge mounted clamshell excavation into scows									
0310	Dumped 20 miles at sea, minimum	B-57	310	.155	B.C.Y.		8.10	6.50	14.60	19.2%
0400	Maximum	"	213	.225	"		11.75	9.50	21.25	28%
0500	Barge mounted dragline or clamshell, hopper dumped,									
0510	pumped 1,000' to shore dump, minimum	B-57	340	.141	B.C.Y.		7.35	5.95	13.30	17.5%
0525	All pumping uses 2,000 gallons of water per cubic yard									
0600	Maximum	B-57	243	.198	B.C.Y.		10.30	8.30	18.60	24.5%

35 51 Floating Construction

35 51 13 – Floating Piers

35 51 13.23 Floating Wood Piers

0010	FLOATING WOOD PIERS									
0020	Polyethylene encased polystyrene, no pilings included	F-3	330	.121	S.F.	31.50	7	6	44.50	51.50
0200	Pile supported, shore constructed, minimum		130	.308		28.50	17.75	15.25	61.50	75
0250	Maximum		120	.333		31.50	19.25	16.55	67.30	81.50
0400	Floating, small boat, prefab, no shore facilities, minimum		250	.160		26	9.25	7.95	43.20	51
0500	Maximum		150	.267	↓	57	15.40	13.20	85.60	100
0700	Per slip, minimum (180 S.F. each)		1.59	25.157	Ea.	5,575	1,450	1,250	8,275	9,675
0800	Maximum	↓	1.40	28.571	"	8,600	1,650	1,425	11,675	13,500