

Table 4.1.6-1 Classification of Dredge Material by Chemical Constituents						
Parameter	Category One Classification (ppm)	Category Two Classification (ppm)	Category Three Classification (ppm)	Results VC04-01 (ppm)	Results VC04-02 (ppm)	Results VC04-03 (ppm)
Arsenic	< 10	10 - 20	> 20	0.77	0.53	0.95
Cadmium	< 5	5 - 10	> 10	ND	ND	ND
Chromium	< 100	100 - 300	> 300	ND	ND	ND
Copper	< 200	200 - 400	> 400	0.67	0.69	0.97
Lead	< 100	100 - 200	> 200	1.1	1	1.3
Mercury	< 0.5	0.5 - 1.5	> 1.5	ND	ND	ND
Nickel	< 50	50 - 100	> 100	0.84	0.81	0.97
Polychlorinated Biphenyls	< 0.5	0.5 - 1.0	> 1.0	ND	ND	ND
Vanadium	< 75	75 - 125	> 125	3	3.1	3.1
Zinc	< 200	200 - 400	> 400	3.1	2.7	3.5
Sediment Sample Classification				Category 1	Category 1	Category 1
Notes: <i>Category One materials</i> are those which contain no chemicals listed in Table I in concentrations exceeding those listed in the first column. <i>Category Two materials</i> are those which contain any one or more of the chemicals listed in Table I in the concentration range shown in the second column. <i>Category Three materials</i> are those materials which contain any chemical listed in Table I in a concentration greater than shown in the third column. Other important man-induced chemicals or compounds not included in Table I which are known or suspected to be in the sediments at the dredge site would of course be given weight in the classification of the material and the choice of dredging and disposal methods. When the Department has reason to suspect the presence of any other toxins due to a nearby discharge, additional testing for that element may be required. Table 4.1.6-1 adapted from Table I MassDEP-DWPC Regulations, 314 CMR 9.07, Effective 3/1/95.						

Table 4.1.6-2 Classification of Sediment Material by Physical Constituents						
Parameter	Type A	Type B	Type C	Results VC04-01	Results VC04-02	Results VC04-03
Percent Silt-Clay	< 60	60 - 90	> 90	1.5	1.7	2.9
Percent Water	< 40	40 - 60	> 60	17	18	16
Percent Vol. Solids	< 5	5 - 10	> 10	0.42	0.55	0.4
Percent Oil & Grease	< 0.5	0.5 - 1.0	> 1.0	not tested	not tested	not tested
Sediment Sample Classification				Type A	Type A	Type A
Notes: <i>Type A materials</i> are those materials which contain no substances listed in Table II exceeding the amounts indicated in the first column. <i>Type B materials</i> are those materials which contain any one or more of the substances listed in Table II in the concentration range shown in the second column. <i>Type C materials</i> are those materials which contain any substance listed in Table II in a concentration greater than shown in the third column. When the Department has reason to suspect that biological contaminants are present (for example, because of the physical parameters) additional testing may be required. Table 4.1.6-2 adapted from Table II MassDEP-DWPC Regulations, 314 CMR 9.07, Effective 3/1/95.						