
CANDIDATE SITE EVALUATION SHEETS

The following information sheets, represents a composite of all evaluation sheets received from the participants of the Columbia River Offshore Disposal Site Working Groups. Information was recorded in the order in which it was received. The information was taken from the original evaluation sheets and represent the individual opinion of participants. Additional columns added to the evaluation sheets by individual participants were not included in the composite sheets because not all participants would be rating against the same criteria; however, any additional comments provided by individuals were included on the composite sheets verbatim. Consideration was given to all comments received; the Corps/EPA evaluation sheets can be viewed in Volume I of Appendix H.

Candidate Site 1 "Skirt Site"
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	7	2		Maybe near shale pile, depends on thin layer/pinpoint?, depends on placement	1, 6, 8, 11	a
2. Physical Sediment Compatibility	2	5	3	Like on like preferred, Grain size? ?, very fine sand like on like?, partially in expanded site B, too large, requires info from crab/fish issues, like on like, very fine sand, very fine sand	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		1	3	Don't know, concern with upriver sed., concern with upriver sed.	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		4	5	Overlaps F and B, overlaps F and B, overlaps F and B, overlaps F and expanded B, may already be impacted by past disposal	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			5	Not enough information	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	3	4	2	Only if crabbing occurs, Crab and ground fish fishery, overlaps crab ground fish fishery, crab, groundfish, salmon, crab, groundfish, salmon	2, 8	a, b
7. Recreational Fisheries		4	5	Salmon fishing, salmon, other, salmon, other	2, 8	a, b
8. Breeding/Spawning Areas	4	3	1	Some fish spawning may occur, potential for ground fishing, crab breeding, crab groundfish, salmon, other, crab groundfish, salmon, other, not enough information	2, 8	a, b
9. Nursery Areas	6	2		Juvenile flatfish, juvenile flatfish, crab groundfish, salmon, other, not enough information	2, 8	a, b
10. Feeding Areas	4	3		For all species, crab groundfish, salmon, other, not enough information	2, 8	a, b
11. Migration Routes			3	Not enough information, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	3		4	Defer to USFWS and NMFS not enough, Information, salmon fishing area, EFH, not enough information	2, 8	a, b
13. Spatial Distribution of Benthos	4	4		High concentration of benthos, high	2, 8, 10	a, b

				productivity and large area, not enough information		
14. Marine Mammals			8		2, 8	a, b
15. Mineral Deposits			3	Unknown, Don't know, not enough information	1, 8	a, b, c
16. Navigation Hazard	2	2	5	In tow lanes, don't have information, crabbers not thrilled with the site, no contribution to the littoral system, in tow boat lane navigation safety, tow boat lane	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		3	1	Unknown, don't have information, bar pilots, not enough information	8	a, b, d
18. Degraded Areas			2	Unknown, not applicable	4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics			5	Don't have information	4, 6, 9	a, b, d
20. Recreational Uses			8	Probably not	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			8		11	b
22. Physical Oceanography: Waves/Circulation	1	2	4	Unknown, possibly if pinpoint disposal, mounding	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	1	2	Unknown, don't know, takes sand out of littoral drift, Loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring		2	6	May be difficult to monitor, towboat lane	5	c
25. Shape/size of Candidate Site	2		4	Small area, defer to COE, impacts too much habitat	1, 4, 7	d
26. Size of Buffer Zone	2	2	2	Small area, may be too close to site B	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	3	1	1	Unknown, don't know probably not, alter habitat lower productivity, not enough information	4, 7	c, d

Additional Comments: Unexceptable unless made much smaller, Mitigation regulatory flexibility analysis, socio-economic issues

Candidate Site 2 “Expanded Area E”
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}					COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	1	3	5		Depends on placement	1, 6, 8, 11	a
2. Physical Sediment Compatibility		3	6	1	Like on like, like on like, very fine grain	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility			5		Don't know, concern with upriver sed.	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	1	6	2	1	Could be, good history of impacts and how material will behave, defer to COE, adjacent to E, sediment transport from E	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	1		4		Do not have information, unlikely because of high energy dynamics	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	2	4	1		Alteration of transport area, crab, crab	2, 8	a, b
7. Recreational Fisheries	1	5	3		Alteration of transport area, sturgeon , other?	2, 8	a, b
8. Breeding/Spawning Areas	3	2	1		Unknown, additional research required, crab, not enough information	2, 8	a, b
9. Nursery Areas	3		3		Unknown, not sure, additional research required, crab, not enough information	2, 8	a, b
10. Feeding Areas	3	2	1		Unknown, crab, not enough information	2, 8	a, b
11. Migration Routes	3		3		Don't know, crab, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	2	1	5		Defer to USFWS and NMFS, salmon fishing, crab and salmon closure area	2, 8	a, b
13. Spatial Distribution of Benthos	4	4			Probably not	2, 8, 10	a, b
14. Marine Mammals		1	6		Check NMFS, not enough information	2, 8	a, b
15. Mineral Deposits		2	2		Unknown, I do not have this information, not enough information	1, 8	a, b, c
16. Navigation Hazard	4	4			Concern to fisherman could be managed, Monitoring necessary, defer to COE and CRCFA, navigation problems for small boats if mounds develop, short term vs long term distribution of materials, interfering with fishing, need date buoy info extremely high potential	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			3		Unknown, probably not but not sure, not enough information	8	a, b, d
18. Degraded Areas		1	3	1	unknown	4, 6, 7	a, b, d

19. Water Column Chem./Phys. Characteristics		1	4		Do not have this information	4, 6, 9	a, b, d
20. Recreational Uses		2	4		Unknown, sturgeon other?	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		2	2		Many wrecks on site, ship wreck close by, some overlap	11	b
22. Physical Oceanography: Waves/Circulation	2	6		1	Defer to COE, high energy with contribution to the littoral system, like on like?, where does the material go any how?, littoral system, wave amplification and mounding	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	3	1	4	Unknown, erosive site, sand stays in littoral drift, affect on mud hole?, channel?, and beach?, into heavy crabbing area resulting in stuck gear and possible wave amplification, socio-economic	1, 3, 6, 7	a, b, d
24. Monitoring		2	7		Maybe difficult to monitor, mounding softshell wave amplification	5	c
25. Shape/size of Candidate Site		4	4	2	Small site and erosive, maybe difficult capacity, manageable size soft shell presence, smaller area, not adequate size, mounding potential	1, 4, 7	d
26. Size of Buffer Zone	3	3	2		Crabbing location, crabbing area, interference with crab and crabbing	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects		5	1	1	Unknown	4, 7	c, d

Additional Comments; ODFW acceptable site, Socio-economic issues, RFA, mitigation, concurrence with Pacific County master plan permit

Candidate Site 3"Shale Site"
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	5	4		Loss of unique area that was never evaluated, naturally occur hard bottom habitat sand disposal would alter dramatically, unique, shall bottom (not shale pile which is farther south)	1, 6, 8, 11	a
2. Physical Sediment Compatibility	7	3		Not like on like, naturally occur hard bottom habitat sand disposal would alter dramatically, not like on like, shale bottom	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	2	2	1	Unknown	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal			6	N/P, NA	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	1	5	1	Unknown, high potential for halibut and other fish	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	1	4	3	Halibut Fishery	2, 8	a, b
7. Recreational Fisheries		1	7		2, 8	a, b
8. Breeding/Spawning Areas	1	5	2	Unknown, Halibut, potentially very high unique habitat not a waste lands just no crab!, halibut, not enough information	2, 8	a, b
9. Nursery Areas	1	4	3	Unknown, potentially very high unique habitat not a waste lands just no crab!, not enough information	2, 8	a, b
10. Feeding Areas	1	5	2	Unknown, halibut, potentially very high unique habitat not a waste lands just no crab!, not enough information	2, 8	a, b
11. Migration Routes		2	2	Unknown, potentially very high unique habitat not a waste lands just no crab!, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	1		8	Defer to USFWS and NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	4	3	2	Definite Change, Not like on like, potential very high	2, 8, 10	a, b
14. Marine Mammals			7	not enough information	2, 8	a, b

15. Mineral Deposits		4	Unknown, don't have info, not enough information	1, 8	a, b, c
16. Navigation Hazard		2 8	In revised location partially in commercial shipping lanes, in towboat lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		3	Unknown, don't have info, not enough information	8	a, b, d
18. Degraded Areas	2	2	Check NMFS, not a degraded area!, unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		5	Don't have info	4, 6, 9	a, b, d
20. Recreational Uses		8		2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		8		11	b
22. Physical Oceanography: Waves/Circulation	1	8		1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	1 4	Sand out of littoral drift, loss of sand to littoral zone	1, 3, 6, 7	a, b, d
24. Monitoring	1	2 5	Would not be able to determine biological community if disposed on, depth	5	c
25. Shape/size of Candidate Site		1 5 1	Unknown, small site, where is it really?!?!	1, 4, 7	d
26. Size of Buffer Zone	1	3 2	Unknown	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	1	3 3	Unknown	4, 7	c, d

Additional Comments; Unique feature do not obliterate
ODFW does not support the use of this site

Candidate Site 4 “Benson Beach”
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	2	1	3		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features		6	2		1, 6, 8, 11	a
2. Physical Sediment Compatibility		4	2	Beach Nourishment	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		4		Don't know, concern with upriver sediments	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		5	1	NA	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		4		Don't know, limit resource impacts	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		2	3	1 Reduce wave action, potential crab, sturgeon, crab (small area)	2, 8	a, b
7. Recreational Fisheries		3	3	2 Deepen area, potential razor clam beach, possibly if fish inside jetty, sport fishing/jetty	2, 8	a, b
8. Breeding/Spawning Areas		2	4	Not sure, crab small area	2, 8	a, b
9. Nursery Areas		3	4	Potential crab nursery, crab small area	2, 8	a, b
10. Feeding Areas		3	3	crab small area	2, 8	a, b
11. Migration Routes		2	4	Unknown, crab small area	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		8		Defer to USFWS and NMFS	2, 8	a, b
13. Spatial Distribution of Benthos		7			2, 8, 10	a, b
14. Marine Mammals		6		not enough information	2, 8	a, b
15. Mineral Deposits		4		not enough information	1, 8	a, b, c
16. Navigation Hazard		2	2	1 If placed inshore mounding problems could occur, defer to CRCFA and small boaters, littoral drift data needed	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		6		Don't have information	8	a, b, d
18. Degraded Areas		3	5	Enhance state park beach potential public erosion value, beach nourishment, Don't have information	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		5			4, 6, 9	a, b, d
20. Recreational Uses		3	1	5 Enhance state park beach potential public erosion value, beach nourishment, sport fishing sturgeon, sport fishing	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		7	1	Enhance state park beach potential public erosion value	11	b

22. Physical Oceanography: Waves/Circulation		1	4	1	Enhance state park beach potential public erosion value, probably	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		1	1	2	Enhance state park beach potential public erosion value, don't know	1, 3, 6, 7	a, b, d
24. Monitoring		3	3	2	On beach, close monitoring of Peacock Spit	5	c
25. Shape/size of Candidate Site			2	2	Capacity? NA, should be larger	1, 4, 7	d
26. Size of Buffer Zone			4	1		2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects		1	4	2	Disposal inside jetty and rework material with pipeline	4, 7	c, d

Additional Comments: Cost feasibility technical ability to do is a question good solution if can be a win win costs a serious concern

Cost? Need to know the true cost balancing transient vs rehandeling overall feasibility??

ODFW acceptable site

Not a significant impact to resources additional information needed on cost and feasibility

Littoral drift data needed, Pacific County Permit

Candidate Site 5 “Deep Water Oregon Site”
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}					COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	1	6	1		Way too big	1, 6, 8, 11	a
2. Physical Sediment Compatibility	1	7	1	1	Channel deepening sediment?, appears to be like on like, most very fine grain concern with upriver sediments	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		3	4		Some areas, don't know, concern with upriver sediments	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	3	2	4		Site B and F, includes F, site F mounding limited capacity	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		3	3		Unknown, possibly in this huge area, not enough information	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	5	3	1		Crab fishing, ground fish and crab, crab, groundfish, mid-water salmon	2, 8	a, b
7. Recreational Fisheries	2	5	2		Salmon Fishing, salmon, flatfish, salmon, halibut and others	2, 8	a, b
8. Breeding/Spawning Areas	6	1			Unknown, rearing areas, juvenile flatfish and soft shell crab, not enough information	2, 8	a, b
9. Nursery Areas	6	1			Unknown, Flatfish and soft shell crab, flatfish crab and a lot overlap, juvenile flatfish and soft shell crab, not enough information	2, 8	a, b
10. Feeding Areas	5	2			Unknown, not enough information	2, 8	a, b
11. Migration Routes		3	4		not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	3		5		Defer to USFWS and NMFS, salmon habitat EFH	2, 8	a, b
13. Spatial Distribution of Benthos	5	3	2		Dependent on like on like, Certain areas show high benthic productivity, site includes high benthos, mostly high benthic productivity	2, 8, 10	a, b
14. Marine Mammals			7		not enough information	2, 8	a, b
15. Mineral Deposits			4		Unknown, I don't have this info, not enough information	1, 8	a, b, c
16. Navigation Hazard		8	2		Shipping and commercial, towboat, mounding too shallow/non-dispersive as in A and F	1, 8	a, b, d

17. Other uses of Ocean (cables, pipelines etc.)		1	2	Unknown, don't have info, not enough information	8	a, b, d
18. Degraded Areas			2	Unknown, NA, unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			4	Don't have info	4, 6, 9	a, b, d
20. Recreational Uses		4	3	Unknown, salmon fishing, salmon halibut and all other	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			8		11	b
22. Physical Oceanography: Waves/Circulation		4	2	Unknown	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	1	3	3	Unknown, don't know, doesn't contribute to the littoral drift, May not provide input to the littoral zone	1, 3, 6, 7	a, b, d
24. Monitoring			8	Way too big	5	c
25. Shape/size of Candidate Site	3	1	5	Large for review-adjustment good, provides flexibility for operations, very large site, very large, too large-alters habitat	1, 4, 7	d
26. Size of Buffer Zone	4	4	1	This site too big, too large-alters habitat, too large-alters habitat	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	2	1	1	Unknown, soft shell crab in area, not enough information	4, 7	c, d

Additional Comments: A lot of this site shows high concentration of benthos per COE, maybe? A small site to minimize impacts somewhere in this area would be ok.

ODFW does not support the use of this site

If site is reduced and moved south impact on resources could be reduced

Need baseline data on crab and fish (breeding, nursery, feeding, etc.) Mitigation, RFA

Candidate Site 6 & 7 “Nearshore Sites”
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}					COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	3	5			Will disposal impact the mudhole feature?, incorporates mudhole	1, 6, 8, 11	a
2. Physical Sediment Compatibility	2	4	3	1	Like positive long term, not all like on like sediments, not completely like on like, silt area very fine sand	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	2	1	4		Don't know, concern with upriver sediments	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	1	6	2		Site B and F, B and F, site A and B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		2	6		Razor clams, clams	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	6	3			Crab fishery, crab pots and draggers from May to August 14, need to determine impact to crab fishing Oregon and Washington softshell August 1 beginning, major impact on crabbing, major interference crab and groundfish	2, 8	a, b
7. Recreational Fisheries	1	4	4		Salmon closure area	2, 8	a, b
8. Breeding/Spawning Areas	3	4			Clams?, sand sole, salmon closure area and crab, not enough information	2, 8	a, b
9. Nursery Areas	3	3	1		Unknown, crabs?, sand sole and other?, salmon closure area and crab, not enough information	2, 8	a, b
10. Feeding Areas	3	4			Cutthroat trout feeding area? Crab?, salmon closure area and crab, not enough information	2, 8	a, b
11. Migration Routes			4		Unknown, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	2	1	6		Defer to USFWS and NMFS, EFH	2, 8	a, b
13. Spatial Distribution of Benthos	2	3	4	1	Minimal impact, high benthic productivity	2, 8, 10	a, b
14. Marine Mammals			7		not enough information	2, 8	a, b
15. Mineral Deposits	1	1	2		Don't know, not enough information, black sand mining	1, 8	a, b, c
16. Navigation Hazard	2	3	3		Unknown, if thin layer disposal, not sure, crabbers are totally opposed, biggest concentration of crab gear	1, 8	a, b, d

17. Other uses of Ocean (cables, pipelines etc.)			4		Don't know, not enough information	8	a, b, d
18. Degraded Areas			4	1	Unknown, if moved in to ensure beach nourishment	4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics			5		Don't know	4, 6, 9	a, b, d
20. Recreational Uses		1	4	1	Benefits beach recreation potentially	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		1	7	1		11	b
22. Physical Oceanography: Waves/Circulation		5	2	2	Unknown, ok with thin layer, if in shallow? seasonal?, potential movement on shore	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	2	2	4	Unknown, helps keeps sand in the littoral system, keep sand in littoral, possible nearshore transfer zone, if in shallow? seasonal?, migration to mudhole and cause stuck crab gear	1, 3, 6, 7	a, b, d
24. Monitoring	2	2	4	1	May be difficult to monitor because high energy site, defer to COE, too shallow	5	c
25. Shape/size of Candidate Site	2	3	4	1	Provides capacity to manage dispersal, may be difficult to maneuver dredge to avoid resources, large area	1, 4, 7	d
26. Size of Buffer Zone	3	3	3			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	4	1	2		Unknown, crab pot May to August, area along crabbing area	4, 7	c, d

Additional Comments; This proposal ties in with #7 as completely opposite to WDFW's past regulation theme for this area and is idiotic as a WDFW proposal. This area and #7 is the most heavily fished by the crab fleet during the dumping time, on the entire west coast. I can't believe that WDFW representatives Burkle and Barry would have so little integrity as to have the guts to present these bullshit proposals. Politics reign eternal.

These proposals are the most intrusive to the crab fishing areas of all proposals presented to date. No assurance exists that any or most of the sands deposited in these sites will find their way inshore and act as replenishment material. This is a ploy to get the public off state official's back by appearing to be problem solving. Prove it and the crab fleet may change their opinion. Until then the fleet is totally opposed.

Requires additional study to determine it benefits beach nourishment

Favors if no conflict with Oregon crabbers

Mitigation, RFA, scocio-economic impact, littoral drift data needed, Pacific County permit

Candidate Site 8 “Small Central Deep Water Site”

Ocean Dredged Material Disposal Site Conflict Matrix for Evaluating Potential for Conflict with Required Considerations of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT :			COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	1	7		May overlap with shale pile site unique bottom features	1, 6, 8, 11	a
2. Physical Sediment Compatibility	2	4	4	Not like on like, not like on like, not necessary like on like, some not like on like, ½ fine, ½ very fine (small area)	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	1	4		Don't know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		7			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		6		Don't know	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	1	7	1	Some ground fishing within site	2, 8	a, b
7. Recreational Fisheries		7			2, 8	a, b
8. Breeding/Spawning Areas	2	6		Unknown, not enough information	2, 8	a, b
9. Nursery Areas	4	4		Unknown, small area, not enough information	2, 8	a, b
10. Feeding Areas	5	3		Unknown, small area, not enough information	2, 8	a, b
11. Migration Routes	1	3		Unknown, small area, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		8		Defer to USFWS and NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	1	3	3	Unknown, productive area, may be impact to benthos from unlike sediments, don't know, COE thinks it may be a high concentration of benthos, lower benthic productivity	2, 8, 10	a, b
14. Marine Mammals		7		not enough information	2, 8	a, b
15. Mineral Deposits		5		Don't know, not enough information	1, 8	a, b, c
16. Navigation Hazard	1	2	5	Commercial shipping, some concerns regarding towboat lanes, don't know, navigation issue?, tow lane, in tow lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		4		Don't know, not enough information	8	a, b, d
18. Degraded Areas		5			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		5		Don't know	4, 6, 9	a, b, d
20. Recreational Uses		7	1		2, 8, 11	a, b, c, d

21. Cultural/Historic Sites			7			11	b
22. Physical Oceanography: Waves/Circulation			8		Deep	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	1	4		Unknown, doesn't keep sand in system, deep outside littoral system	1, 3, 6, 7	a, b, d
24. Monitoring		3.	5		May be difficult to monitor in deep water, depth	5	c
25. Shape/size of Candidate Site	1	3	4	2	Enough? Not very large, small site, can expand offshore for navigation if needed, confined site, could expand west or south	1, 4, 7	d
26. Size of Buffer Zone		3	5	1	Enough? No buffer zone, too small	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	1	1	6		Site may not be dispersive, outside of other sites	4, 7	c, d

Additional Comments: Costly

Candidate Site 9 "Astoria Canyon"
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/} POTENTIAL CONFLICT :			COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria^{4/} (40CFR 228.5)
	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	6	2		Unusual topography canyon wall provide structure	1, 6, 8, 11	a
2. Physical Sediment Compatibility	3	2		Risk of sand slides	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	4	1			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	1	4		Never been disposed on before	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	5				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	4	3		Ground fishery	2, 8	a, b
7. Recreational Fisheries		5			2, 8	a, b
8. Breeding/Spawning Areas	4			not enough information	2, 8	a, b
9. Nursery Areas	4			not enough information	2, 8	a, b
10. Feeding Areas	4			not enough information	2, 8	a, b
11. Migration Routes	1	3		not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	1	3		not enough information	2, 8	a, b
13. Spatial Distribution of Benthos	3	1	1	Maybe	2, 8, 10	a, b
14. Marine Mammals		1	5	Don't know, not enough information	2, 8	a, b
15. Mineral Deposits	2	1		not enough information	1, 8	a, b, c
16. Navigation Hazard	2	6		In towboat lane, towboat lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		3		Unknown, not enough information	8	a, b, d
18. Degraded Areas		3		Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		5			4, 6, 9	a, b, d
20. Recreational Uses		5			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		6			11	b
22. Physical Oceanography: Waves/Circulation	2	3		Don't Know	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	2	1	2	Loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring	1	3	1	Make it harder, would be difficult to monitor	5	c
25. Shape/size of Candidate Site		1	4	Deep	1, 4, 7	d
26. Size of Buffer Zone	1	2	2		2, 3, 4, 7, 11	b, d

27. Potential for Cumulative Effects	2	3		Unknown	4, 7	c, d
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Additional Comments: Not enough is known, high potential for lawsuit, Slope slide not, a researched site, couple with Benson beach (nearshore), Need baseline data

Candidate Site 10 “Expanded Site F”
Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	2	3			1, 6, 8, 11	a
2. Physical Sediment Compatibility	5	2		Not like on like, very fine grain concern with upriver sediments	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	2	4		concern with upriver sediments	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	2	3	2	Previously used, mounding/limited capacity (shallow)	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	2	3		Unknown	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	3	4		Ground fishery soft shell crabs, crab, groundfish, mid-water salmon	2, 8	a, b
7. Recreational Fisheries	1	3	3	Salmon, halibut, and others	2, 8	a, b
8. Breeding/Spawning Areas	1	2	1	Unknown, juvenile flat fish and softshell crabs, not enough information	2, 8	a, b
9. Nursery Areas	1	3		Unknown, juvenile flat fish and softshell crabs, not enough information	2, 8	a, b
10. Feeding Areas	1	3		Unknown, for juvenile salmon, not enough information	2, 8	a, b
11. Migration Routes	2	3		for juvenile salmon, not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	3		4	EFH	2, 8	a, b
13. Spatial Distribution of Benthos	4	2	1	Potential if not like on like, high benthic productivity	2, 8, 10	a, b
14. Marine Mammals			5	not enough information	2, 8	a, b
15. Mineral Deposits			2	Unknown, not enough information	1, 8	a, b, c
16. Navigation Hazard	1	7		Needs to be managed to minimize impact. Wave amplification, possible mounding, deep draft, mounding, too shallow, non-dispersive	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		1	1	Unknown, bar pilot exchange area, not enough information	8	a, b, d
18. Degraded Areas			2	Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			4		4, 6, 9	a, b, d
20. Recreational Uses	2	3		Unknown, salmon halibut other	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			6		11	b
22. Physical Oceanography: Waves/Circulation	1	5		Wave amplification	1, 3, 6, 7	a, b, d

23. Direction of Transport/Potential for Settlement	4	3		Loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring	1	6			5	c
25. Shape/size of Candidate Site	2	3		Limited site capacity	1, 4, 7	d
26. Size of Buffer Zone	2	3			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	3			Unknown, Don't know	4, 7	c, d

Additional Comments: Inadequate capacity, mitigation and RFA

Organization Name: CRCC
 Date: 8-20-98

**Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
						Eleven Specific ^{3/} Factors (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features						1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				? grain size	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility						3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal						5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution						2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries						2, 8	a, b
7. Recreational Fisheries						2, 8	a, b
8. Breeding/Spawning Areas						2, 8	a, b
9. Nursery Areas						2, 8	a, b
10. Feeding Areas						2, 8	a, b
11. Migration Routes						2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species						2, 8	a, b
13. Spatial Distribution of Benthos	X					2, 8, 10	a, b
14. Marine Mammals						2, 8	a, b
15. Mineral Deposits						1, 8	a, b, c
16. Navigation Hazard	X				in tow lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)						8	a, b, d
18. Degraded Areas						4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics						4, 6, 9	a, b, d
20. Recreational Uses						2, 8, 11	a, b, c, d
21. Cultural/Historic Sites						11	b
22. Physical Oceanography: Waves/Circulation						1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				Waves send out of littoral drift	1, 3, 6, 7	a, b, d
24. Monitoring						5	c
25. Shape/size of Candidate Site						1, 4, 7	d
26. Size of Buffer Zone						2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects						4, 7	c, d

Organization Name: Crcc
 Date: 8-20-98

Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)					
1. Unusual Topography/Unique Bottom Features						1, 6, 8, 11	a
2. Physical Sediment Compatibility		X			like on like	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility						3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			good history of impacts	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					by new material	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					wet behavior	2, 8	a, b
7. Recreational Fisheries						2, 8	a, b
8. Breeding/Spawning Areas						2, 8	a, b
9. Nursery Areas						2, 8	a, b
10. Feeding Areas						2, 8	a, b
11. Migration Routes						2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species						2, 8	a, b
13. Spatial Distribution of Benthos					not much impact	2, 8, 10	a, b
14. Marine Mammals						2, 8	a, b
15. Mineral Deposits						1, 8	a, b, c
16. Navigation Hazard	X				Concern to fishermen could be managed	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)						8	a, b, d
18. Degraded Areas						4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics						4, 6, 9	a, b, d
20. Recreational Uses						2, 8, 11	a, b, c, d
21. Cultural/Historic Sites						11	b
22. Physical Oceanography: Waves/Circulation						1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			erosive site - Sand bars in littoral drift	1, 3, 6, 7	a, b, d
24. Monitoring						3	c
25. Shape/size of Candidate Site		X			Small site & erosive	1, 4, 7	d
26. Size of Buffer Zone						2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects						4, 7	c, d

Organization Name: CRCC
 Date: 8-20-98

Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}				Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			not like on lake	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos					2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits				in revised location partially in commercial shipping lanes?	1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			Sand out of bottom drift	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: Creec
 Date: 8-20-98

Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility		X		<i>Beach nourishment</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos					2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

*Cost/feasibility/technical ability to do
 is a question - good soln. if can be a win-win
 incl. n. serious concern*

Organization Name: CNCC
 Date: 8-20-98

**Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos	X			<u>in some areas</u>	2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard	X			<u>Shipping/commercial</u>	1 ⁸	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				<u>doesn't contribute to littoral system</u>	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site	X			<u>large for review + adj - goes dd -</u>	1, 4 ⁹ , - goes dd -	
26. Size of Buffer Zone				<u>provides flex. for operations</u>	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: CRC
 Date: 8-20-98

Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific ^{3/} Factors (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility		X		<i>like - positive long-term</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos		X		<i>minimal impact</i>	2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses	?	X		<i>potential - benefits beach recreation</i>	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X		<i>helps keep sand in littoral system</i>	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site		X		<i>provides capacity to manage disposal</i>	1, 4, 7	d
26. Size of Buffer Zone				<i>+ dispersal</i>	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Req. additional study to determine if it benefits beach purposes

Organization Name: CRCI
 Date: 8-20-98

**Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features			X	<i>like or like</i>	1, 6, 8, 11	a
2. Physical Sediment Compatibility		X		<i>positive long term - minimizes impacts</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal				<i>on benthos & resources</i>	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos		X		<i>min. impacts</i>	2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X		<i>keeps sand in littoral system</i>	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site		X		<i>provides capacity to manage dispersal</i>	1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: CRC
 Date: 8-20-98

Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			not like on like	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos	X			prod. area	2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard	X			commercial shipping	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)						a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			doesn't keep sand in system	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site	X			not very large	1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Cost by —

Organization Name: CRLC
 Date: 8-20-98

Candidate Site 9 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	BENEFICIAL USE		REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features				<i>not enough is known</i>	4, 6, 8, 11	a
2. Physical Sediment Compatibility				<i>hi potential for lawsways</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos					2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: Cree
 Date: 8-20-98

*#10
F - expanded*

Candidate Site F Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos					2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard	X			needs to be modified to minimize impacts	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Unacceptable, unless made much smaller. See attached map.

"SKIRT"

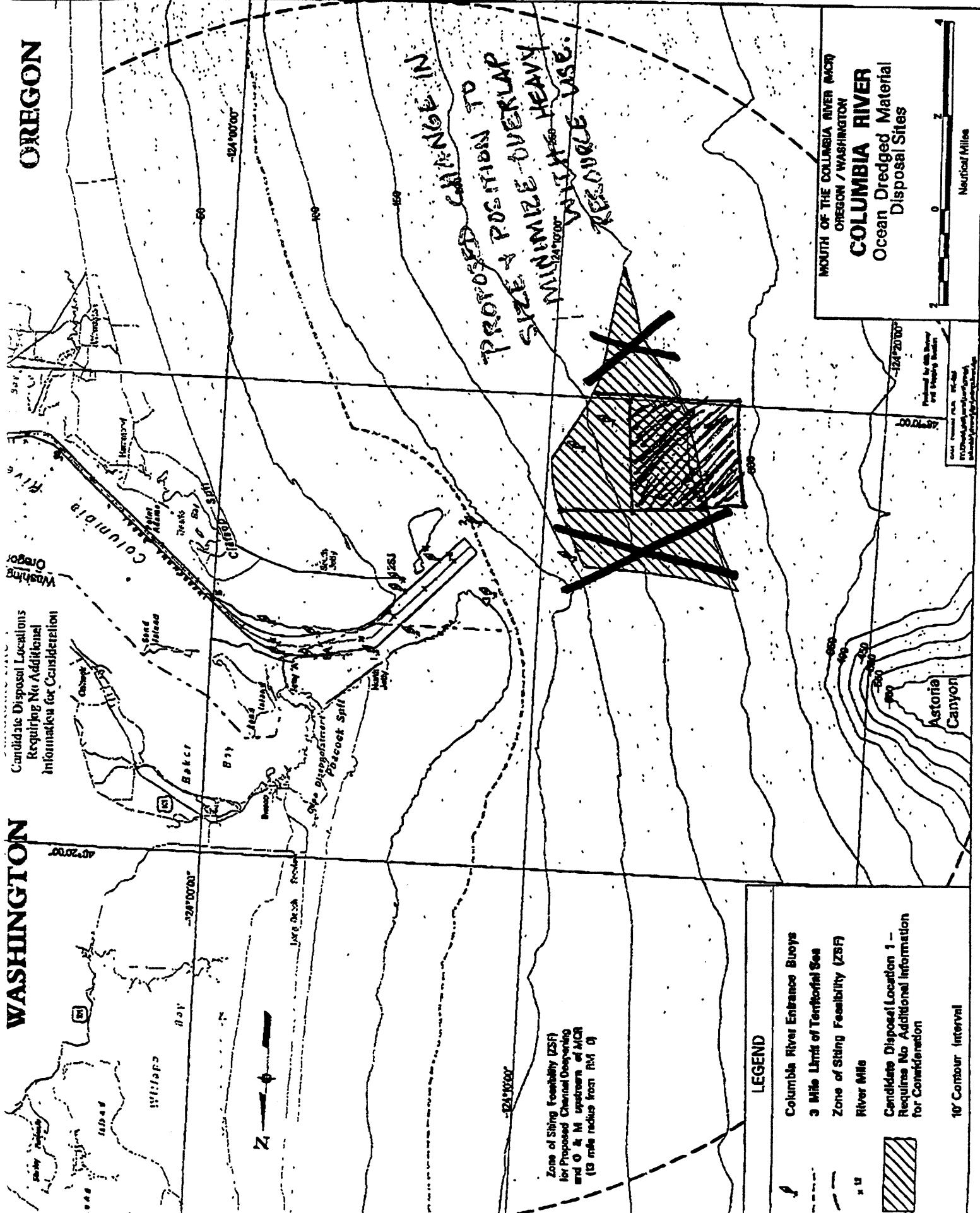
Site 1

Ocean Dredged Material Disposal Site Conflict Matrix for Evaluating Potential for Conflict with Required Considerations of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General ^{4/} Criteria (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓			Depends on thin layer/pinpoint	2, 6, 8, 11	a
2. Physical Sediment Compatibility		✓		?	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				Dont Know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓			overlaps F & B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution				Not enough information	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			overlaps crab, GF fishery	2, 8	a, b
7. Recreational Fisheries	✓			salmon fishing	2, 8	a, b
8. Breeding/Spawning Areas	✓			Potential for GF, crab breeding	2, 8	a, b
9. Nursery Areas	✓			juvenile flat fish	2, 8	a, b
10. Feeding Areas	✓			for all species	2, 8	a, b
11. Migration Routes				not enough information	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species				Defer to USFWS, NMFS not enough information	2, 8	a, b
13. Spatial Distribution of Benthos	✓				2, 8, 10	a, b
14. Marine Mammals		✓			2, 8	a, b
15. Mineral Deposits				DON'T KNOW	1, 8	a, b, c
16. Navigation Hazard				don't have information	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				don't have information	8	a, b, d
18. Degraded Areas				Not applicable	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics				don't have information	4, 6, 9	a, b, d
20. Recreational Uses	✓			probably not	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation	✓			possibly if pinpoint disposal	4, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				don't know	1, 3, 6, 7	a, b, d
24. Monitoring		✓			5	c
25. Shape/size of Candidate Site				Defer to Corps	1, 4, 7	d
26. Size of Buffer Zone		✓			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓			don't know - probably not	4, 7	c, d

yfine sand (like or like?)
partially in expanded site B
large
gives info. from crab/fish issues

crabbers not thrilled w/ the site
no contribution to littoral system
in towboat lane - navi. safety?
high conc. of benthos?



Acceptable Site

EXPANDED E

Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS
	CONEFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE		5 General Criteria ^{4/} (40CFR 228.5)	
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				don't know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓			refer to Corps	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓			do not have information	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			crab	2, 8	a, b
7. Recreational Fisheries	✓			sturgeon, other?	2, 8	a, b
8. Breeding/Spawning Areas	✓				2, 8	a, b
9. Nursery Areas	✓			not sure	2, 8	a, b
10. Feeding Areas	✓				2, 8	a, b
11. Migration Routes				don't know	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species				refer to FISFWS NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	✓				2, 8, 10	a, b
14. Marine Mammal's	✓				2, 8	a, b
15. Mineral Deposits				I do not have this info	1, 8	a, b, c
16. Navigation Hazard	✓			refer to Corps, CRCFA	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				probably not, but not sure	8	a, b, d
18. Degraded Areas	✓	✓			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics				do not have this information	4, 6, 9	a, b, d
20. Recreational Uscs	✓			see #7	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓			Some overlap	11	b
22. Physical Oceanography: Waves/Circulation	✓			refer to Corps	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓			effect on mudhole? channel? beach?	1, 3, 6, 7	a, b, d
24. Monitoring	✓				5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓			Crabbing location	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓				4, 7	c, d

larg. problems for smaller boats if mounds develop - short-term vs. long-term distribution of material
 interference w/ fishing there

high energy, w/ contrib. to littoral system(?)
 like on like
 where does the material go anyhow?

manageable size
 soft-shell presence

Date:

ODFW does not support the use of this site

Note: This polygon is located incorrectly. See attached map.

Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

**SHALE
PILE**

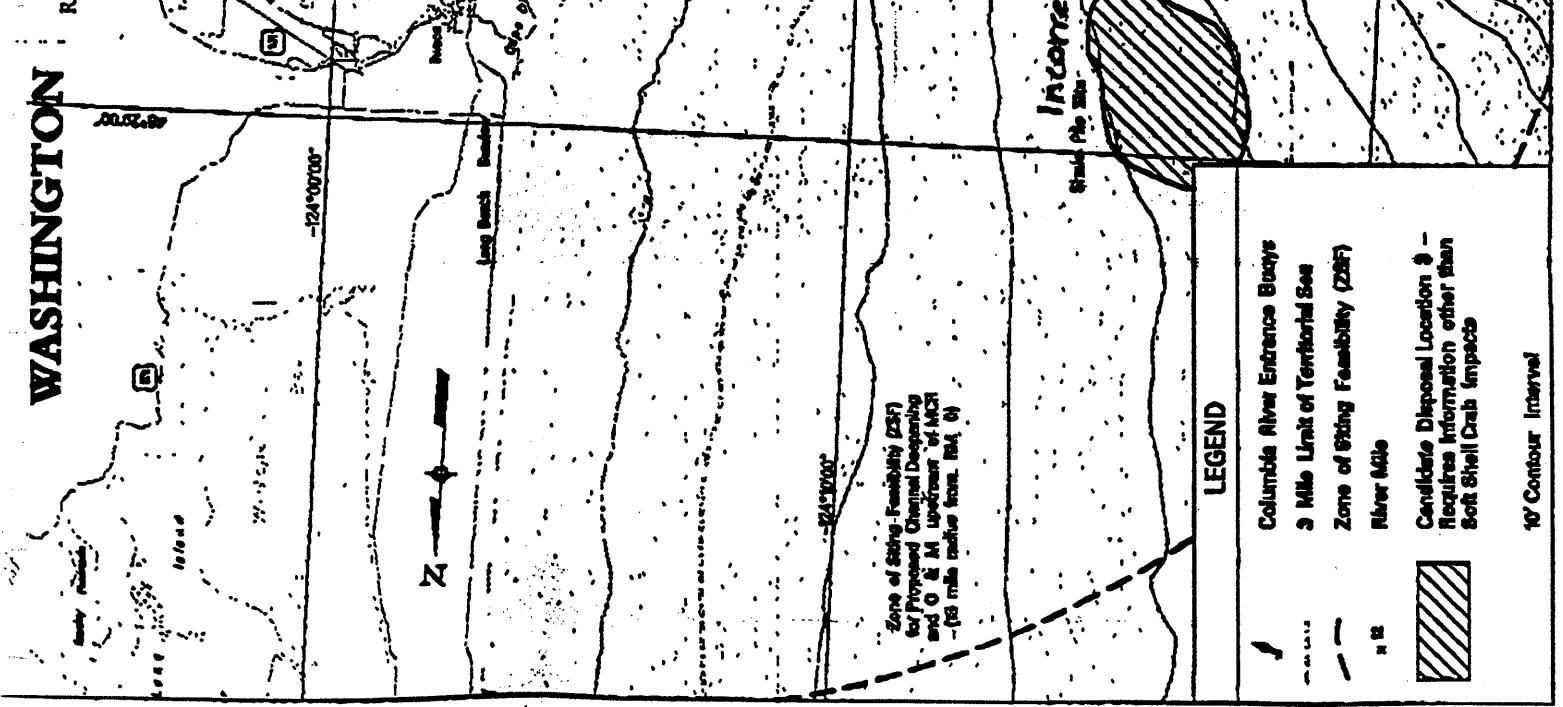
AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS ^{3/}	RELEVANT SPECIFIC FACTORS
	✓	✓	✓		(40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓			Naturally occurring hard bottom habitat. Sand disposal would alter dramatically.	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				Unknown	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal				N/A	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓			high potential for halibut, other fish.	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				2, 8	a, b
7. Recreational Fisheries	✓	✓			2, 8	a, b
8. Breeding/Spawning Areas	✓			Potential very high - Unique habitat. Not a wasteland,	2, 8	a, b
9. Nursery Areas	✓	✓			2, 8	a, b
10. Feeding Areas	✓	✓		just no crab!	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓		refer to USFWS, NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	✓			Potential very high	2, 8, 10	a, b
14. Marine Mammals	✓				2, 8	a, b
15. Mineral Deposits				don't have info	1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				don't have info	8	a, b, d
18. Degraded Areas	✓			Not a degraded area!	4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics				don't have info	4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓			1, 3, 6, 7	a, b, d
24. Monitoring	✓			would not be able to determine biological community	5	c
25. Shape/size of Candidate Site	✓			if disposed.	1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓				4, 7	c, d

→ where is it really? !?

unique feature → don't obliterate.

OREGON

Indicates Site
Candidate Disposal Locations
Requiring Information other than
Soft Shell Crab Impacts

WASHINGTON

BENSON PT
BEACH Acceptable Site

404 Site

Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ¹	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	/	/	/		Eleven Specific Factors ² (40CFR 228.6)	5 General Criteria ⁴ (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	/				1, 6, 8, 11	a
2. Physical Sediment Compatibility		/			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				don't know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal				N/A	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution				don't know	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	/			potential crab, sturgeon	2, 8	a, b
7. Recreational Fisheries	/			possibly if fish inside jetty	2, 8	a, b
8. Breeding/Spawning Areas	/			not sure	2, 8	a, b
9. Nursery Areas	/			Potential crab nursery	2, 8	a, b
10. Feeding Areas	/				2, 8	a, b
11. Migration Routes		/			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		/		defer to USFWS, NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	/				2, 8, 10	a, b
14. Marine Mammals	/				2, 8	a, b
15. Mineral Deposits	/				1, 8	a, b, c
16. Navigation Hazard	/			defer to CRCPA, small boats	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				don't have information	8	a, b, d
18. Degraded Areas		/			4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics				don't have information	4, 6, 9	a, b, d
20. Recreational Uses	/			sport fishing, sturgeon	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		/			11	b
22. Physical Oceanography: Waves/Circulation	/			probably	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring		/			5	c
25. Shape/size of Candidate Site			/	N/A	1, 4, 7	d
26. Size of Buffer Zone		/			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	/			disposal inside jetty & rework material w/pipeline	4, 7	c, d

cost? need to know the true costs balancing transient vs. no-hand overall feasibility??

limits resource imports !

WINNING SITE

ODFW does not support the use of this site.

Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONEFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS
1. Unusual Topography/Unique Bottom Features	/					1, 6, 8, 11	a
2. Physical Sediment Compatibility	/				Channel deepening sediment?	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					don't know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	/				Site B + F	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	/				possibly in this huge area	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	/				GF, crab	2, 8	a, b
7. Recreational Fisheries	/				Salmon	2, 8	a, b
8. Breeding/Spawning Areas	/					2, 8	a, b
9. Nursery Areas	/				flatfish, crab, a lot of overlap	2, 8	a, b
10. Feeding Areas	/					2, 8	a, b
11. Migration Routes	/					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					refer to USFWS, NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	/					2, 8, 10	a, b
14. Marine Mammals	/					2, 8	a, b
15. Mineral Deposits					don't have this info	1, 8	a, b, c
16. Navigation Hazard	/					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					don't have info	8	a, b, d
18. Degraded Areas					N/A	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					don't have info	4, 6, 9	a, b, d
20. Recreational Uses	/				Salmon fishing	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	/					11	b
22. Physical Oceanography: Waves/Circulation	/					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					don't know	1, 3, 6, 7	a, b, d
24. Monitoring	/					5	c
25. Shape/size of Candidate Site	/					1, 4, 7	d
26. Size of Buffer Zone	/				this area too big	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	/					4, 7	c, d

lot of this site shows high conc. of benthics (per 100s)
maybe? a small site selected to minimize impacts
somewhere in this area would be ok

Favor, if no conflict with Oregon crabbers

Sites 6 & 7 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	✓	✓	✓		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓	✓			1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				don't know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓			sites B + F	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓		razor clams	2, 3, 6, & 11	a, b, d
6. Commercial Fisheries	✓			crab pots, draggers ^{May-Aug. 14}	2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓	✓		sand sole	2, 8	a, b
9. Nursery Areas	✓	✓		" other ?	2, 8	a, b
10. Feeding Areas	✓	✓			2, 8	a, b
11. Migration Routes				Unknown	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓		refer to USFWS, NMFS	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓				2, 8	a, b
14. Marine Mammals	✓				1, 8	a, b, c
15. Mineral Deposits	✓			don't know	1, 8	a, b, d
16. Navigation Hazard	✓			not sure	6	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				Don't Know	4, 6, 7	a, b, d
18. Degraded Areas		✓		if moved into ensure beach nourishment don't know	4, 6, 9	a, b, d
19. Water Column Chem./Phys. Characteristics					2, 8, 11	a, b, c, d
20. Recreational Uses					11	b
21. Cultural/Historic Sites	✓				1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓	✓		if in shallow? seasonal?	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓	✓		"	5	c
24. Monitoring		✓			1, 4, 7	d
25. Shape/size of Candidate Site	✓	✓		refer to Corps	2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone	✓	✓			4, 7	c, d
27. Potential for Cumulative Effects	✓			w/ crab pots May-Aug		

need to determine impact w/ crab fishing (OR + WI)

soft shell - Aug. 1-14 beginning

crabbers are "totally opposed" - biggest conc. of crab gear
will be used in next the "mud hole" feature.

Site 8

Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS
	✓	✓	✓	✓		Eleven Specific Factors ^{3/}	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓					1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					don't Know	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					don't Know	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		✓				2, 8	a, b
7. Recreational Fisheries		✓				2, 8	a, b
8. Breeding/Spawning Areas		✓				2, 8	a, b
9. Nursery Areas		✓				2, 8	a, b
10. Feeding Areas		✓				2, 8	a, b
11. Migration Routes						2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					defer to USFWS, NMFS	2, 8	a, b
13. Spatial Distribution of Benthos	✓				don't Know	2, 8, 10	a, b
14. Marine Mammals	✓					2, 8	a, b
15. Mineral Deposits					don't Know	1, 8	a, b, c
16. Navigation Hazard	?				don't Know tow line	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					don't Know	8	a, b, d
18. Degraded Areas	✓					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					don't Know	4, 6, 9	a, b, d
20. Recreational Uses	✓					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		✓				11	b
22. Physical Oceanography: Waves/Circulation	✓					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓				1, 3, 6, 7	a, b, d
24. Monitoring	✓					5	c
25. Shape/size of Candidate Site	✓				can expand offshore if needed	1, 4, 7	d
26. Size of Buffer Zone	✓				for navigation	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓					4, 7	c, d

Corps thinks it might be area w/ high conc. benthos
Not nec. like or like.

Confined site
Navig. issue? tow line



INTRADEPARTMENT MEMORANDUM
Marine Resources Program, Newport
(541) 867-0300 ext. 246
fax (541) 867-0311
email: arlene.merems@hmsc.orst.edu

Date: August 13, 1998
To: Dredge Material Disposal Working Group
From: Arlene Merems
Subject: COMMENTS FOR AUG. 19 & 20 MEETING

As I will not be able to attend the Dredge Disposal Meeting on August 19 and 20, I forward these comments to you regarding the Site evaluation process and other matters relating to this process as a whole.

Site Evaluation:

Site 1) The "Skirt"- overlaps juvenile flatfish nursery grounds and high density area of groundfish fishing. This site is wedged between and has some overlap with areas known to have important biological resources. Since many of the resource polygons were drawn subjectively, I do not have complete confidence in their boundaries, therefore, my primary recommendation is to not use this area at all until we have more concrete information about the resources in the whole area. If, however, this site is favored by the group, I recommend shrinking this site and moving it to slightly deeper water to minimize overlap with the "mapped" resource areas (see attached map).

Site 2) This site is acceptable as long as the site is monitored for wave amplification and vessel safety, as previously done. I think this is mostly Washington's decision whether or not to continue use of this site. If Washington is comfortable with it, so are we.

Site 3) The shale pile on the Corps map is in the wrong place. Its correct location is actually directly to the north of the Beasley's site (see attached map). One of our longtime fisheries managers brought this to my attention. He has stated that the shale pile may be prime halibut grounds and should not be disposed on until a biological assessment is made to determine otherwise. Any biological assessment would need to occur over a several month time period to determine seasonal use and density of halibut.

Site 4) This site is acceptable to us, but we defer to Washington.

Site 5) We do not approve of this site because of conflicts with many resource and biological uses. This site overlaps much of Oregon's crabbing area, softshell crab area, flatfish nursery area, and Oregon's groundfish area. It encompasses a tremendous amount of marine habitat.

Site 6) Not sure. If the idea here is beach nourishment (littoral system), it may be too deep to accomplish that. I wonder if there is enough wave energy in the deeper sections of this site to ensure sediment transport. We like the idea of utilizing the littoral system to disperse sediment, but I assume it would have to be in shallower than what is depicted here, probably 40 feet or less (I'm guessing). I learned of a potential problem with this site after speaking with our shellfish biologist on the north coast. He says that the area from the south jetty southward for 4 miles and inside of 100 feet deep is full of commercial crab pots from May until Aug. 14. After Aug. 14, the fishery is closed due to softshell conditions. Disposal operations here could create a conflict with the fishery during this time period. After Aug. 14, the pots are removed, but then the crab are soft so now there is that concern. This site may not be as desirable as was originally thought, unless the dredge can work inside of the crab pots. Perhaps a way around it is to just use the WA side if this is not a conflict for WA crabbers, or cut the Oregon side of the polygon by half to minimize conflict. I strongly encourage input from the Oregon crabbers on this one. If they have a problem with the

dredges inshore here, ODFW would not support use of this site. Neil Richmond will talk to Steve Berry, WDFW, about the situation on the WA side.

Site 7) Same considerations as 6.

Site 8) This site is acceptable. It's away from best known resource use areas, except for some overlap with the groundfish area, but it's not too large to be a concern. I like the idea of a few small areas this size, rather than one big area.

Other Sites

I would like to hear a discussion on using the littoral system. I think the Corps has concerns about operating the dredges in shallow (30 ft) water. What is the deepest they can go and still take advantage of the littoral system? What time of year is best for using this area? George Kaminsky of the Dept. of Nat. Resources (360-407-6797) is a contact I was given for the sediment transport research currently happening in Washington. It would be good if he was at the meeting. Eric Braun should also be able to address this issue. George Priest of DOGAMI will attend the meeting. He may provide some thoughts on beach nourishment.

There is sometimes mention of dumping sediment in the Astoria Canyon. **ODFW does not support this option.** The habitat there is very different from that of the shelf and deepwater species that inhabit this area are not likely able to tolerate enormous amounts of sedimentation. This area is also very important to the commercial groundfish fishery. **ODFW strongly disagrees with using the canyon as a dump site.**

Channel Deepening Disposal Sediments

I would like to hear the Corps comment on the process for disposal of this sediment. We have concerns that there is the assumption that the Channel Deepening sediment will be dumped in the same location as sediment from the mouth, regardless of differences in sediment characteristic. The Group needs to hear more about this in order to make fully informed recommendations for sites.



MEMORANDUM

OREGON DEPARTMENT OF

FISH AND WILDLIFE

2040 SE Marine Science Drive

Newport, OR 97365

voice: 541-867-0300 ext. 246 / fax: 541-867-0311

e-mail: arlene.merems@hmsc.orst.edu

Date: August 26, 1998

To: Laura Hicks, COE

From: Arlene Merems

Subject: Additional comments on Offshore Disposal Sites

Arlene

As you requested during our telephone conversation today, I am submitting additional comments on the disposal site selection process.

We recommend that the Corps strive to not choose disposal sites in the area where there are overlapping or dense fishery resources. This refers primarily to current Candidate Sites 1 and 5 and any future candidate sites in the area. Since other Candidate Sites don't have as much overlap of biological resources, it make sense to avoid this central "hot spot" altogether. Also, because the polygons depicting these sensitive areas were drawn subjectively and are probably not accurate in size and shape, we cannot be sure where the true boundaries lie. Therefore, the Corps should be conservative about using the space between and around the sensitive-resource polygons and not try to squeeze disposal sites in between polygons, as with Site 1.

Regarding Site 8: The exact position of the shale pile will need to be determined by a sediment survey. The location information I gave you is not based on survey data, that I am aware of. The location as I drew it puts the shale pile adjacent to Site 8. If after a survey it is determined that the shale pile is indeed this close to Site 8, then Site 8 should be moved to allow for an ample buffer zone around the Site to minimize migration of disposal material into the shale pile. Site 8 can be moved either south or west without concern, if need be.

I believe the Site Selection process would be more efficient if the Group knew what size area is needed for the amount of material expected over the 20 years the Sites will be used. Susan Rees mentioned that it is possible to calculate this, and you indicated that Rod Moritz would have this information soon. I think members of the Group might be more agreeable to Sites if we could reshape or resize them to fit the disposal needs, rather than condemning huge circles in the ocean to disposal (inspite of the fact that we will have a chance to comment again when they become "proposed sites").

I would like to receive the minutes from the August 19 & 20 meeting, hopefully in less time than previous meeting minutes. I would also like to receive the summary of the Groups' Site evaluations, when it is available. I think it would benefit Group members to review this prior to any future meeting.

Thank you for this opportunity to add comments on the process.

OREGON

Candidate Site 3
Candidate Disposal Locations
Requiring Information other than
Soft Shell Crab Impacts

WASHINGTON

Pete Jerry
P. J. Jerry

Zone of Siting Feasibility (ZSF)
for Proposed Channel Dredging
and U.M. impacts of MCH
(3 miles radius from NM 10)

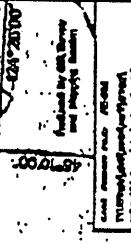
LEGEND

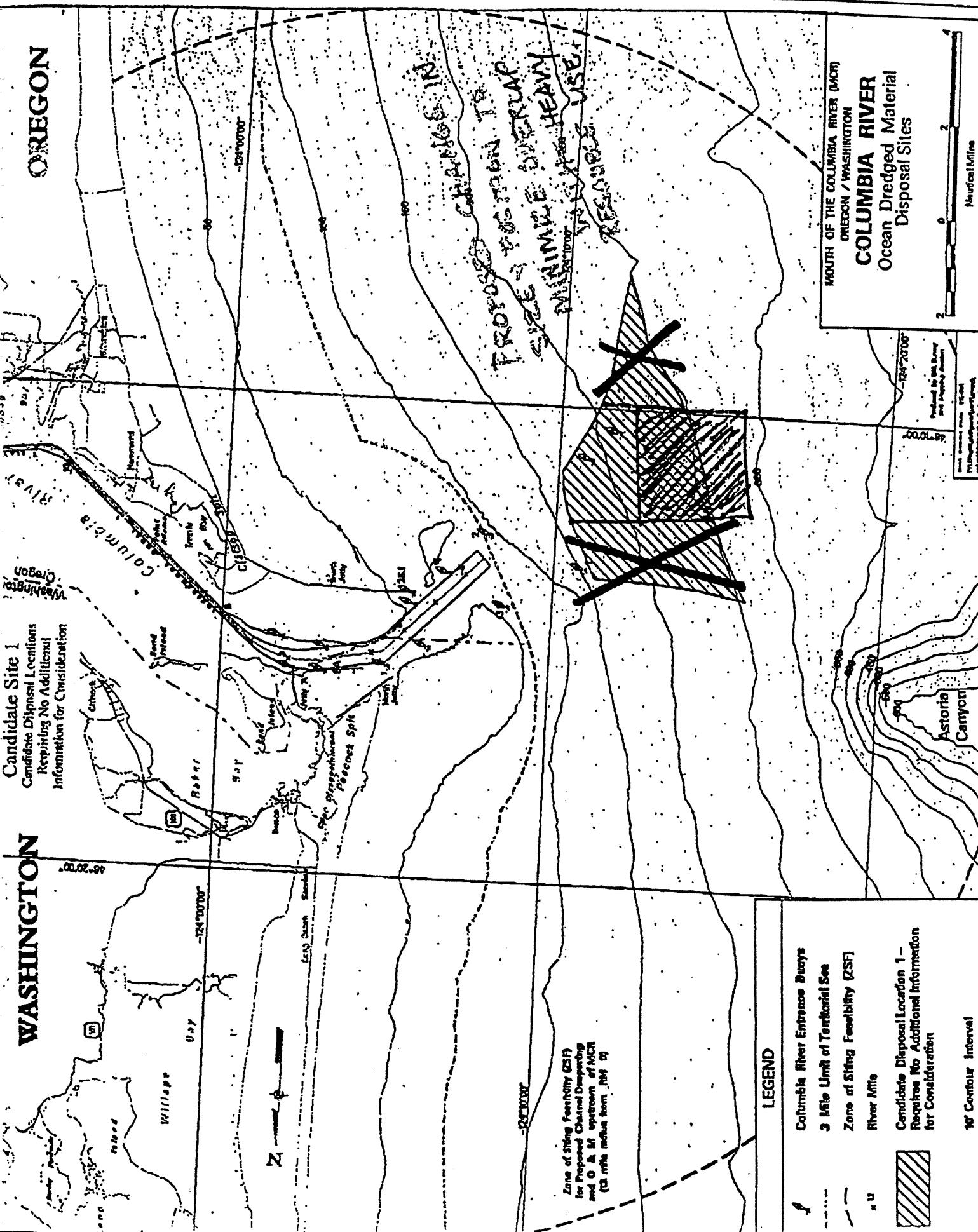
-  Columbia River Entrance Slope
-  3 Mile Limit of Territorial Seas
-  Zone of Siting Feasibility (ZSF)
-  River Mile
-  10 Contour Interval
-  Candidate Disposal Location 3 -
Requires Information other than
Soft Shell Crab Impacts

MOUTH OF THE COLUMBIA RIVER (MCR)
OREGON / WASHINGTON

COLUMBIA RIVER

Ocean Dredged Material
Disposal Sites





SUPPLEMENT:

STATE OF OR comments - FOR 8/19-20 discussion

Site 3 - Shale pile - We want to stress that we absolutely do not want this site used. It is a very unique rocky habitat in the middle of a bunch of sand. It can be rich with life, just not crab life. That's why crabbers say its a graveyard.

Dick Sheldon
 Organization Name: NORTHERN Fish & Oyster CO., Inc.
 Date: 8/20/98

**Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	<i>NEED MORE INFORMATION</i>	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X			Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X					1, 3, 8, 9	a
2. Physical Sediment Compatibility	X					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility						3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X					2, 8	a, b
7. Recreational Fisheries	X					2, 8	a, b
8. Breeding/Spawning Areas	X					2, 8	a, b
9. Nursery Areas	X					2, 8	a, b
10. Feeding Areas	X					2, 8	a, b
11. Migration Routes	X					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X				2, 8	a, b
13. Spatial Distribution of Benthos	X					2, 8, 10	a, b
14. Marine Mammals		X				2, 8	a, b
15. Mineral Deposits	X					1, 8	a, b, c
16. Navigation Hazard	X					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X					8	a, b, d
18. Degraded Areas	X					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X					4, 6, 9	a, b, d
20. Recreational Uses	X					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X					11	b
22. Physical Oceanography: Waves/Circulation	X					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X				1, 3, 6, 7	a, b, d
24. Monitoring		X				5	c
25. Shape/size of Candidate Site		X				1, 4, 7	d
26. Size of Buffer Zone		X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X					4, 7	c, d

Dick Sheldon
 Organization Name: NORTHERN FISH & OYSTER CO
 Date: 8/20/98

Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	RELEVANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility		X			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		X			2, 8	a, b
15. Mineral Deposits	X			BLACK SAND AREA	1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas		X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			MANY wrecks ON SITE	11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring		X			5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Northern Fish & Oyster Co
 Date: 8/20/98 Dick Sheldon

relocated Shale pile

**Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
						Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X					1, 6, 8, 11	a
2. Physical Sediment Compatibility	X					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X					2, 8	a, b
7. Recreational Fisheries		X				2, 8	a, b
8. Breeding/Spawning Areas	X					2, 8	a, b
9. Nursery Areas	X					2, 8	a, b
10. Feeding Areas	X					2, 8	a, b
11. Migration Routes		X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X				2, 8	a, b
13. Spatial Distribution of Benthos	X					2, 8, 10	a, b
14. Marine Mammals	X					2, 8	a, b
15. Mineral Deposits	X					1, 8	a, b, c
16. Navigation Hazard	X					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X					8	a, b, d
18. Degraded Areas		X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X					4, 6, 9	a, b, d
20. Recreational Uses		X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		X				11	b
22. Physical Oceanography: Waves/Circulation	X					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X				1, 3, 6, 7	a, b, d
24. Monitoring	X					5	c
25. Shape/size of Candidate Site		X				1, 4, 7	d
26. Size of Buffer Zone	X					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X					4, 7	c, d

Organization Name: Northern Fish + Oyster Co
 Date: 8/20/98 Dick Sheldon

404
Site
Combined old dump
Site N. of Bouey #9
AND

Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features		X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	-	X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		X	Reduce wave action		2, 8	a, b
7. Recreational Fisheries		X	Deepen area		2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard		X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring		X			5	c
25. Shape/size of Candidate Site		X			1, 4, 7	d
26. Size of Buffer Zone		X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects		X			4, 7	c, d

Organization Name: Northern Fish + Oyster Co
 Date: 8/20/98 Dick Sheldon

**Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X			WAY TOO BIG	1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes		X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		X			2, 8	a, b
15. Mineral Deposits		X			1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		X			4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring	X			WAY TOO BIG	5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Northern FSC & Oyster CO
 Date: 8/20/98 Dick Sheldon

Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			This PROPOSAL TIES	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X			with # 7 AS COM	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			PLENTY OPPOSITE TO	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X		W.D.F.'S PAST regulation	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			Theme for this AREA	2, 8	a, b
7. Recreational Fisheries		X		AND IS IDIOTIC AS	2, 8	a, b
8. Breeding/Spawning Areas	X			A W.D.F. PROPOSAL.	2, 8	a, b
9. Nursery Areas	X			This AREA AND # 7	2, 8	a, b
10. Feeding Areas	X			IS THE MOST HEAVILY	2, 8	a, b
11. Migration Routes		X		fished by the CRAB	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X		Fleet during the	2, 8	a, b
13. Spatial Distribution of Benthos	X			dumping time, on the	2, 8, 10	a, b
14. Marine Mammals		X		Entire West Coast.	2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard		X		I CAN'T believe THAT	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		X		W.D.F. representatives	8	a, b, d
18. Degraded Areas		X		Burke AND Berry	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		X		WOULD HAVE SO LITTLE	4, 6, 9	a, b, d
20. Recreational Uses	X			PROFESSIONAL INTEGRITY	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		X		AS TO HAVE THE QUTS	11	b
22. Physical Oceanography: Waves/Circulation	X			To present these Bull	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X		Shit PROPOSALS,	1, 3, 6, 7	a, b, d
24. Monitoring		X		Politics reign	5	c
25. Shape/size of Candidate Site	X			ETERNAL.	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Northern Fish & Oyster Co
Date: 8/20/98 Dick Sheldon

**Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS <i>Continued from Site # 6</i>	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X			These PROPOSAL Are the Most in Trusive To The Crab Fishing Areas	1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			OF ALL PROPOSALS	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X			presented to date.	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			NO ASSURANCE	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X		exists that ANY or most of the sands	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			deposited in these	2, 8	a, b
7. Recreational Fisheries	X	X		Site will find their	2, 8	a, b
8. Breeding/Spawning Areas	X			WAY IN SHORE AND	2, 8	a, b
9. Nursery Areas	X			ACT AS REPLENISHMENT	2, 8, 10	a, b
10. Feeding Areas	X			MATERIAL.	2, 8	a, b
11. Migration Routes		X		This is A Ploy to get	1, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X		The public off State	1, 8	a, b
13. Spatial Distribution of Benthos	X			official dom's back by	8	a, b, d
14. Marine Mammals		X		Appearing to be	4, 6, 7	a, b, d
15. Mineral Deposits	X			Problem Solving.	4, 6, 9	a, b, d
16. Navigation Hazard	X			prove it AND THE	2, 8, 11	a, b, c, d
17. Other uses of Ocean (cables, pipelines etc.)	X			Crab Fleet MAY Change	11	b
18. Degraded Areas	X			Their OPINION.	1, 3, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics	X			Till then the	1, 3, 6, 7	a, b, d
20. Recreational Uses	X			Fleet IS TOTALLY opposed.	5	c
21. Cultural/Historic Sites		X			1, 4, 7	d
22. Physical Oceanography: Waves/Circulation	X				2, 3, 4, 7, 11	b, d
23. Direction of Transport/Potential for Settlement	X				4, 7	c, d
24. Monitoring		X				
25. Shape/size of Candidate Site	X					
26. Size of Buffer Zone	X					
27. Potential for Cumulative Effects	X					

Organization Name: Northern Fish & Oyster Co
 Date: 8/2/98 Dick Sheldon

**Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	COMMENTS				REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE		
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		X			2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Dick Sheldon

Organization Name: Northern Fish & Oyster Co
Date: 8/20/98

**Candidate Site 9 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes		X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard		X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas		X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		X			4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		X			11	b
22. Physical Oceanography: Waves/Circulation		X			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site		X			1, 4, 7	d
26. Size of Buffer Zone		X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: IMNS
 Date: 3/21/03

**Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓			<i>like in like situation</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			<i>on / - depending occurs</i>	2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓			<i>some - spawning areas</i>	2, 8	a, b
9. Nursery Areas	✓				2, 8	a, b
10. Feeding Areas	✓				2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓			2, 8	a, b
13. Spatial Distribution of Benthos	✓				2, 8, 10	a, b
14. Marine Mammals		✓			2, 8	a, b
15. Mineral Deposits				<i>minerals</i>	1, 8	a, b, c
16. Navigation Hazard		✓			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				<i>cables, pipelines</i>	8	a, b, d
18. Degraded Areas				<i>degraded areas</i>	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation				<i>wave circulation</i>	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				<i>transport direction</i>	1, 3, 6, 7	a, b, d
24. Monitoring		✓			5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone		✓			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				<i>cumulative effects</i>	4, 7	c, d

Organization Name: *NPS*
 Date: *4/12/02*

**Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFICT ^{2/}	POTENTIAL CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓			<i>like on like</i>	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓			<i>over a lot</i>	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			<i>A certain area is important</i>	2, 8	a, b
7. Recreational Fisheries	✓			<i>for tourism</i>	2, 8	a, b
8. Breeding/Spawning Areas				<i>breeding</i>	2, 8	a, b
9. Nursery Areas				<i>nursery</i>	2, 8	a, b
10. Feeding Areas				<i>feeding</i>	2, 8	a, b
11. Migration Routes		✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓			2, 8	a, b
13. Spatial Distribution of Benthos	✓			<i>problem</i>	2, 8, 10	a, b
14. Marine Mammals	✓			<i>problem</i>	2, 8	a, b
15. Mineral Deposits				<i>mineral</i>	1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				<i>cables</i>	8	a, b, d
18. Degraded Areas	✓				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses				<i>recreational</i>	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		✓			11	b
22. Physical Oceanography: Waves/Circulation	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				<i>transport</i>	1, 3, 6, 7	a, b, d
24. Monitoring	✓				5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				<i>cumulative</i>	4, 7	c, d

Organization Name: NPS
 Date: 3/2/93

**Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	✓	✓	✓		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓			<i>In deep water area that has now been dredged</i>	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal				<i>past</i>	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓			<i>not known what's there</i>	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		✓			2, 8	a, b
7. Recreational Fisheries		✓			2, 8	a, b
8. Breeding/Spawning Areas	✓			<i>not known</i>	2, 8	a, b
9. Nursery Areas	✓			<i>not known</i>	2, 8	a, b
10. Feeding Areas	✓			<i>not known</i>	2, 8	a, b
11. Migration Routes	✓			<i>not known</i>	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓			2, 8	a, b
13. Spatial Distribution of Benthos	✓			<i>bottom channels</i>	2, 8, 10	a, b
14. Marine Mammals		✓			2, 8	a, b
15. Mineral Deposits		✓		<i>not known</i>	1, 8	a, b, c
16. Navigation Hazard		✓			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				<i>not known</i>	8	a, b, d
18. Degraded Areas				<i>Waves</i>	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		✓			4, 6, 9	a, b, d
20. Recreational Uses		✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		✓			11	b
22. Physical Oceanography: Waves/Circulation		✓			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓			1, 3, 6, 7	a, b, d
24. Monitoring		✓			5	c
25. Shape/size of Candidate Site				<i>not known</i>	1, 4, 7	d
26. Size of Buffer Zone				<i>not known</i>	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				<i>not known</i>	4, 7	c, d

Organization Name: NOAA
 Date: 12/2/07

N/A

**Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features					1, 6, 8, 11	a
2. Physical Sediment Compatibility					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries					2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species					2, 8	a, b
13. Spatial Distribution of Benthos					2, 8, 10	a, b
14. Marine Mammals					2, 8	a, b
15. Mineral Deposits					1, 8	a, b, c
16. Navigation Hazard					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites					11	b
22. Physical Oceanography: Waves/Circulation					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name:

Date:

NOVFS

3/2/98

**Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		✓			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution				Unknown	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas				Unknown	2, 8	a, b
9. Nursery Areas				Unknown	2, 8	a, b
10. Feeding Areas				Unknown	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓			2, 8	a, b
13. Spatial Distribution of Benthos	✓			Dependent on 1. factors	2, 8, 10	a, b
14. Marine Mammals		✓			2, 8	a, b
15. Mineral Deposits				Unknown	1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				Unknown	8	a, b, d
18. Degraded Areas				Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses				Unknown	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation				Unknown	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement					1, 3, 6, 7	a, b, d
24. Monitoring		✓			5	c
25. Shape/size of Candidate Site		✓			1, 4, 7	d
26. Size of Buffer Zone		✓			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				Unknown	4, 7	c, d

Organization Name: NMFS
 Date: 8/21/93

**Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFICT ^{2/}	2/	3/		Eleven Specific Factors (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓	✓			2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓			Clams?	2, 8	a, b
9. Nursery Areas				Unknown	2, 8	a, b
10. Feeding Areas	✓			Cathartes trut feeding areas	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓				2, 8	a, b
13. Spatial Distribution of Benthos	✓				2, 8, 10	a, b
14. Marine Mammals	✓				2, 8	a, b
15. Mineral Deposits	✓				1, 8	a, b, c
16. Navigation Hazard				Unknown	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓				8	a, b, d
18. Degraded Areas				Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation				Unknown	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				Unknown	1, 3, 6, 7	a, b, d
24. Monitoring	✓				5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				Unknown	4, 7	c, d

Organization Name: NMFS
 Date: 8/21/98

**Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFICT ^{2/}	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓			Ciams ? unKnown	2, 8	a, b
9. Nursery Areas					2, 8	a, b
10. Feeding Areas	✓			cathrant Port ?	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓				2, 8	a, b
13. Spatial Distribution of Benthos	✓				2, 8, 10	a, b
14. Marine Mammals	✓				2, 8	a, b
15. Mineral Deposits	✓				1, 8	a, b, c
16. Navigation Hazard				unKnown	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓				8	a, b, d
18. Degraded Areas				unKnown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation				unKnown	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				unKnown	1, 3, 6, 7	a, b, d
24. Monitoring	✓				5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				unKnown	4, 7	c, d

Organization Name: NMFS
 Date: 9/24/98

**Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓				2, 8	a, b
9. Nursery Areas	✓				2, 8	a, b
10. Feeding Areas	✓				2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓				2, 8	a, b
13. Spatial Distribution of Benthos				unknown	2, 8, 10	a, b
14. Marine Mammals	✓				2, 8	a, b
15. Mineral Deposits	✓				1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓				8	a, b, d
18. Degraded Areas	✓				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				Unknown	1, 3, 6, 7	a, b, d
24. Monitoring	✓				5	c
25. Shape/size of Candidate Site	✓			Enough?	1, 4, 7	d
26. Size of Buffer Zone	✓			enough?	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓			v	4, 7	c, d

Organization Name: NMFS
 Date: 8/21/03

Candidate Site 9 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				2, 8	a, b
7. Recreational Fisheries	✓				2, 8	a, b
8. Breeding/Spawning Areas	✓				2, 8	a, b
9. Nursery Areas	✓				2, 8	a, b
10. Feeding Areas	✓				2, 8	a, b
11. Migration Routes		✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓			2, 8	a, b
13. Spatial Distribution of Benthos	✓			maybe	2, 8, 10	a, b
14. Marine Mammals	✓				2, 8	a, b
15. Mineral Deposits	✓	✓			1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)				Unknown	8	a, b, d
18. Degraded Areas				Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓				11	b
22. Physical Oceanography: Waves/Circulation	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓				1, 3, 6, 7	a, b, d
24. Monitoring	✓			Make it harder	5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				Unknown	4, 7	c, d

Organization Name: NMFS
 Date: 8/21/98

**Candidate Site 10 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFlict ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)					
1. Unusual Topography/Unique Bottom Features	✓					1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓					3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution					Unknown	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓					2, 8	a, b
7. Recreational Fisheries	✓					2, 8	a, b
8. Breeding/Spawning Areas					Unknown	2, 8	a, b
9. Nursery Areas					Unknown	2, 8	a, b
10. Feeding Areas					Unknown	2, 8	a, b
11. Migration Routes	✓					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					2, 8	a, b
13. Spatial Distribution of Benthos	✓				Potential, if not like on site	2, 8, 10	a, b
14. Marine Mammals	✓					2, 8	a, b
15. Mineral Deposits					Unknown	1, 8	a, b, c
16. Navigation Hazard	✓					1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					Unknown	8	a, b, d
18. Degraded Areas					Unknown	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓					4, 6, 9	a, b, d
20. Recreational Uses					Unknown	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	✓					11	b
22. Physical Oceanography: Waves/Circulation	✓					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓					1, 3, 6, 7	a, b, d
24. Monitoring		✓				5	c
25. Shape/size of Candidate Site	✓					1, 4, 7	d
26. Size of Buffer Zone	✓					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					Unknown	4, 7	c, d

Organization Name:

Barry/Burke WDFW
8/27/98

Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	COMMENTS			RELEVANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFlict ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		
1. Unusual Topography/Unique Bottom Features	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X	X		5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X	X		2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X	X		2, 8	a, b
7. Recreational Fisheries	X	X		2, 8	a, b
8. Breeding/Spawning Areas <i>(e.g. Ledge II)</i>	X			2, 8	a, b
9. Nursery Areas	X			2, 8	a, b
10. Feeding Areas	X			2, 8	a, b
11. Migration Routes	X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X			2, 8	a, b
13. Spatial Distribution of Benthos	X			2, 8, 10	a, b
14. Marine Mammals	X			2, 8	a, b
15. Mineral Deposits	X			1, 8	a, b, c
16. Navigation Hazard	X	X		1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X			8	a, b, d
18. Degraded Areas	X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X			4, 6, 9	a, b, d
20. Recreational Uses	X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			11	b
22. Physical Oceanography: Waves/Circulation	X			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			1, 3, 6, 7	a, b, d
24. Monitoring	X			5	c
25. Shape/size of Candidate Site	X			1, 4, 7	d
26. Size of Buffer Zone	X	X		2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			4, 7	c, d

Organization Name:

Date:

Barry/Burke WDFW
8/27/98

Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)				
1. Unusual Topography/Unique Bottom Features	X	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X	X			3, 4, 9	a, c, d
3. Chemical Sediment Compatibility	X	X			3, 4, 7, 9	a, b, c, d
4. Influence of Part Disposal	X	X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X	X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X	X			2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			Monitoring NP Classify	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X	X			1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Site of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X	X			4, 7	c, d

Organization Name: Barry Bankle WDFW
Date: 8/24/98

**Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT ON BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS ^{3/} (40CFR 228.5)	RELEVANT SPECIFIC FACTORS ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			2, 8	a, b
7. Recreational Fisheries	X			2, 8	a, b
8. Breeding/Spawning Areas	X			2, 8	a, b
9. Nursery Areas	X			2, 8	a, b
10. Feeding Areas	X			2, 8	a, b
11. Migration Routes		X		2, 8	a, b
12. Critical Habitats of Threatened or Endangered Species		X		2, 8	a, b
13. Spatial Distribution of Benthos	X			2, 8, 10	a, b
14. Marine Mammals	X			2, 8	a, b
15. Mineral Deposits	X			1, 8	a, b, c
16. Navigation Hazard	X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X			8	a, b, d
18. Degraded Areas	X			4, 6, 7	a, b, c
19. Water Column Chem./Phys. Characteristics	X			4, 6, 9	a, b, d
20. Recreational Uses	X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			11	b
22. Physical Oceanography: Waves/Circulation	X			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			1, 3, 6, 7	a, b, d
24. Monitoring	X			5	c
25. Shape/size of Candidate Site	X			1, 4, 7	d
26. Size of Buffer Zone	X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			4, 7	c, d

Organization Name:

Date:

Barry, Burch WDFW8/24/98

**Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.5)	REVELANT SPECIFIC FACTORS ^{4/} (40CFR 228.5)
	CONFICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	X	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X	X			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X	X		Potential Rater claim ^{to} beach	2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes				Unknown	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Special Distribution of Bechor	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X	X		Enhance State Park beach	4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics	X			↓	4, 6, 9	a, b, d
20. Recreational Uses	X	X		↓	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X	X		Potential public use	11	b
22. Physical Oceanography: Waves/Circulation	X	X		Traction Annexation	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X	X			1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X			Capacity?	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X	X		Beach enhancement at erosion protection	4, 7	c, d

Organization Name:

Date:

Barry / Bumble WDFW
8/24/98

**Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas <i>(Candidate 1)</i>	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes		X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name:

Date:

Barry / Purple w/ FW

8/24/98

**Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	COMMENTS			RELEVANT SPECIFIC FACTORS Eleven Specific Factors ^{2/} (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFICT ^{3/}	POTENTIAL CONFLICT	BENEFICIAL USE		
1. Unusual Topography/Unique Bottom Features	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			2, 8	a, b
7. Recreational Fisheries	X			2, 8	a, b
8. Breeding/Spawning Areas <i>(so far all)</i>	X			2, 8	a, b
9. Nursery Areas	X			2, 8	a, b
10. Feeding Areas	X			2, 8	a, b
11. Migration Routes	X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X			2, 8	a, b
13. Spatial Distribution of Benthos	X			2, 8, 10	a, b
14. Marine Mammals	X			2, 8	a, b
15. Mineral Deposits	X			1, 8	a, b, c
16. Navigation Hazard	X			<i>If thin-layer deposit</i>	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X			8	a, b, d
18. Degraded Areas	X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X			4, 6, 9	a, b, d
20. Recreational Uses	X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			11	b
22. Physical Oceanography: Waves/Circulation	X	<i>OK with thin-layer</i>		1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X	X	<i>keeps sand in littoral</i>	1, 3, 6, 7	a, b, d
24. Monitoring	X			5	c
25. Shape/size of Candidate Site	X			1, 4, 7	d
26. Size of Buffer Zone	X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			4, 7	c, d

Organization Name: _____
Date: _____*Barry/Burke WDFW*
8/24/98

Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/} POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
					Eleven Specific Factors ^{3/} (40CFR 228.5)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas <i>(by shell)</i>	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			<i>If use thin layer disposal</i>	2, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				2, 8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X			<i>OK with thin layer</i>	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X	X		<i>OK with thin layer</i>	1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Barry / Barkle WDFW
Date: 8/24/98

Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	RELEVANT SPECIFIC FACTORS			RELEVANT SPECIFIC FACTORS	
	CONFFLICT POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE		
1. Unique Topography/Unique Bottom Features	X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			3, 4, 9	a, c, d
3. Chemical Sediment Compatibility	X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X	X		2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X	X		2, 8	a, b
7. Recreational Fisheries	X	X		2, 8	a, b
8. Breeding/Spawning Areas	X		Unknown	2, 8	a, b
9. Nursery Areas	X		II	2, 8	a, b
10. Feeding Areas	X		II	2, 8	a, b
11. Migration Routes	X		II	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X			2, 8	a, b
13. Spatial Distribution of Benthos	X			2, 8, 10	a, b
14. Marine Mammals	X			2, 8	a, b
15. Mineral Deposits	X			1, 8	a, b, c
16. Navigation Hazard	X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X			8	a, b, d
18. Degraded Areas	X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X			4, 6, 9	a, b, d
20. Recreational Uses	X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			II	b
22. Physical Oceanography: Waves/Circulation	X			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			1, 3, 6, 7	a, b, d
24. Monitoring	X			5	c
25. Shape/size of Candidate Site	X			1, 4, 7	d
26. Size of Buffer Zone	X	X	No buffer zone	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			4, 7	c, d

Organization Name: Barry/Burke WDFW
 Date: 8/24/98

Astoria Canyon

Candidate Site 9

Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/}	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitats of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard		X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Barry/Burke WDFW
 Date: 8/24/98

Site F (appendix)

Candidate Site 10 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	RELEVANT SPECIFIC FACTORS (Eleven Specific Factors ^{3/} (40CFR 228.6))	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features		X			1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas		X			2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes		X			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		X			2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			Wave Amplification	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas		X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		X			11	b
22. Physical Oceanography: Waves/Circulation			X	Wave Amplification	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring		X			5	c
25. Shape/size of Candidate Site		X			1, 4, 7	d
26. Size of Buffer Zone		X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: USFWS
 Date: 8/20/98

**Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS	REVE SPEC FACT
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X			may be near shale pile	1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			Crab fishing Grouper fishing	2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas		X			2, 8	a, b
9. Nursery Areas	X			JUVENILE fish	2, 8	a, b
10. Feeding Areas					2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)					8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring	X			May be difficult to monitor	5	c
25. Shape/size of Candidate Site		X		Small area	1, 4, 7	d
26. Size of Buffer Zone		X		small area	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: USFWS
 Date: 8/20/98

**Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X			Shipwrecks close by	11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring	X			May be difficult to monitor ⁵		c
25. Shape/size of Candidate Site	X			May be limited in capacity ⁶	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

Organization Name: VSFUS
 Date: 8/24/98

**Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors^{3/} (40CFR 228.6)	REVE SPEC FACT 5 Gei Crite (40C 228)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			not like or like	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution		X			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			Habitat & species	2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas	X			spawning	2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X			Not like or like	2, 8, 10	a, b
14. Marine Mammals		X			2, 8	a, b
15. Mineral Deposits		X			1, 8	a, b, c
16. Navigation Hazard	X			In tow boat lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		X			8	a, b, d
18. Degraded Areas		X			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics		X			4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		X			11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X		loss of sand to littoral zone	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site			X	Small site	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: USFWS
 Date: 8/24/92

**Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			IF placed in shore protection	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas		X		Beach nourishment	4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses		X			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			Don't know	1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects		X			4, 7	c, d

Organization Name: USFWS
 Date: 8/24/98

Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			crab fishing	2, 8	a, b
7. Recreational Fisheries	X			salmon fishing	2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X			lumpfish, soft-shell crab	2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X			certain areas show high productivity	2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics					4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			May NOT preclude entry to benthic zone	1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X			very large site	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			soft site, critical area	4, 7	c, d

Organization Name: USFWS
 Date: 8/24/98

Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			Not all "like on like" sediments	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			crab fishery	2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas	X			crabs ?	2, 8	a, b
10. Feeding Areas	X			crabs ?	2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X		possible nearshore transport zone	1, 3, 6, 7	a, b, d
24. Monitoring	X			May be difficult to monitor because high energy site	5	c
25. Shape/size of Candidate Site	X			May be difficult to maneuver dredge in mud resources	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: USFWS
 Date: 8/24/98

Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}				Eleven Specific ^{3/} Factors (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			not off "like on like" sediments	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			Crab fishery)	2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas					2, 8	a, b
9. Nursery Areas	X			crabs?	2, 8	a, b
10. Feeding Areas	X			crabs?	2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring	X			may be difficult to monitor because high energy site	5	c
25. Shape/size of Candidate Site	X			may be difficult to maneuver dredge to avoid resources	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: USFWS
 Date: 8/24/98

Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X				Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X			may overlap with shale pile site - unique bottom features not like on site	1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			some groundfishing within site	2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X			may be impact to benthos from disposal of unlike sediments	2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			some concern re: tow boat lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X			may be difficult to monitor - in deep water	5	c
25. Shape/size of Candidate Site		X		small size	1, 4, 7	d
26. Size of Buffer Zone		X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			site may not be dispersive	4, 7	c, d

Organization Name:

USFWS

Date:

8/24/98

Canyon site
Candidate Site 9 - Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVEI SPEC FACT 5 Ger Crite ^{4/} (40C 228)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X			unusual topography - canyon walls provide structure	1, 6, 8, 11	a
2. Physical Sediment Compatibility	X			risk of sand slides	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			never been disposed on before	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			groundfishery	2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X			don't know	2, 8	a, b
15. Mineral Deposits		X			1, 8	a, b, c
16. Navigation Hazard	X			In tow boat lanes	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X			don't know	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring	X			would be difficult to monitor	5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: USFWS
 Date: 8/24/98

Expanded Site F
Candidate Site 10 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X			groundfishery (soft-shell crabs)	2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X			for juvenile salmon	2, 8	a, b
10. Feeding Areas	X			" " "	2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits	X				1, 8	a, b, c
16. Navigation Hazard	X			possible mounding	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X			loss of sand to littoral system	1, 3, 6, 7	a, b, d
24. Monitoring					5	c
25. Shape/size of Candidate Site	X			limited site capacity	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X			don't know	4, 7	c, d

1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NEEDED	COMMENTS	REVELANT SPECIFIC FACTORS	REVE SPE FAC ^{3/}
							(40CFR 228.6)	5 Ge Crit
1. Unusual Topography/Unique Bottom Features	✓					depends on placement	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓					like on like?	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				✓			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓				overlap F & B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution				✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓						2, 8	a, b
7. Recreational Fisheries		✓					2, 8	a, b
8. Breeding/Spawning Areas	✓						2, 8	a, b
9. Nursery Areas	✓						2, 8	a, b
10. Feeding Areas	✓						2, 8	a, b
11. Migration Routes				✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					salmon fishing area	2, 8	a, b
13. Spatial Distribution of Benthos			✓				2, 8, 10	a, b
14. Marine Mammals			✓				2, 8	a, b
15. Mineral Deposits			✓				1, 8	a, b, c
16. Navigation Hazard	✓					towboat lane	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓				8	a, b, d
18. Degraded Areas			✓				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓				4, 6, 9	a, b, d
20. Recreational Uses			✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓				11	b
22. Physical Oceanography: Waves/Circulation	✓					mounding	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				✓			1, 3, 6, 7	a, b, d
24. Monitoring	✓					infratent zone	5	c
25. Shape/size of Candidate Site				✓			1, 4, 7	d
26. Size of Buffer Zone				✓			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				✓			4, 7	c, d

**2 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION ^{3/} NEEDED	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	✓						Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓					depends on location like on river	1, 6, 8, 11	a
2. Physical Sediment Compatibility		✓					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility			✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓				adjacent to E.	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓						2, 8	a, b
7. Recreational Fisheries	✓						2, 8	a, b
8. Breeding/Spawning Areas			✓			additional	2, 8	a, b
9. Nursery Areas			✓			research required	2, 8	a, b
10. Feeding Areas			✓				2, 8	a, b
11. Migration Routes			✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					salmon fishing	2, 8	a, b
13. Spatial Distribution of Benthos			✓				2, 8, 10	a, b
14. Marine Mammals			✓				2, 8	a, b
15. Mineral Deposits			✓				1, 8	a, b, c
16. Navigation Hazard	✓						1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓				8	a, b, d
18. Degraded Areas			✓				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓				4, 6, 9	a, b, d
20. Recreational Uses			✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓				11	b
22. Physical Oceanography: Waves/Circulation		✓				littoral system	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓					1, 3, 6, 7	a, b, d
24. Monitoring	✓						5	c
25. Shape/size of Candidate Site		✓				smaller area	1, 4, 7	d
26. Size of Buffer Zone	✓					existing area	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				✓			4, 7	c, d

**3 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NEEDED	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	CONFLICT ^{2/}					Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				unique	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				not like on site	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				✓		3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal						5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓					2, 8	a, b
7. Recreational Fisheries						2, 8	a, b
8. Breeding/Spawning Areas	✓				halibut	2, 8	a, b
9. Nursery Areas	✓				..	2, 8	a, b
10. Feeding Areas	✓				..	2, 8	a, b
11. Migration Routes				✓		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					2, 8	a, b
13. Spatial Distribution of Benthos	✓					2, 8, 10	a, b
14. Marine Mammals			✓			2, 8	a, b
15. Mineral Deposits			✓			1, 8	a, b, c
16. Navigation Hazard		✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓			8	a, b, d
18. Degraded Areas			✓			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓			4, 6, 9	a, b, d
20. Recreational Uses			✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓			11	b
22. Physical Oceanography: Waves/Circulation		✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				✓		1, 3, 6, 7	a, b, d
24. Monitoring		✓			depth	5	c
25. Shape/size of Candidate Site						1, 4, 7	d
26. Size of Buffer Zone						2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects						4, 7	c, d

404 site

- additional information required
 (cost & location)

4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}					COMMENTS	REVELANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION AS NEEDED				
1. Unusual Topography/Unique Bottom Features							1, 6, 8, 11	a
2. Physical Sediment Compatibility							3, 4, 9	b, c, d
3. Chemical Sediment Compatibility							3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal							5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution							2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries							2, 8	a, b
7. Recreational Fisheries							2, 8	a, b
8. Breeding/Spawning Areas							2, 8	a, b
9. Nursery Areas							2, 8	a, b
10. Feeding Areas							2, 8	a, b
11. Migration Routes							2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species							2, 8	a, b
13. Spatial Distribution of Benthos							2, 8, 10	a, b
14. Marine Mammals							2, 8	a, b
15. Mineral Deposits							1, 8	a, b, c
16. Navigation Hazard							1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)							8	a, b, d
18. Degraded Areas							4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics							4, 6, 9	a, b, d
20. Recreational Uses							2, 8, 11	a, b, c, d
21. Cultural/Historic Sites							11	b
22. Physical Oceanography: Waves/Circulation							1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement							1, 3, 6, 7	a, b, d
24. Monitoring			✓	on beach			5	c
25. Shape/size of Candidate Site							1, 4, 7	d
26. Size of Buffer Zone							2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects							4, 7	c, d

beach nourishment - Benson Beach

- no further comment required to be added

5 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/} POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NEEDED ^{3/}	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
1. Unusual Topography/Unique Bottom Features			✓			1, 6, 8, 11	a
2. Physical Sediment Compatibility		✓			appears to be like rock	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility						3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		↓			includes F.	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓					2, 8	a, b
7. Recreational Fisheries	✓				salmon fish	2, 8	a, b
8. Breeding/Spawning Areas	✓				salmon area	2, 8	a, b
9. Nursery Areas	✓					2, 8	a, b
10. Feeding Areas	✓					2, 8	a, b
11. Migration Routes			✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓				salmon habitat	2, 8	a, b
13. Spatial Distribution of Benthos	✓		✓		site includes fish	2, 8, 10	a, b
14. Marine Mammals			✓		benthos	2, 8	a, b
15. Mineral Deposits			✓			1, 8	a, b, c
16. Navigation Hazard	✓				tugboat	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓			8	a, b, d
18. Degraded Areas			✓			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓			4, 6, 9	a, b, d
20. Recreational Uses			✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓			11	b
22. Physical Oceanography: Waves/Circulation		✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement			✓			1, 3, 6, 7	a, b, d
24. Monitoring			✓			5	c
25. Shape/size of Candidate Site	✓				very large	1, 4, 7	d
26. Size of Buffer Zone	✓					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects			✓			4, 7	c, d

This site is reduced and moves south
 impacts on resources could be reduced

6 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NEEDED	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	✓	✓	✓	✓		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features			✓			1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				not completely written	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility			✓			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				B, E, F	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				major impact on	2, 8	a, b
7. Recreational Fisheries	✓				nothing	2, 8	a, b
8. Breeding/Spawning Areas	✓					2, 8	a, b
9. Nursery Areas	✓					2, 8	a, b
10. Feeding Areas	✓					2, 8	a, b
11. Migration Routes			✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					2, 8	a, b
13. Spatial Distribution of Benthos		✓				2, 8, 10	a, b
14. Marine Mammals			✓			2, 8	a, b
15. Mineral Deposits			✓			1, 8	a, b, c
16. Navigation Hazard			✓			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓			8	a, b, d
18. Degraded Areas			✓			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓			4, 6, 9	a, b, d
20. Recreational Uses			✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓			11	b
22. Physical Oceanography: Waves/Circulation		✓			potential inundation	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement			✓		area	1, 3, 6, 7	a, b, d
24. Monitoring	✓					5	c
25. Shape/size of Candidate Site	✓				large area	1, 4, 7	d
26. Size of Buffer Zone	✓					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					area along slaloming area	4, 7	c, d

8 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NEEDED	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPEC FACT
	CONFLICT ^{2/}					Eleven Specific Factors ^{3/} (40CFR 228.6)	5 Gen Crite (40C 228
1. Unusual Topography/Unique Bottom Features				✓		1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				som not like on like	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility				✓		3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓					2, 8	a, b
7. Recreational Fisheries	✓					2, 8	a, b
8. Breeding/Spawning Areas	✓					2, 8	a, b
9. Nursery Areas	✓					2, 8	a, b
10. Feeding Areas	✓					2, 8	a, b
11. Migration Routes				✓		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓				2, 8	a, b
13. Spatial Distribution of Benthos		✓				2, 8, 10	a, b
14. Marine Mammals			✓			2, 8	a, b
15. Mineral Deposits			✓			1, 8	a, b, c
16. Navigation Hazard	✓				at shallows	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)						8	a, b, d
18. Degraded Areas			✓			4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics			✓			4, 6, 9	a, b, d
20. Recreational Uses			✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓			11	b
22. Physical Oceanography: Waves/Circulation				✓ deep		1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓				deep outside littoral system	1, 3, 6, 7	a, b, d
24. Monitoring	✓				depth	5	c
25. Shape/size of Candidate Site			✓			1, 4, 7	d
26. Size of Buffer Zone			✓			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects				✓ outside of other sites		4, 7	c, d

9 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION NOTED	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
1. Unusual Topography/Unique Bottom Features	✓						1, 6, 8, 11	a
2. Physical Sediment Compatibility			✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility			✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal			✓				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries			✓				2, 8	a, b
7. Recreational Fisheries			✓				2, 8	a, b
8. Breeding/Spawning Areas			✓				2, 8	a, b
9. Nursery Areas			✓				2, 8	a, b
10. Feeding Areas			✓				2, 8	a, b
11. Migration Routes			✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species			✓				2, 8	a, b
13. Spatial Distribution of Benthos			✓				2, 8, 10	a, b
14. Marine Mammals			✓				2, 8	a, b
15. Mineral Deposits			✓				1, 8	a, b, c
16. Navigation Hazard	✓					Towboat lane	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓				8	a, b, d
18. Degraded Areas			✓				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓				4, 6, 9	a, b, d
20. Recreational Uses			✓				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓				11	b
22. Physical Oceanography: Waves/Circulation			✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement				✓			1, 3, 6, 7	a, b, d
24. Monitoring							5	c
25. Shape/size of Candidate Site	✓			deep			1, 4, 7	d
26. Size of Buffer Zone			✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects			✓				4, 7	c, d

along slide
not a research site

coarse with 150 mm
sand (mud sand)

*explainatory
Site F*

10 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	ADDITIONAL INFORMATION ^{3/}	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
						Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features				✓		1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				not like on like	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility			✓			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				previously used	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓					2, 8	a, b
7. Recreational Fisheries	✓					2, 8	a, b
8. Breeding/Spawning Areas			✓			2, 8	a, b
9. Nursery Areas			✓			2, 8	a, b
10. Feeding Areas			✓			2, 8	a, b
11. Migration Routes			✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	✓					2, 8	a, b
13. Spatial Distribution of Benthos	✓					2, 8, 10	a, b
14. Marine Mammals			✓			2, 8	a, b
15. Mineral Deposits			✓			1, 8	a, b, c
16. Navigation Hazard	✓			deep draft		1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			✓			8	a, b, d
18. Degraded Areas			✓			4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics			✓			4, 6, 9	a, b, d
20. Recreational Uses			✓			2, 8, 11	a, b, c, d
21. Cultural/Historic Sites			✓			11	b
22. Physical Oceanography: Waves/Circulation			✓			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement			✓			1, 3, 6, 7	a, b, d
24. Monitoring		✓				5	c
25. Shape/size of Candidate Site	✓					1, 4, 7	d
26. Size of Buffer Zone	✓					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects			✓			4, 7	c, d

TO: LAURA HICKS
KIM LARSONOrganization Name: PUBLIC
Date: 8-21-98E BEASLEY

PLEASE LET ME
KNOW THESE WERE
RECEIVED
Crabby@clone.com
300-642-3742

Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

SKIRT

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION CONFLICT ^{2/}				COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓					1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				VERY FINE SAND	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				CONCERN WITH UP RIVER SED.	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓			OVERLAPS F + EXP B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution						2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				CRAB, GROUNDFISH, SALMON	2, 8	a, b
7. Recreational Fisheries		✓			SALMON, OTHER	2, 8	a, b
8. Breeding/Spawning Areas /SOFT-SHELL	✓				CRAB, GROUNDFISH, SALMON, OTHER	2, 8	a, b
9. Nursery Areas		✓			CRAB, GROUNDFISH, SALMON, OTHER	2, 8	a, b
10. Feeding Areas		✓			CRAB, GROUNDFISH, SALMON, OTHER	2, 8	a, b
11. Migration Routes	✓					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species /EFH	✓				EFH	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓				HIGH PRODUCTIVITY, LARGE AREA	2, 8	a, b
14. Marine Mammals		✓				1, 8	a, b, c
15. Mineral Deposits	✓					1, 8	a, b, d
16. Navigation Hazard	✓	✓				8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓	✓			BAR PILOTS	4, 6, 7	a, b, d
18. Degraded Areas			✓			4, 6, 9	a, b, d
19. Water Column Chem/Phys. Characteristics	✓					2, 8, 11	a, b, c, d
20. Recreational Uses			✓			11	b
21. Cultural/Historic Sites			✓			1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement			✓			5	c
24. Monitoring			✓			1, 4, 7	d
25. Shape/size of Candidate Site	✓				IMPACTS TOO MUCH HABITAT	2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone		✓				4, 7	c, d
27. Potential for Cumulative Effects		✓			ALTER HABITAT LOWER PRODUCTIVITY		

MITIGATIONRFA - REGULATORY FLEXIBILITY ANALYSIS - SOCIO/ECONOMIC ISSUES

Organization Name:
Date:

PUBLIC E BEASLEY

8-21-98

**Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

EXPANDED E

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION ^{2/}				COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} Eleven Specific Factors ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	✓					1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				VERY FINE GRAIN	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				CONCERN WITH UP RIVER SED	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓			SEDIMENT TRANSPORT FROM E	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				CRAB	2, 8	a, b
7. Recreational Fisheries		✓				2, 8	a, b
8. Breeding/Spawning Areas SOFT-SHELL	✓				CRAB	2, 8	a, b
9. Nursery Areas	✓				CRAB	2, 8	a, b
10. Feeding Areas	✓				CRAB	2, 8	a, b
11. Migration Routes	✓	✓			CRAB	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species EFH	✓				CRAB SALMON CLOSURE AREA	2, 8	a, b
13. Spatial Distribution of Benthos		✓				2, 8, 10	a, b
14. Marine Mammals			✓			2, 8	a, b
15. Mineral Deposits	✓					1, 8	a, b, c
16. Navigation Hazard	✓	✓			NEED DATA BUOY INFO EXTREMELY HIGH POTENTIAL	1, 8 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)						4, 6, 7	a, b, d
18. Degraded Areas						4, 6, 9	a, b, d
19. Water Column Chem/Phys. Characteristics	✓					2, 8, 11	a, b, c, d
20. Recreational Uses		✓				11	b
21. Cultural/Historic Sites	✓					1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓				WAVE AMPLIFICATION, MOUNDING INTO HEAVY CRABBING AREA	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓	✓			RESULTING IN STUCK GEAR + POSSIBLE WAVE AMPLIFICATION - SOCIO/ECONOMIC		
24. Monitoring			✓		MOUNDING, SOFT-SHELLS, (WAVE AMPLIFICATION)	1, 4, 7 5	c
25. Shape/size of Candidate Site		✓			NOT ADEQUATE SIZE - MOUNDING POTENTIAL	1, 4, 7 2, 3, 4, 7, 11	d
26. Size of Buffer Zone	✓				INTERFERENCE WITH CRAB + CRABBING	4, 7	b, d
27. Potential for Cumulative Effects		✓					c, d

SOCIO/ECONOMIC ISSUES - RFA REGULATORY FLEXIBILITY ANALYSIS

MITIGATION

CONCURRENCE WITH PACIFIC COUNTY SHORELINE MASTER PLAN - PERMIT

Organization Name:
Date:PUBLIC
E BEASLEY
8-21-98

Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

SHALE

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
						Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	✓				SHALE BOTTOM (NOT SHALE PILE WHICH IS FURTHER SOUTH)	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				SHALE BOTTOM	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓					5, 7, 9, 10	a, b, d
4. Influence of Past Disposal		✓				2, 3, 6, 8, 11	a, b, d
5. Living Resources of Limited Distribution	✓					2, 8	a, b
6. Commercial Fisheries		✓				2, 8	a, b
7. Recreational Fisheries		✓				2, 8	a, b
8. Breeding/Spawning Areas /SOFT-SHELL	✓					2, 8	a, b
9. Nursery Areas		✓				2, 8	a, b
10. Feeding Areas		✓				2, 8	a, b
11. Migration Routes						2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓				2, 8, 10	a, b
13. Spatial Distribution of Benthos		✓				2, 8	a, b
14. Marine Mammals		✓				1, 8	a, b, c
15. Mineral Deposits	✓					1, 8	a, b, d
16. Navigation Hazard		✓				8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓					4, 6, 7	a, b, d
18. Degraded Areas						4, 6, 9	a, b, d
19. Water Column Chem/Phys. Characteristics	✓					2, 8, 11	a, b, c, d
20. Recreational Uses		✓				11	b
21. Cultural/Historic Sites		✓				1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation		✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓					5	c
24. Monitoring		✓				1, 4, 7	d
25. Shape/size of Candidate Site		✓				2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone		✓				4, 7	c, d
27. Potential for Cumulative Effects		✓					

Organization Name: PUBLIC E BEASLEY
 Date: 8-21-98

Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

BENSON BEACH

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELA SPECIF FACTO
	CONFLICT ^{2/}					Eleven Specific Factors ^{3/} (40CFR 228.6)	5 Gene Criteria (40CF 228.5)
1. Unusual Topography/Unique Bottom Features		✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓					3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				CONCERN WITH UPRIVER SEDIMENTS	3, 4, 7, 9 5, 7, 9, 10	a, b, c, d
4. Influence of Past Disposal		✓					
5. Living Resources of Limited Distribution	✓					2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		✓			CRAB (SMALL AREA)	2, 8	a, b
7. Recreational Fisheries		✓			SPORT FISHING - JETTY	2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL	✓				CRAB (SMALL AREA)	2, 8	a, b
9. Nursery Areas		✓			CRAB (SMALL AREA)	2, 8	a, b
10. Feeding Areas		✓			CRAB (SMALL AREA)	2, 8	a, b
11. Migration Routes		✓			CRAB (SMALL AREA)	2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		✓				2, 8, 10	a, b
13. Spatial Distribution of Benthos		✓				2, 8	a, b
14. Marine Mammals		✓				1, 8	a, b, c
15. Mineral Deposits	✓					1, 8	a, b, d
16. Navigation Hazard	✓				LITTORAL DRIFT DATA NEEDED	8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓	✓				4, 6, 7	a, b, d
18. Degraded Areas			✓			4, 6, 9	a, b, d
19. Water Column Chem./Phys. Characteristics		✓				2, 8, 11	a, b, c, d
20. Recreational Uses		✓			SPORT FISHING	11	b
21. Cultural/Historic Sites		✓				1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓					1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓				5	c
24. Monitoring		✓			CLOSE MONITORING OF PEACOCK SPIT	1, 4, 7	d
25. Shape/size of Candidate Site						2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone						4, 7	c, d
27. Potential for Cumulative Effects	✓						

LITTORAL DRIFT DATA NEEDED
 PACIFIC COUNTY PERMIT

Organization Name: Public E BEASLEY
 Date: 8-21-98

Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

RICK VININS

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION				COMMENTS	RELEVANT SPECIFIC FACTORS (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓					1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				MOST VERY FINE GRAIN CONCERN WITH UP RIVER SEDIMENTS	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓	✓			CONCERN WITH UP RIVER SEDIMENTS	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓				SITE F MOUNDING - LIMITED CAPACITY	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				CRAB, GROUND FISH, MIDWATER SALMON	2, 8	a, b
7. Recreational Fisheries		✓			SALMON, HALIBUT, OTHER	2, 8	a, b
8. Breeding/Spawning Areas / SOFT SHELL	✓	✓			JUVENILE FLATFISH, SOFT SHELL CRAB	2, 8	a, b
9. Nursery Areas	✓	✓			JUVENILE FLATFISH, SOFT SHELL CRAB	2, 8	a, b
10. Feeding Areas	✓	✓				2, 8	a, b
11. Migration Routes	✓	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species <i>ESSENTIAL FISH HABITAT EFH</i>	✓				EFH	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓				MOSTLY HIGH BENTHIC PRODUCTIVITY	2, 8	a, b
14. Marine Mammals		✓				1, 8	a, b, c
15. Mineral Deposits	✓					1, 8	a, b, d
16. Navigation Hazard	✓				MOUNDING, TOO SHALLOW / INHIBIT DISPERSING AS IN A+F	8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓					4, 6, 7	a, b, d
18. Degraded Areas						4, 6, 9	a, b, d
19. Water Column Chem./Phys. Characteristics	✓					2, 8, 11	a, b, c, d
20. Recreational Uses		✓			SALMON, HALIBUT, OTHER	11	b
21. Cultural/Historic Sites		✓				1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓	✓				5	c
24. Monitoring		✓			TOO LARGE - ALTERS HABITAT	1, 4, 7	d
25. Shape/size of Candidate Site	✓				TOO LARGE - ALTERS HABITAT	2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone	✓				TOO LARGE - ALTERS HABITAT	4, 7	c, d
27. Potential for Cumulative Effects							

NEED BASELINE DATA ON CRAB + FISH (BREEDING, NURSERY, FEEDING, ETC)

MITIGATION

RFA - REGULATORY FLEXIBILITY ANALYSIS

Organization Name:
Date:PUBLIC
E BEASLEY
8-21-98

Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

STEVE BARRY

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓			INCORPORATES MUDHOLE	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓			SILT AREA, VERY FINE SAND	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓	✓		CONCERN WITH UPSTREAM SEDIMENTATION	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓		SITE A, B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓		CLAMS	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			MAJOR INTERFERENCE - CRAB, GROUNDFISH	2, 8	a, b
7. Recreational Fisheries	✓			SALMON CLOSURE AREA	2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL	✓			SALMON CLOSURE AREA, CRAB	2, 8	a, b
9. Nursery Areas	✓			SALMON CLOSURE AREA, CRAB	2, 8	a, b
10. Feeding Areas	✓			SALMON CLOSURE AREA, CRAB	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species ESSENTIAL FISH HABITAT EFH	✓			EFH	2, 8	a, b
13. Spatial Distribution of Benthos	✓			HIGH BENTHIC PRODUCTIVITY	2, 8, 10	a, b
14. Marine Mammals		✓			2, 8	a, b
15. Mineral Deposits	✓				1, 8	a, b, c
16. Navigation Hazard	✓				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓				8	a, b, d
18. Degraded Areas	✓				4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses					2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		✓			11	b
22. Physical Oceanography: Waves/Circulation	✓	✓			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓			MIGRATION TO MUDHOLE MAY CAUSE CRAB GATE	1, 3, 6, 7	a, b, d
24. Monitoring	✓			TOO SHALLOW	5	c
25. Shape/size of Candidate Site	✓				1, 4, 7	d
26. Size of Buffer Zone	✓				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	✓				4, 7	c, d

MITIGATION

RFA - REGULATORY FLEXIBILITY ANALYSIS - SOCIO/ECONOMIC IMPACTS
LITTORAL DRIFT DATA NEEDED
DRAFT - ANNUAL REPORT

Organization Name:
Date:PUBLIC E BEASLEY
8-21-98

Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act

Bob BURKE

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION ^{2/}				COMMENTS	REVELANT SPECIFIC FACTORS ^{3/} (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE				
1. Unusual Topography/Unique Bottom Features	✓				INCORPORATES MUDHOLE	1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				SILT AREA, VERY FINE SAND	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓	✓			CARCERN WITH UPSTREAM SEDIMENTS	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		✓			SITE A, B	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓			CLAMS	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓				MAJOR INTERFERENCE - CROPS, GROUND FISH	2, 8	a, b
7. Recreational Fisheries		✓			SALMON CLOSURE AREA	2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL	✓				SALMON CLOSURE AREA	2, 8	a, b
9. Nursery Areas	✓				SALMON CLOSURE AREA	2, 8	a, b
10. Feeding Areas	✓				SALMON CLOSURE AREA	2, 8	a, b
11. Migration Routes	✓					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species EFH	✓				EFH	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓				HIGH BENTHIC PRODUCTIVITY	2, 8	a, b
14. Marine Mammals		✓				1, 8	a, b, c
15. Mineral Deposits	✓					1, 8	a, b, d
16. Navigation Hazard	✓					8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓					4, 6, 7	a, b, d
18. Degraded Areas	✓					4, 6, 9	a, b, d
19. Water Column Chem/Phys. Characteristics	✓					2, 8, 11	a, b, c, d
20. Recreational Uses						11	b
21. Cultural/Historic Sites		✓				1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓	✓			- MIGRATION TO MUDHOLE	1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		✓			- MAY CAUSE STUCK CRAB SEAR	5	c
24. Monitoring	✓				TOO SHALLOW	1, 4, 7	d
25. Shape/size of Candidate Site	✓					2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone	✓					4, 7	c, d
27. Potential for Cumulative Effects	✓						

MITIGATION

RFA

LITTORAL DRIFT DATA

PACIFIC COUNTY PERMIT

Organization Name: _____
 Date: _____

**Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

CRCFA

AREA OF CONSIDERATION ^{1/}	MATERIAL INFORMATION ²⁾			COMMENTS	RELEVANT SPECIFIC FACTORS (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓			1/2 FINE, 1/2 VERY FINE (Small area)	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		✓			2, 8	a, b
7. Recreational Fisheries		✓			2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL	✓				2, 8	a, b
9. Nursery Areas	✓			SMALL AREA	2, 8	a, b
10. Feeding Areas	✓			"	2, 8	a, b
11. Migration Routes	✓				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species EFH	✓			SMALL AREA	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓			LOWER BENTHIC PRODUCTIVITY	2, 8	a, b
14. Marine Mammals	✓				1, 8	a, b, c
15. Mineral Deposits	✓				1, 8	a, b, d
16. Navigation Hazard		✓			8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓				4, 6, 7	a, b, d
18. Degraded Areas					4, 6, 9	a, b, d
19. Water Column Chem/Phys. Characteristics	✓				2, 8, 11	a, b, c, d
20. Recreational Use		✓			11	b
21. Cultural/Historic Sites		✓			1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation		✓			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓				5	c
24. Monitoring		✓			1, 4, 7	d
25. Shape/size of Candidate Site		✓		COULD EXPAND WEST OR SOUTH	2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone		✓			4, 7	c, d
27. Potential for Cumulative Effects		✓				

Organization Name: PUBLIC - E BEASLEY
 Date: 8-21-98

Candidate Site 9 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

Astoria Canyon

AREA OF CONSIDERATION ^{1/}				COMMENTS	RELEVANT SPECIFIC FACTORS (40CFR 228.6)	RELEVANT SPECIFIC FACTORS (40CFR 228.5)
	NO CONFLICT ^{2/}	POTENTIAL CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal					5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		✓			2, 8	a, b
7. Recreational Fisheries					2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL/	✓				2, 8	a, b
9. Nursery Areas	✓				2, 8	a, b
10. Feeding Areas	✓				2, 8	a, b
11. Migration Routes					2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species EFH	✓				2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓				2, 8	a, b
14. Marine Mammals		✓			1, 8	a, b, c
15. Mineral Deposits	✓				1, 8	a, b, d
16. Navigation Hazard		✓			8	a, b, d
17. Other uses of Ocean (cables, pipelines etc)	✓				4, 6, 7	a, b, d
18. Degraded Areas					4, 6, 9	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				2, 8, 11	a, b, c, d
20. Recreational Uses					11	b
21. Cultural/Historic Sites		✓			1, 3, 6, 7	a, b, d
22. Physical Oceanography: Waves/Circulation	✓				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓				5	c
24. Monitoring	✓				1, 4, 7	d
25. Shape/size of Candidate Site					2, 3, 4, 7, 11	b, d
26. Size of Buffer Zone					4, 7	c, d
27. Potential for Cumulative Effects	✓					

NEED BASELINE DATA

Organization Name: PUBLIC - E. BEASLEY
 Date: 8-21-98

**Candidate Site 10 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

EXPANDED F

AREA OF CONSIDERATION ^{1/}	MORE INFORMATION ^{2/}			COMMENTS	REVELANT SPECIFIC FACTORS (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	✓				1, 6, 8, 11	a
2. Physical Sediment Compatibility	✓			VERY FINE GRAIN CONCERN WITH UPRIVER SEDIMENTS	3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	✓	✓		CONCERN WITH UPRIVER SEDIMENTS	3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	✓			MOUNDING - LIMITED CAPACITY (SHALLOW)	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	✓	✓			2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	✓			CRAB, GROUNDFISH, MIDWATER SALMON	2, 8	a, b
7. Recreational Fisheries		✓		SALMON, HALIBUT, OTHER	2, 8	a, b
8. Breeding/Spawning Areas /SOFT SHELL	✓	✓		JUVENILE FLATEISH, SOFT-SHELL CRAB	2, 8	a, b
9. Nursery Areas	✓	✓		JUVENILE FLATEISH, SOFT-SHELL CRAB	2, 8	a, b
10. Feeding Areas	✓	✓			2, 8	a, b
11. Migration Routes	✓	✓			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species ESSENTIAL FISH HABITAT	✓			EFH	2, 8, 10	a, b
13. Spatial Distribution of Benthos	✓			HIGH BENTHIC PRODUCTIVITY	2, 8	a, b
14. Marine Mammals		✓			1, 8	a, b, c
15. Mineral Deposits	✓				1, 8	a, b, d
16. Navigation Hazard		✓		MOUNDING, TOO SHALLOW, NON-DISPERSIVE	1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	✓			BAR PILOT EXCHANGE AREA	1, 8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	✓				4, 6, 9	a, b, d
20. Recreational Uses	✓			SALMON, HALIBUT, OTHER	2, 8, 11	a, b, c, d
21. Cultural/Historic Sites		✓			11	b
22. Physical Oceanography: Waves/Circulation	✓	✓			1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	✓	✓			1, 3, 6, 7	a, b, d
24. Monitoring		✓			5	c
25. Shape/size of Candidate Site					1, 4, 7	d
26. Size of Buffer Zone					2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects					4, 7	c, d

INADEQUATE CAPACITY
 MITIGATION
 RFA - REGULATORY FLEXIBILITY ANALYSIS

Organization Name: Rick Vining / WDOE
 Date: 8/24

(1) not enough information to make reasoned choice!

~~Skirt~~ **Candidate Site 1 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X			- May already be impacted by prior disposal ?	5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas			(1)		2, 8	a, b
9. Nursery Areas			(1)		2, 8	a, b
10. Feeding Areas			(1)		2, 8	a, b
11. Migration Routes			(1)		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species			(1)		2, 8	a, b
13. Spatial Distribution of Benthos			(1)		2, 8, 10	a, b
14. Marine Mammals	X				2, 8	a, b
15. Mineral Deposits			(1)		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			(1)		8	a, b, d
18. Degraded Areas			?		4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X			May be too close to Site B.	2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects			(1)		4, 7	c, d

Organization Name: Rick Vining WDOE
 Date: 8/24

Laura's Pick

Expanded Site F

Candidate Site 10 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	6 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas		(1)			2, 8	a, b
9. Nursery Areas		(1)			2, 8	a, b
10. Feeding Areas		(1)			2, 8	a, b
11. Migration Routes		(1)			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		(1)			2, 8	a, b
15. Mineral Deposits		(1)			1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		(1)			8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone		X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rick Vining WDOE
 Date: 8/24/0

Dick's Pick

Candidate Site 9 - ASTORIA CANYON
Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act

AREA OF CONSIDERATION ^{1/}	COMMENTS				RELEVANT SPECIFIC FACTORS ^{2/} Eleven Specific Factors ^{3/} (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT ^{2/} POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas			(1)		2, 8	a, b
9. Nursery Areas			(1)		2, 8	a, b
10. Feeding Areas			(1)		2, 8	a, b
11. Migration Routes			(1)		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species			(1)		2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals			(1)		2, 8	a, b
15. Mineral Deposits			(1)		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			(1)		8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name:

Date:

Rick Vining WDOE

8/24

(1) Same

Dale Park

**Candidate Site 8 Ocean Dredged Material Disposal Site Conflict Matrix
for Evaluating Potential for Conflict with Required Considerations
of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}				COMMENTS	RELEVANT SPECIFIC FACTORS <i>Eleven Specific Factors^{3/} (40CFR 228.6)</i>	RELEVANT SPECIFIC FACTORS <i>5 General Criteria (40CFR 228.5)</i>
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Brooding/Spawning Areas			(1)		2, 8	a, b
9. Nursery Areas			(1)		2, 8	a, b
10. Feeding Areas			(1)		2, 8	a, b
11. Migration Routes			(1)		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals			(1)		2, 8	a, b
15. Mineral Deposits			(1)		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			(1)		8	a, b, d
18. Degraded Areas					4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X			Too Small	1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rich Vining WDFE
 Date: 8/24

*Nearest Shore
Option 2*

Same as "6"

(1) Same

**Candidate Site 7 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	COMMENTS			RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS	
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE	Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas		(1)			2, 8	a, b
9. Nursery Areas		(1)			2, 8	a, b
10. Feeding Areas		(1)			2, 8	a, b
11. Migration Routes		(1)			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		(1)			2, 8	a, b
15. Mineral Deposits	X	(1)	Black Sands Mining		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		(1)			8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rick Vining WPOE
 Date: 8/24

(1) Same

Nearshore

**Candidate Site 6 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	CONFLICT ^{2/}			COMMENTS	RELEVANT SPECIFIC FACTORS Eleven Specific Factors ^{3/} (40CFR 228.6)	RELEVANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	POTENTIAL CONFLICT	NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas		(1)			2, 8	a, b
9. Nursery Areas		(1)			2, 8	a, b
10. Feeding Areas		(1)			2, 8	a, b
11. Migration Routes		(1)			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		(1)			2, 8	a, b
15. Mineral Deposits	X	(1)	Black Sands Mining		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X	(1)			8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rick Vining
 Date: 8/24

Rick's Mega-Pak

(1) Same

**Candidate Site 5 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT			COMMENTS	RELEVANT SPECIFIC FACTORS	RELEVANT SPECIFIC FACTORS
	CONFLICT ^{2/}	POTENTIAL CONFLICT	NO CONFLICT		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution			(1)		2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas			(1)		2, 8	a, b
9. Nursery Areas			(1)		2, 8	a, b
10. Feeding Areas			(1)		2, 8	a, b
11. Migration Routes			(1)		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals			(1)		2, 8	a, b
15. Mineral Deposits			(1)		1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			(1)		8	a, b, d
18. Degraded Areas			?		4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects			(1)		4, 7	c, d

Organization Name: Rick Vining WDOE
 Date: 8/24/05

(1) Same

Pearcek Spit

**Candidate Site 4 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific ^{3/} Factors (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	XX				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Brooding/Spawning Areas	X				2, 8	a, b
9. Nursery Areas	X				2, 8	a, b
10. Feeding Areas	X				2, 8	a, b
11. Migration Routes	X				2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		(1)			2, 8	a, b
15. Mineral Deposits		(1)			1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)	X				8	a, b, d
18. Degraded Areas	X				4, 6, 7	a, b, d
19. Water Column Chm./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring	X				5	c
25. Shape/size of Candidate Site	X	Should be larger			1, 4, 7	d
26. Size of Buffer Zone	X				2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rick Vining / WA DOE
 Date: 8/24

(1) Same

Shale Pile
**Candidate Site 3 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}				COMMENTS	REVELANT SPECIFIC FACTORS (40CFR 228.6)	REVELANT SPECIFIC FACTORS 5 General Criteria ^{4/} (40CFR 228.5)
	CONFLICT POTENTIAL	CONFICT NO CONFLICT	BENEFICIAL USE			
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility		X			3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal		X			5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X				2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries		X			2, 8	a, b
7. Recreational Fisheries		X			2, 8	a, b
8. Breeding/Spawning Areas			(1)		2, 8	a, b
9. Nursery Areas			(1)		2, 8	a, b
10. Feeding Areas			(1)		2, 8	a, b
11. Migration Routes			(1)		2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species		X			2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals			(1)		2, 8	a, b
15. Mineral Deposits			(1)		1, 8	a, b, c
16. Navigation Hazard		X			1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)			(1)		8	a, b, d
18. Degraded Areas			?		4, 6, 7	a, b, d
19. Water Column Chem./Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement		X			1, 3, 6, 7	a, b, d
24. Monitoring		X			5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone			(1)		2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X				4, 7	c, d

Organization Name: Rick Vining / WDOE
 Date: 8/24

(1) not enough information to make reasoned choice!

Expanded Site E

**Candidate Site 2 Ocean Dredged Material Disposal Site Conflict Matrix
 for Evaluating Potential for Conflict with Required Considerations
 of the Marine Protection Research and Sanctuaries Act**

AREA OF CONSIDERATION ^{1/}	POTENTIAL CONFLICT ^{2/}	NO CONFLICT	BENEFICIAL USE	COMMENTS	REVELANT SPECIFIC FACTORS	REVELANT SPECIFIC FACTORS
	X	X	X		Eleven Specific Factors ^{3/} (40CFR 228.6)	5 General Criteria ^{4/} (40CFR 228.5)
1. Unusual Topography/Unique Bottom Features	X				1, 6, 8, 11	a
2. Physical Sediment Compatibility	X				3, 4, 9	b, c, d
3. Chemical Sediment Compatibility	X				3, 4, 7, 9	a, b, c, d
4. Influence of Past Disposal	X				5, 7, 9, 10	a, b, d
5. Living Resources of Limited Distribution	X			Unlikely because of high energy dynamics	2, 3, 6, 8, 11	a, b, d
6. Commercial Fisheries	X				2, 8	a, b
7. Recreational Fisheries	X				2, 8	a, b
8. Breeding/Spawning Areas		(1)			2, 8	a, b
9. Nursery Areas		(1)			2, 8	a, b
10. Feeding Areas		(1)			2, 8	a, b
11. Migration Routes		(1)			2, 8	a, b
12. Critical Habitat of Threatened or Endangered Species	X				2, 8	a, b
13. Spatial Distribution of Benthos	X				2, 8, 10	a, b
14. Marine Mammals		(1)			2, 8	a, b
15. Mineral Deposits		(1)			1, 8	a, b, c
16. Navigation Hazard	X				1, 8	a, b, d
17. Other uses of Ocean (cables, pipelines etc.)		(1)			8	a, b, d
18. Degraded Areas		?			4, 6, 7	a, b, d
19. Water Column Chem/Phys. Characteristics	X				4, 6, 9	a, b, d
20. Recreational Uses	X				2, 8, 11	a, b, c, d
21. Cultural/Historic Sites	X				11	b
22. Physical Oceanography: Waves/Circulation	X				1, 3, 6, 7	a, b, d
23. Direction of Transport/Potential for Settlement	X				1, 3, 6, 7	a, b, d
24. Monitoring		X			5	c
25. Shape/size of Candidate Site	X				1, 4, 7	d
26. Size of Buffer Zone	X	X			2, 3, 4, 7, 11	b, d
27. Potential for Cumulative Effects	X	(1)			4, 7	c, d