

**Attachment A**  
**Scow Log Sample**

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**INSPECTOR'S DAILY REPORT OF DISPOSAL BY SCOW**

NOTE: Dredged material volume stated below is approximate and shall not be used for measurement and/or payment.

Permittee \_\_\_\_\_ Disposal Area \_\_\_\_\_  
 Permit/Contract No. \_\_\_\_\_ Date \_\_\_\_\_  
 Project \_\_\_\_\_ Towboat \_\_\_\_\_  
 Dredging Contractor \_\_\_\_\_ Owner \_\_\_\_\_

Trip No.	Scow No.	Started From Place	From Time	Disposal Time	Returned To Place	To Time	Round Trip Time	Trip Dist.	Lat/Long Specified	Coordinates* Actual	Dist./Dir. From Buoy

Trip No.	No. of Pockets Loaded	Dumped	Reason Pocket Not Dumped	Disposal Depth	Speed	Weather	Sea Conditions/Visibility	Approx. Volume (CY)	Scow Draft

Comments: \_\_\_\_\_

\*Check the datum used  NAD27  NAD83. Also note any factors that may affect reliability of navigation instrument and readouts.

Time On	Time Off	Hours On Duty	Reviewed By: Permittee's Representative or, for Corps Projects, Corps' Resident Engineer or Field Inspector
Total Hours On Duty			

To the District Engineer, U.S. Army Engineer District, New England, Concord, Massachusetts:  
 I certify that I informed the tug captain of the conditions of the U.S. Army Corps of Engineers permit or contract regarding the distance from the buoy and the speed of the scow during the release of the dredged material. I also informed the captain that failure to comply with these conditions would constitute a violation of the permit and would be reported to the Corps. I certify that this report is correct and that I am not an employee of the dredging or towing firm, or the permittee, nor have I been employed by any of them at any time during the past six months. The approximate volume of dredged material stated on this report is only an estimate. It was made either by me, the dredging or towing contractor, or the Corps of Engineers Resident Engineer or Field Inspector. I do not certify that it correctly states the volume of material dredged.

\_\_\_\_\_  
 Signature of Disposal Inspector

\_\_\_\_\_  
 (Certification No.)

Print Name Here \_\_\_\_\_  
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## **Attachment B**

### **WLIS Disposal Site Scow Log Summary by Mound - 1988 to 2002**

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PERMITTEE or PROJECT NAME	PERMIT or CORPS CONTRACT #	SCOW VOLUME(CUBIC YARDS)	CITY/TOWN	HARBOR	CT/NY
<b>1988-1989 Disposal Season - No Projects</b>					
NA	NA	NA	NA	NA	NA
<b>1989-1990 Disposal Season - D Mound</b>					
ARNOLD SURESKY	198800704	1,750	Westport	Saugatuck River	CT
CITY OF STAMFORD	198900701	30,400	Stamford	Westcott Cove	CT
COS COB BOAT BASIN	198900865	24,450	Greenwich	Cos Cob/Mianus River	CT
COVE MARINA	198900239	900	Norwalk	NA	CT
HARBOR VILLAGE LTD PARTNERSHIP	198702174	16,925	Greenwich	Cos Cob/Mianus River	CT
IMPERIA FAMILY REALTY	NY15530	3,400	Bronx - Pelham	Eastchester Creek	NY
NORWALK COVE MARINA	198700293	3,850	Norwalk	Charles Creek	CT
CORPS NAN (NYD) MAMARONECK HARBOR	1990C0024	131,150	Mamaroneck	Mamaroneck Harbor	NY
RIVER LANDING ASSOC.	198800005	1,350	Greenwich	Mianus River	CT
SUTTON MANOR ASSOC.	NY15283	3,125		New Rochelle	NY
THE CRESCENT GROUP	NY15076	3,200	Mamaroneck	Mamaroneck Harbor	NY
TOWN OF GREENWICH	198400687	1,700	Greenwich	Mianus River	CT
WILSON COVE MARINA	198901737	17,905	Norwalk	Wilson Point Harbor	CT
	<b>TOTAL</b>	<b>240,105</b>			
<b>1990-1991 Disposal Season - E Mound</b>					
ARNOLD & MADIA SURESKY	199010344	1,700	Westport	Saugatuck River	CT
BURRITTS LANDING	199011169	9,300	Westport	NA	CT
CHRISTIAN I. TREFZ	198701341	500	Westport	Saugatuck River	CT
CITY OF RYE, NY	NY16042	24,950	Rye	Milton Harbor	NY
DARIEN BOAT CLUB	198900566	8,550	Darien	Darien River	CT
NORWALK COVE MARINA	198700293	9,525	Norwalk	Charles Creek	CT
PLAZA MATERIALS	NY15826	6,200	Bronx - Pelham	Eastchester Creek	NY
TIDE MILL YACHT BASIN	NY14761	350	Port Chester	Byram River - Port Chester Hbr	NY
TOWN OF OYSTER BAY	NY15714	28,375	Oyster Bay	Oyster Bay Harbor	CT
US MERCHANT MARINE	NY15816	24,185	Great Neck	Little Neck Bay	CT
VICTOR BORGE	199000006	580	Greenwich	NA	CT
	<b>TOTAL</b>	<b>114,215</b>			
<b>1991-1992 Disposal Season - F Mound</b>					
ALLEN GREEN	NY16195	1,500	NA	Larchmont	NY
HARBOR VILLAGE LTD PARTNERSHIP	198702174	30,610	Greenwich	Cos Cob/Mianus River	CT
L. SCOTT FRANTZ	199000685	1,175	NA	Greenwich	CT
PAUL HOFFMAN	NY16220	950	NA	Larchmont	NY
TALLMADGE BROTHERS	198803504	1,700	NA	Norwalk	CT

PERMITTEE or PROJECT NAME	PERMIT or CORPS CONTRACT #	SCOW VOLUME(CUBIC YARDS)	CITY/TOWN	HARBOR	CT/NY
TIDE MILL YACHT BASIN	NY14761	10,450	Port Chester	Byram River - Port Chester Hbr	NY
TRUST OF J. MCMICHAEL	NY16225	4,550	Mamaroneck	Mamaroneck Harbor	NY
VILLAGE CREEK HOMEOWNERS ASSOC	199010449	376	NA	Norwalk	CT
	<b>TOTAL</b>	<b>51,311</b>			
<b>1992-1993 Disposal Season - F Mound</b>					
BREWER MARINA, INC	NY16221	225	Rye	Mamaroneck Harbor	NY
L. SCOTT FRANTZ	199000685	50	NA	Greenwich	CT
MR MRS GARY L. SWENSON	199102606	500	NA	Greenwich	CT
PONINGO NECK APTS CORP	199000665	8,035	Rye	Milton Harbor	NY
TOWN OF GREENWICH	199102620	19,450	Greenwich	Greenwich Harbor	CT
	<b>TOTAL</b>	<b>28,260</b>			
<b>1993-1994 Disposal Season - F Mound</b>					
BELLE HAVEN YACHT CLUB	199300975	3,950	Greenwich	Byram Harbor - Belle Haven Cove	CT
BREWER MARINA, INC	NY16221	8,028	Rye	Mamaroneck Harbor	NY
DANIEL A SPERANDIO, JR	199300620LS	2,400		New Rochelle	NY
INDIAN COVE PROPERTY OWNERS	199214770	4,050	Mamaroneck	NA	NY
NOROTON YACHT CLUB	199011261	1,450	Darien	Darien River	CT
NORWALK BOAT CLUB	199302630	4,075	Norwalk	Norwalk Harbor - West Branch	CT
SHORE AND COUNTRY CLUB	199200670	8,550	Norwalk	Norwalk Harbor - Outer Harbor	CT
	<b>TOTAL</b>	<b>32,503</b>			
<b>1994-1995 Disposal Season - G Mound</b>					
ANNE C. CAMBELL	199102738	1,675	NA	Norwalk	CT
J ARTHUR URCIUOLI	199400841	1,475	NA	Stamford	CT
MILT COMPANY	198900236	2,250	NA	Stamford	CT
ROTON POINT ASSOC	199402175	1,550	Norwalk	Five Mile River	CT
TOMS POINT MARINA	199313130	3,900	Port Washington	Manhasset Bay	NY
TOWN OF GREENWICH	199200433	7,850	Greenwich	Greenwich Harbor	CT
TOWN OF WESTPORT	199301107	50,435	Westport	Saugatuck River	CT
VILLAGE CREEK HOMEOWNERS ASSOC	199010449	13,877	Norwalk	Village Creek	CT
	<b>TOTAL</b>	<b>83,012</b>			
<b>1995-1996 Disposal Season - H Mound</b>					
MANHASSET BAY MARINA	199313150	4,700	Port Washington	Manhasset Bay	NY

PERMITTEE or PROJECT NAME	PERMIT or CORPS CONTRACT #	SCOW VOLUME(CUBIC YARDS)	CITY/TOWN	HARBOR	CT/NY
MR & MRS ALBERT ZESIGNER	199500691	2,950	NA	Norwalk	CT
PETER WARD	199600874	1,500	NA	Darien	CT
STAMFORD YACHT CLUB	199502521	1,750	Stamford	Stamford Harbor	CT
TOMS POINT MARINA	199313130	2,150	Port Washington	Manhasset Bay	NY
VILLAGE CREEK HOMEOWNERS ASSOC	199010449	5,609	Norwalk	Village Creek	CT
	<b>TOTAL</b>	<b>18,659</b>			
<b>1996-1997 Disposal Season - I Mound</b>					
MANHASSET BAY MARINA	199313150	11,350	Port Washington	Manhasset Bay	NY
RIVERSIDE YACHT CLUB	199001268	45,300	Greenwich	Cos Cob/Mianus River	CT
ROTON POINT ASSOC	199402175	6,770	Norwalk	Five Mile River	CT
	<b>TOTAL</b>	<b>63,420</b>			
<b>1997-1998 Disposal Season - J Mound</b>					
L. SCOTT FRANTZ	199701232	1,100	NA	Greenwich	CT
RIVERSIDE YACHT CLUB	199001268	1,150	Greenwich	Cos Cob/Mianus River	CT
ROOSEVELT MARINA	199101073	9,250	Oyster Bay	Oyster Bay Harbor	NY
TOMS POINT MARINA	199313130	2,550	Port Washington	Manhasset Bay	NY
	<b>TOTAL</b>	<b>14,050</b>			
<b>1998-1999 Disposal Season - K Mound</b>					
BRUCE DEBOER	199602654	1,250	NA	Norwalk	
COE-FIVE MILE RIVER	1999C0004	34,550	Darien & Norwalk	Five Mile River	
DOUGLAS & SANDRA CAMPBELL	199600311	1,000	NA	Norwalk	
MS. KAREN CASEY	199900946	400	NA	Norwalk	
PONINGO NECK APTS CORP	199801856	4,150	Rye	Milton Harbor	NY
WENDY CRUIKSHANK	199900379	700	NA	Norwalk	
WILLIS CAVANAGH	199601090	350	Norwalk	Five Mile River	
WILSON COVE MARINA	199800684	1,500	Norwalk	Wilson Point Harbor	
	<b>TOTAL</b>	<b>43,900</b>			
<b>1999-2000 Disposal Season - L Mound</b>					
FANNY RAYMOND	199900793	1,000	NA	Five Mile River	CT
FRANK MAGUIRE	199602325	275	NA	Five Mile River	CT
FRITZ SCHWEITZER	199900173	300	NA	Five Mile River	CT
IRENE PLAGIANAKOS	199600927	8,600	NA	Greenwich	CT
LARCHMONT YACHT CLUB	199801590	9,975	Mamaroneck	Larchmont Harbor	NY
STAMFORD LANDING CONDO ASSOC.	199802236	550	Stamford	Stamford Harbor - West Branch	CT

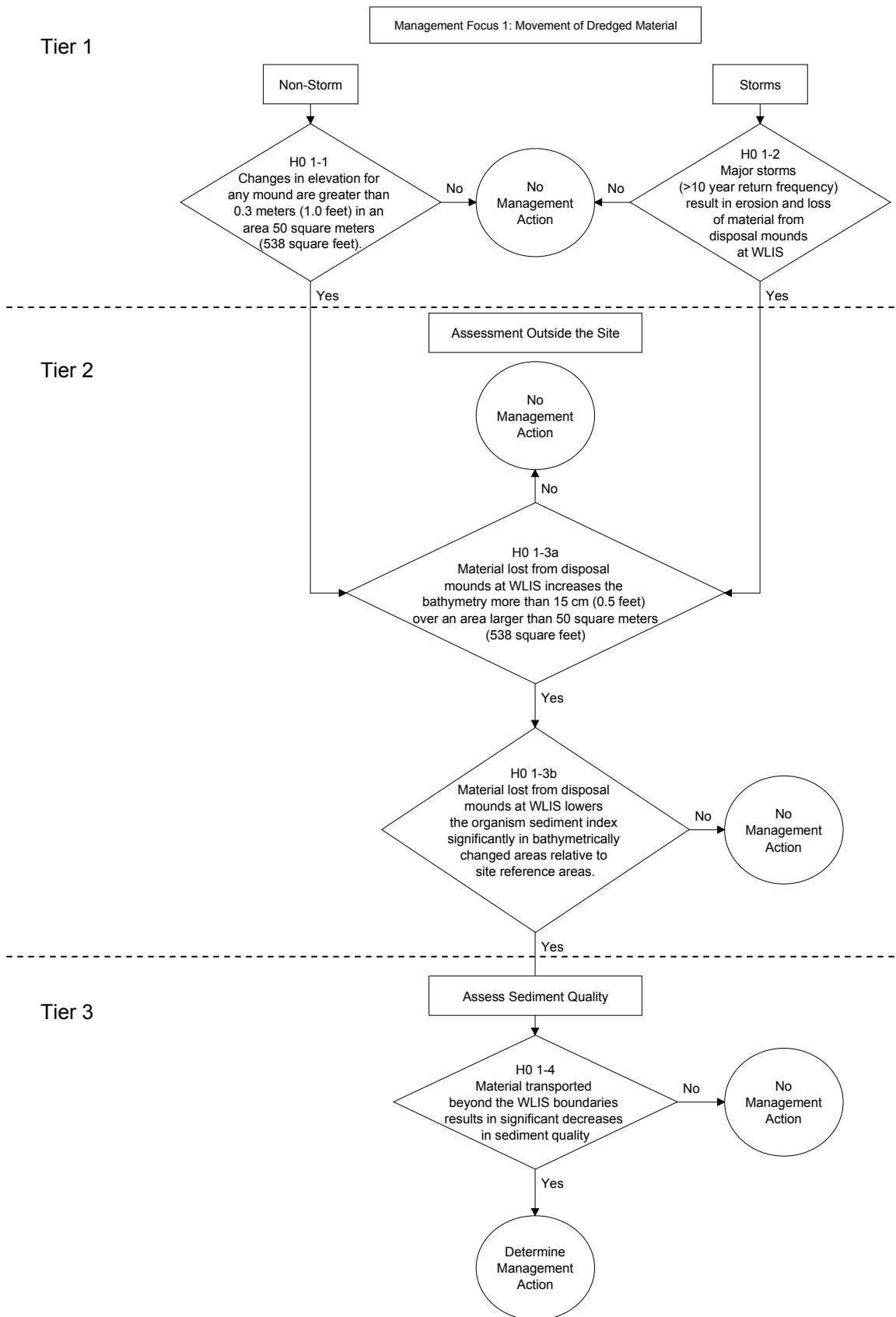
PERMITTEE or PROJECT NAME	PERMIT or CORPS CONTRACT #	SCOW VOLUME(CUBIC YARDS)	CITY/TOWN	HARBOR	CT/NY
	<b>TOTAL</b>	<b>20,700</b>			
<b>2000-2001 Disposal Season - L Mound</b>					
CHARLES CREEK & DORLON MARINA BASIN	199902819	600	Norwalk	Norwalk Harbor	CT
ERIC ROSENFELD	199801640	2,300	Mamaroneck	Larchmont Harbor	NY
GREACEN POINT GROUP	199804160	24,300	Mamaroneck	Larchmont Harbor	NY
IRENE PLAGIANAKOS	199600927	900	NA	Greenwich	CT
NOROTON YACHT CLUB	200000671	8,050	Darien	Darien River	CT
SCHOONER COVE YACHT CLUB	199802695	300	Stamford	Stamford Harbor - East Branch	CT
SHELLEY TRUBOWITZ	199902014	600	NA	Five Mile River	CT
STEPHEN LAMONDO	200002956	400	Westport	Saugatuck River	CT
TOWN OF DARIEN	199901863	15,100	Darien	Darien River	CT
	<b>TOTAL</b>	<b>52,550</b>			
<b>2001-2002 Disposal Season - J Mound</b>					
C & L IVES	200101240	375	NA	Norwalk	CT
CHARLES CREEK & DORLON MARINA BASIN	199902819	14,500	Norwalk	Norwalk Harbor	CT
CITY OF STAMFORD	199902133	16,500	Stamford	Westcott Cove	CT
DARIEN BOAT CLUB	199903168	13,000	Darien	Darien River	CT
DEVINE BROTHERS	200102560	4,450	NA	Norwalk	CT
JEAN ROSOW	200100027	400	Fairfield	NA	CT
JEFFERY ERDMANN	200002270	1,700	NA	Norwalk	CT
MIANUS RIVER & YACHT CLUB	200002513	6,350	Greenwich	Mianus River	CT
PRATT COVE ASSOC.	200101261	12,200	Darien	Darien River - Pratt Cove	CT
	<b>TOTAL</b>	<b>69,475</b>			

NA – Information not available.

## **Attachment C**

### **Hypotheses Flowcharts and Summary Table**

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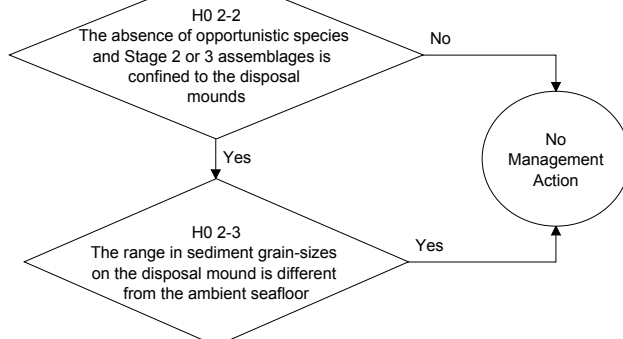
Tier 1

Management Focus 2: Absence from the Disposal Site of  
 Pollutant-Sensitive Biota Characteristic of the General Area

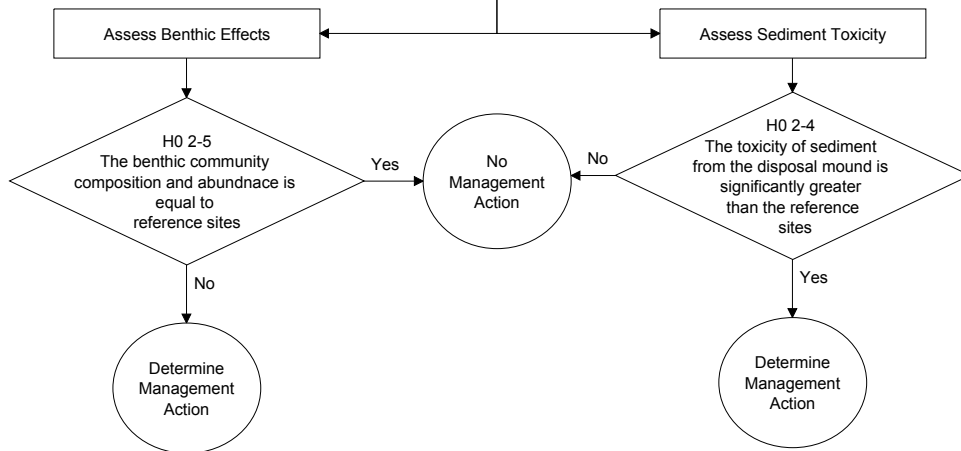
After 12  
 months

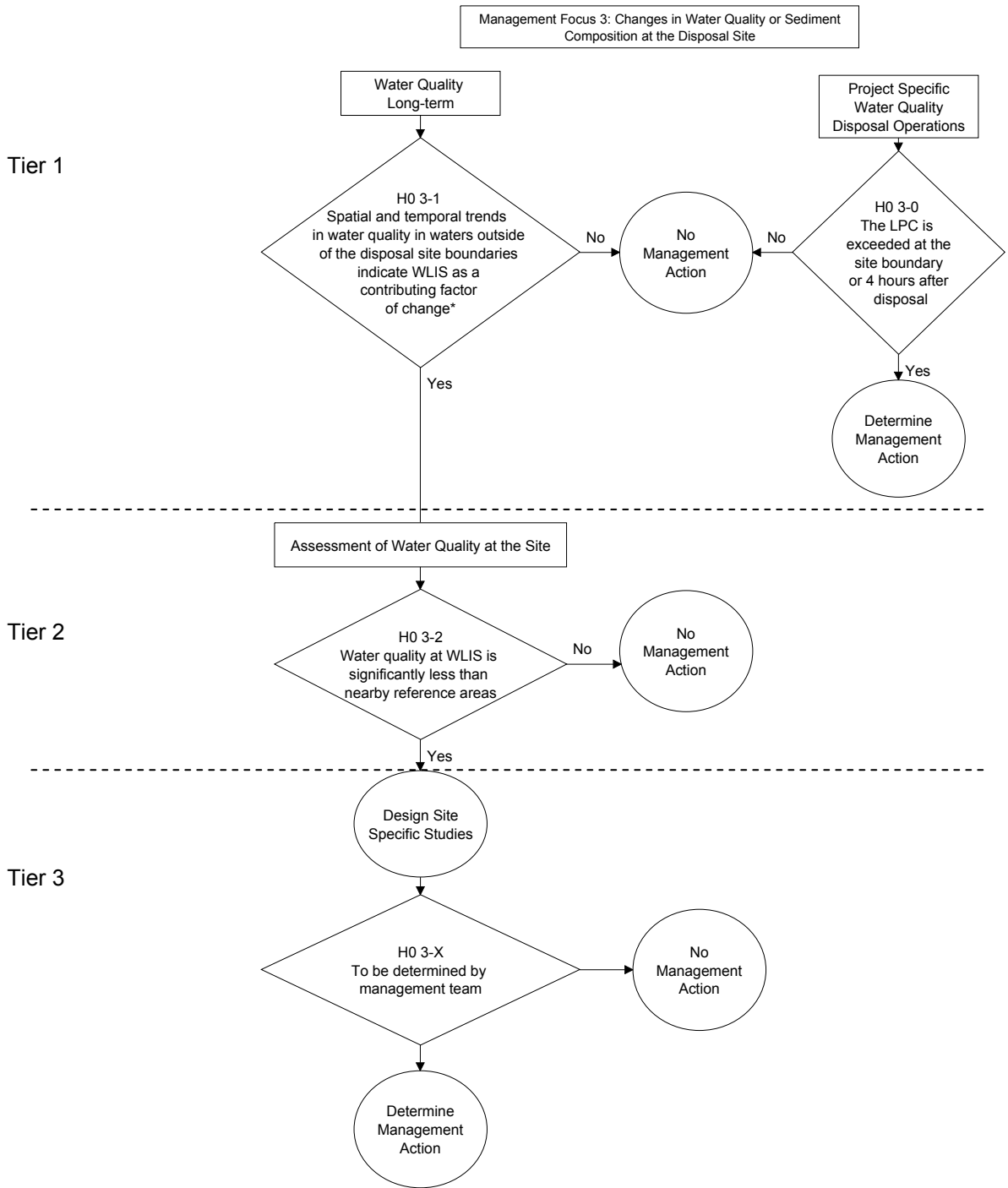


Tier 2

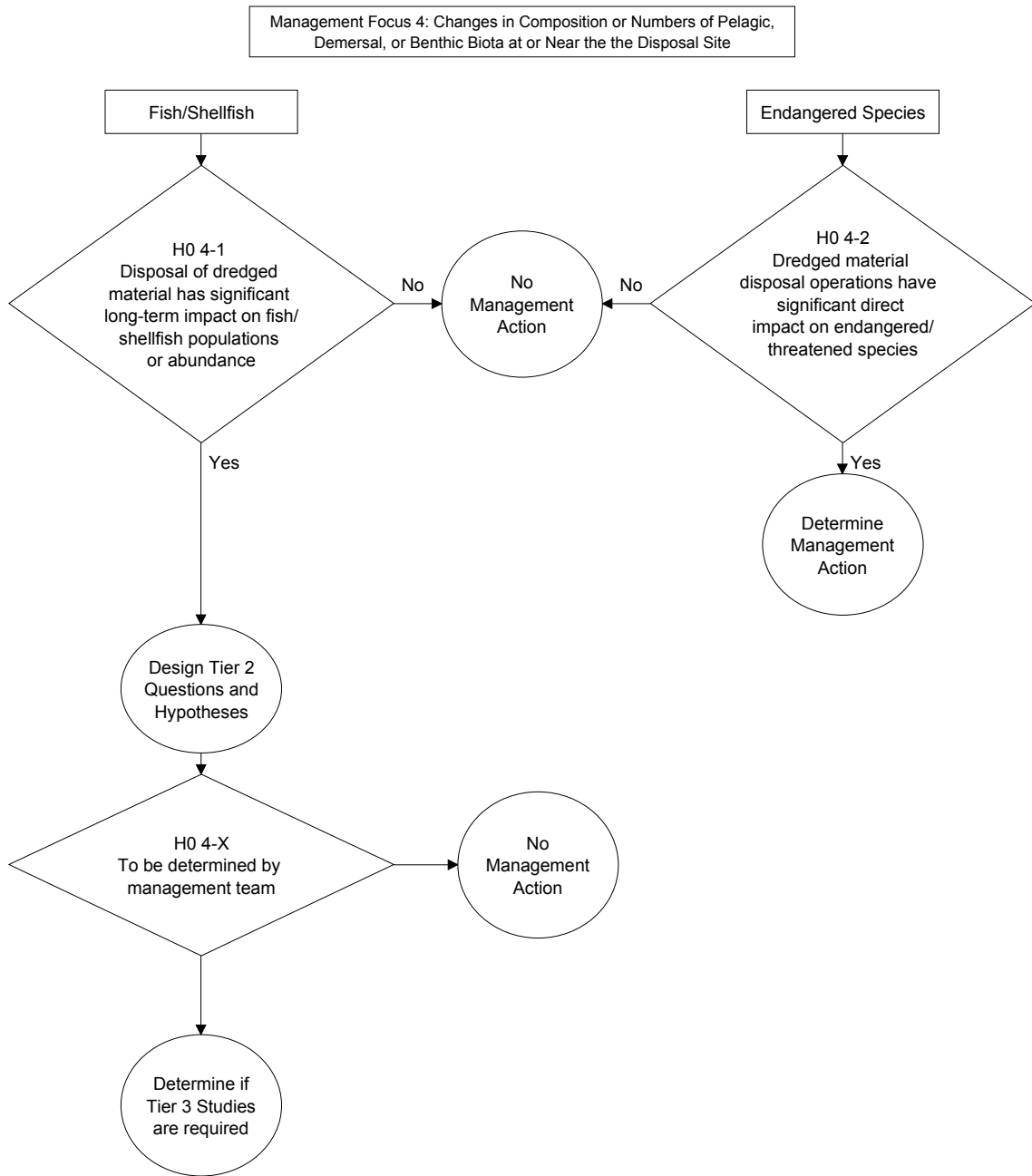


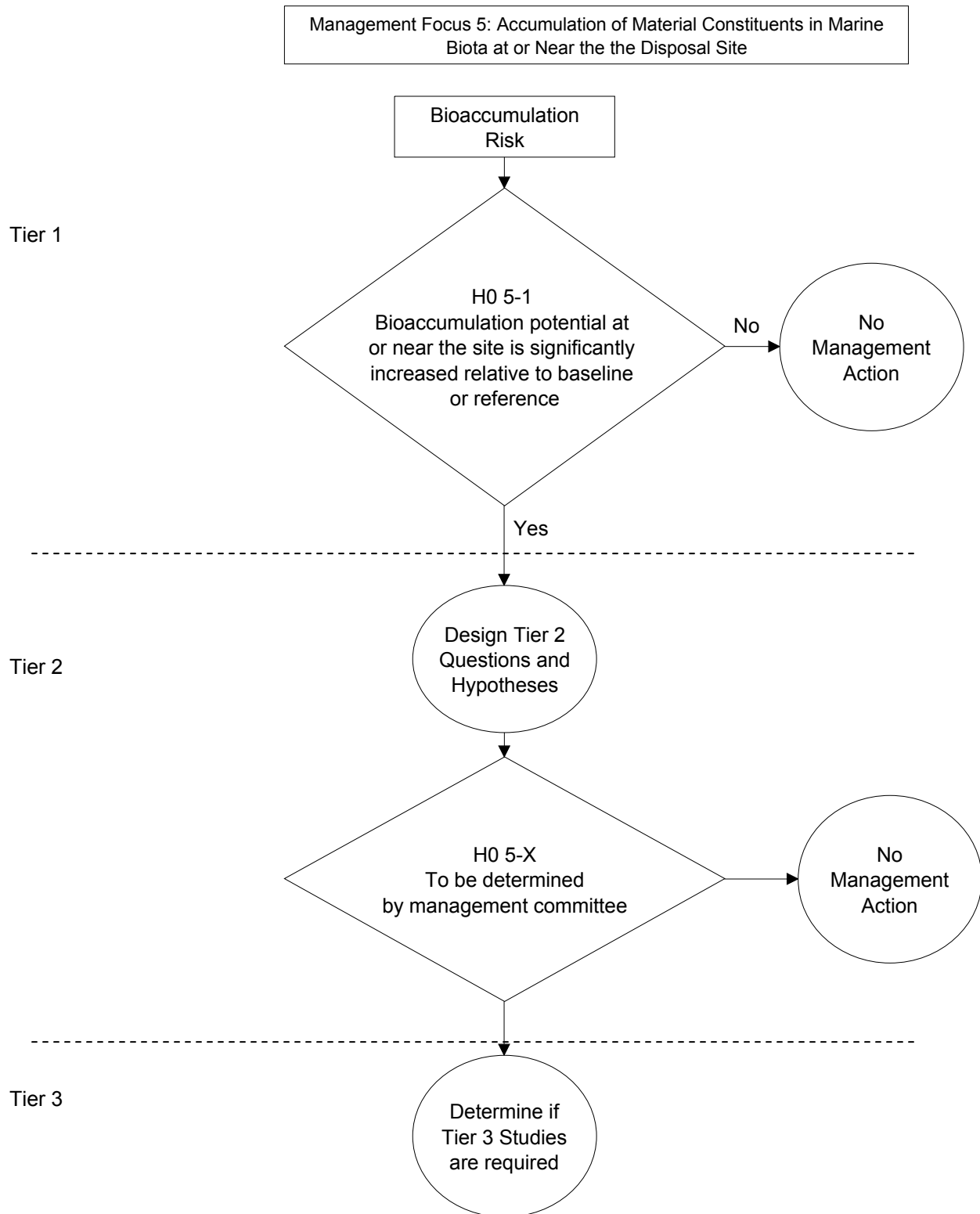
Tier 3





\* Long Island Sound Study sites





**Table C-1. Summary of Hypotheses and Leading Indicators for Each Management Focus**

	<b>Management Focus 1: Movement of the Dredged Material</b>	<b>Management Focus 2: Absence of Pollutant- Sensitive Biota</b>	<b>Management Focus 3: Changes in Water Quality</b>	<b>Management Focus 4: Changes in Composition or Numbers of Biota</b>	<b>Management Focus 5: Accumulation of Material Constituents in Biota</b>
<b>TIER 1</b>					
<b>First Hypothesis</b>	Baseline taken after 1 yr of consolidation; entire site bathymetry performed periodically	SPI within 12-16 months of mound completion and survey of historic mounds in a given 5 yrs period.	Annual water quality measured in site vicinity (LISS Monitoring program data)	Annual CTDEP trawl survey data	Bioaccumulation potential estimated of sediments collected within site and ref. areas at least every 5 yrs
Condition(s) triggering Tier 2 monitoring:	Mound changes by > 1.0 ft w/in 5 yr interval	Significant differences between site and ref. areas	Consistent gradients in measures of long-term water quality changes in vicinity	Significant differences in community composition or abundance from baseline or contiguous areas is found	Significant increase in bioaccumulation potential relative to range of bulk chemistry measured during project testing
<b>Second Hypothesis</b>	Bathymetry taken ≤ 2 months after 10-yr storm	N/A.	N/A	TBD	N/A
Condition(s) triggering Tier 2 monitoring:	Mound changes by > 1.0 ft from last survey	N/A	N/A	TBD	N/A
<b>TIER 2</b>					
<b>First Hypothesis</b>	Bathymetry and sediment char. survey w/in 1 km of site boundary	SPI at site and ref. areas at least 1 km away; grain size analysis	Water quality measured at site and ref. Areas during disposal	No hypothesis but studies may include measurement of species distribution at site and ref. areas	No hypothesis but studies will involve the collection of biota from site and ref. areas
Condition(s) triggering Tier 3 monitoring:	Apex or apron bathymetry changes are > 0.5 ft in areas greater than 50 by 50 m	Widespread differences between site and ref. areas are not caused by other factors	Significant short-term WQ gradients are found	A link between reduced biota or diversity and dredged material at the site is found	Significant bioaccumulation is detected
<b>Second Hypothesis</b>	N/A	SPI at site and ref. areas at least 1 km away; grain size analysis	N/A	No hypothesis but studies may include species distribution at site and ref. areas	Further studies not yet determined

Table C-1. Summary of Hypotheses and Leading Indicators for Each Management Focus (continued)

	Management Focus 1: Movement of the Dredged Material	Management Focus 2: Absence of Pollutant- Sensitive Biota	Management Focus 3: Changes in Water Quality	Management Focus 4: Changes in Composition or Numbers of Biota	Management Focus 5: Accumulation of Material Constituents in Biota
<b>TIER 2 (Cont'd)</b>					
Condition(s) triggering Tier 3 monitoring:	N/A	Differences between in biology between site and ref. areas are not caused by other factors	N/A	N/A	Further studies not yet determined
<b>TIER 3</b>					
<b>First Hypothesis</b>	Sed. chem, toxicity, and benthic community measured where community is depressed and ref. areas	Sediment Chemistry and toxicity measured at site and ref. Areas	No hypothesis but studies may include evaluation of sediment oxygen demand	No hypothesis but studies may include prey evaluation, bioaccumulation, succession, etc.	Further studies not yet determined
Condition triggering Management Action	All three measures are deemed unacceptable	All three measures are deemed unacceptable	Low dissolved oxygen at site and ref. areas is linked to dredged material	A link between reduced biota or diversity and dredged material at the site is found	A cause-effect link between sediment and higher trophic levels is detected
<b>Second Hypothesis</b>	N/A	Benthic community measured at site and ref. areas	No hypothesis but studies may include evaluation of sediment oxygen demand	No hypothesis but studies may include prey evaluation, bioaccumulation, succession, etc.	Further studies not yet determined
Condition triggering Management Action	Significant movement of material outside of the site and significantly impaired benthic community	All three measures are deemed unacceptable	Low dissolved oxygen at site and ref. areas is linked to dredged material	A link between reduced biota or diversity and dredged material at the site is found	A cause-effect link between sediment and higher trophic levels is detected

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