UNITECH INDUSTRIAL SALES INC.

Environmental Solutions at its best

IMS DREDGE EQUIPMENT SURVEY FORM:

Company _____ Date: _____

Address: _____

Telephone No.: _____ Fax No.: _____

E-Mail: _____

Name: _____ Title: _____

Signature: _____

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1. The type of work for which the dredge will be used, falls into one or more of the following categories:

General : Lake / Reservoir Dredging	☐	Beach Maintenance	☐
Canal Maintenance	☐	River Dredging	☐
Port / Marina Maintenance	☐	Vegetation Harvesting	☐
Sand Mining	☐	Tailings Pond Maintenance	☐

Special : (*see Question 9.b)*
Others: (*Describe briefly)* _____

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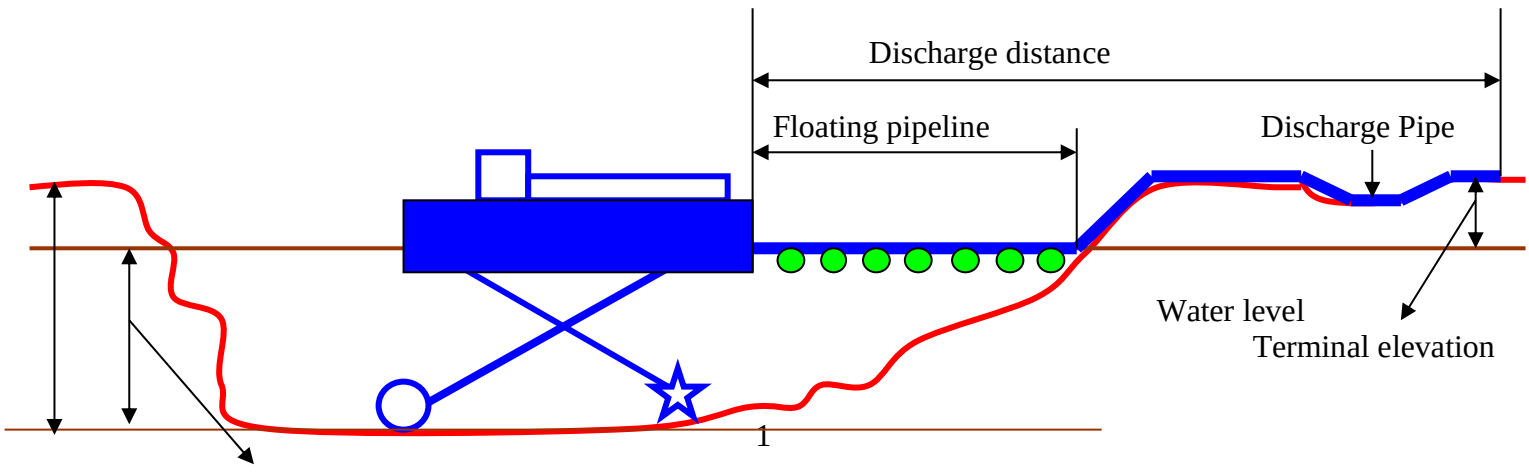
2. The geographical location of the project area is: _____

3.



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Dredging depth

Bank

Bottom cut

Maximum Discharge distance _____ft(___m) Minimum digging depth _____ft(___ m)
(including _____ ft(m) pipeline)
Minimum discharge distance _____ft(___m) Maximum digging depth _____ft(___m)
(including max range of tide,
If any _____ft(_____m)
Normal discharge distance _____ft(___ m)

Maximum terminal elevation _____ft(___m) Average digging depth _____ft(___m)
(including max range of tide,
Minimum terminal elevation _____ft(___ m) If any, _____ft(_____m)

4. Material Characteristics		
a. The material to be dredged on this project is a mixture of the following materials:	***b. The clay found on this job has one or more of the following characteristics:***	***d. The sand found consists of:***
Peat _____ ***%***	☐ ***Sticky***	***Fine sand*** _____ ***%*** ***(ave. diameter 0.1mm)***
Silt _____ ***%***	☐ ***Hard***	***Medium sand*** _____ ***%*** ***(ave. diameter 0.3mm)***
Mud _____ ***%***	☐ ***Soft***	***Coarse sand*** _____ ***%*** ***(ave. diameter 1.0mm)***
Sand (see 4.d) _____ ***%***	☐ ***Plastic***	***Total Percentage*** _____ ***%*** ***(Insert this value in)***
Clay (see 4.b) _____ ***%***	☐ ***Pure***	***e. The materials to be dredged on this project are:***
Gravel up to 1” _____ ***%***	☐ ***Mixed with silt***	☐ ***loose and free-flowing***
Gravel over 3” _____ ***%***	☐ ***Mixed with sand***	☐ ***hard & compacted***
Heavy minerals _____ ***%***	☐ ***Mixed with gravel***	***If standard penetration test (blow count) and compressive strength data is available, please mail/fax to us.***
Loose Coral _____ ***%***	☐ _____	***f. A sealed wet sample of the material to be dredged:***
Trash (see 4.c) _____ ***%***	***c. Overgrowth and vegetation found on this project is of the following nature:***	
	☐ ***Tree roots***	
	☐ ***Tree stumps***	
	☐ ***Mangroves***	
	☐ ***Swamp grass***	
	☐ ***Water hyacinths***	
	☐ ***Papyrus***	

_____ _____ % _____ _____ % ***TOTAL 100 %*** ***Is a granulometric analysis available?*** ☐ ***YES (pls send information)*** ☐ ***NO***	☐ ***Cattails*** ☐ ***Reeds***	☐ ***has been shipped*** ☐ ***can be shipped on request***

5. This project requires a total of _____cubic yards(cubic meters) of materials to be removed within _____ months. The dredge is expected to work __ shifts, each of __ hours per day, and will work __ days per month, and __ months per year.

6. In this project, one or more of the following conditions will prevail during normal operation of the dredge:

CONDITION	Continuously	Occasionally	Hardly Ever
Calm Water			
Rough Water			
Swells less than 2ft(60cm) high			
Swells over 2ft(60cm) high			
Waves less than 3ft high			
Current – 1 to 3 knots			
Current – over 3 knots			

Winds up to 20miles/hour			
Wind over 20miles/hour			

7. Limits
- Allowable draft on this project _____ft(_____m)
- Overhead clearance _____ft(_____m)
- Width clearance _____ft(_____m)
- Weight limits for road _____lbs(_____kg) Transportation
- Size limits for road _____ft_____(m) Transformation

8. Power source for dredge:
☐ Diesel engines installed aboard dredge.
☐ Electric currents from shore
_____ volts
_____ phase
_____ cycles

9. a. Additional Information on this project is:

☐ *attached* ☐ *available on request*
☐ Detailed description
☐ Topographical maps
☐ Photographs
☐ Boring data
☐ Screen analysis
☐ _____

b. This project is a special industrial application as indicated in Item 1, and a complete description of the particular materials to be dredged and other special conditions are attached.

10. The dredge should be ready for operation on this project no later than _____days.

Date dredge needed on site:_____

Time frame for completing project:_____

Hours operating per day:_____

Shifts per day: _____

Days per week:_____