

2 MARINE GEOTECHNOLOGY & NEARSHORE/OFFSHORE STRUCTURES

Tabular Summary

Author	A	B	C	D	E	In-Situ Soil Properties	
						F	G
Hoeg	general		general	X	X	X	X
Richards and Zuidberg	general		general	X		X	X
Chaney and Fang	general		clay/sand	X	X		
Qian et al.	general		clay		X		
Zhou and Zhou	general		sand				
Li and Xu	China	X	general		X		
Fang and Chaney	China Sea		general	X	X		
Gao et al.	Shanghai Donghai Sea		clay, sand, silt	X	X		
Gao	Chinese continental shelf		silt/clay		X		
Reese and Wang	United States		sand/clay	X	X		
Broms	general		general	X			
Zai and Hu	Shanghai		clay		X		
Wei et al.	China		clay		X		
Tang and Liu	general		clay				
Chang and Tong	general		sand	X			
Lee et al.	North Sea		sand/clay	X			
Gao et al.	Yangtze River		silty clay	X			
Zhao et al.	Shanghai		sand, clay silt	X			
Tang et al.	Bohai		sand/silt clay	X			

Legend of Table Headings

- A Area
- B Geology
- C Soil Material Involved
- D Offshore
- E Nearshore

In-situ Soil Properties

- F Sampling
- G In-situ Testing

Laboratory Soil Properties

- H Index Properties and Parameters
- I Soil Models
- J Static Strength
- K Dynamic Strength
- L Classification

Piles

- M Pile Capacity
- N Drivability

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Laboratory Soil Properties					Piles				Structures			
H	I	J	K	L	M	N	O	P	Q	R	S	T
	X	X	X		X				X	(5)	X	X
X	X	X	X									
	X		X									
			X									
			X									
X					X		X	(1)				
				X								
					X		X	(1)				
					X			(2)				
					X					(4)	X	
								(3)			X	
	X	X	X		X		X	(1)			X	X
	X		X						X	(5)	X	X
		X	X		X		X	(1)			X	
X	X	X									X	
						X	X		X			

O Vibration Seismic Loading
P Other

Structures

Q Platform
R Other
S Soil Structure Interaction
T Vibration Seismic Loading

- (1) *p-y* curve
(2) wave equation
(3) adhesive force
(4) pile supported wharf
(5) gravity platform