

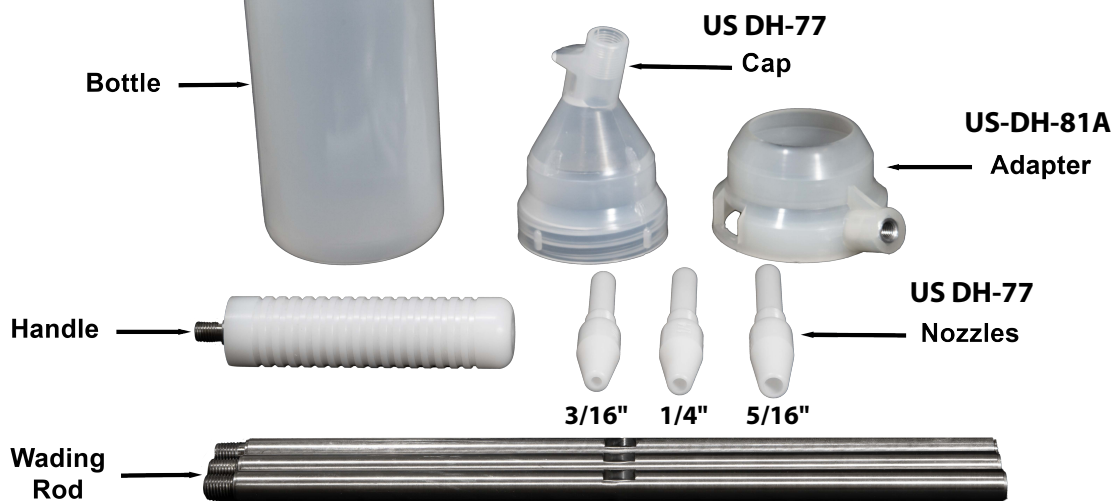
The DH-81 handheld suspended sediment sampler developed by the Federal Interagency Sedimentation Project (FISP) is specifically designed to collect flow-weighted, depth-integrated water - sediments samples in wadeable streams and rivers. The systems central component is the US DH-81A Adapter, which attaches to a wading rod and supports a variety of caps, nozzles, and sample containers. The modularity allows for a flexible, configurable system that can be tailored to specific sampling environments.

## FEATURES

- Variety of materials for various sample criteria
- Designed for surface water flow rates up to 7 ft per second
- Interchangeable components
- Made in USA

## OPERATION

When the sampler is submerged with the nozzle pointing into the flow, the water-sediment mixture flows through the nozzle into the bottle, forcing air to exhaust through the air vent hole in the cap. A continuous stream filament is discharged into the sample container during the entire time of submergence.



**CALL GEOTECH TODAY**  
**(800) 833-7958**

**Geotech Environmental Equipment, Inc.**  
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Geotech Number	Description	USGS/HIF Number
<b>DH-81 Sampler</b>		
71000056	KIT,DH81 ADAPTER,HDPE HANDLE, 3 - 1FT EXTENSIONS	4101024
<b>DH-81 Nozzles, Adapters, and Bottles</b>		
57500011	HOLDER CAP,NOZZLE,POLY,D77/DH81/D95/DH95	4107034
71000028	NOZZLE,DELRIN,3/16",D77/DH81/D95/DH95, 2.0-6.2FT/SE	4107084
71000029	NOZZLE,DELRIN,1/4",D77/DH81/D95/DH95, 1.5-7.6FT/SE	4107085
71000030	NOZZLE,DELRIN,5/16",D77/DH81/D95/DH95, 2.0-7.0FT/SE	4107086
71000003	HDPE,SINGLE BOTTLE,1 LITER,D77,DH81	4107020
71000002	HOLDER CAP,NOZZLE,TFE,D95/DH81	4107036
71000032	NOZZLE,PTFE,3/16",D77/DH81/D95/DH95, 2.0-6.2FT/SEC	4107087
71000031	NOZZLE,PTFE,1/4",D77/DH81/D95/DH95, 1.5-7.6FT/SEC	4107088
71000020	NOZZLE,PTFE,5/16",D77/DH81/D95/DH95, 2.0-7.0FT/SEC	4107089
71000007	BOTTLE,FEP,1 LITER,D95/DH81	4107021
<b>DH-81 Replacement Parts and Extensions</b>		
57500013	ADAPTER,DH81	4107002
71000050	WADING ROD,SS,EXTENSION,1',NON COATED	4107125
71000066	WADING ROD,SS,EXTENSION,3',NON COATED	4107132
71000068	WADING ROD,SS,EXTENSION,3FT,W/ HANDLE, NON COATED	4107127
71000067	WADING ROD,SS,EXTENSION,1' HEAT SHRINK COATED	4107126
71000017	WADING ROD,SS,EXTENSION,3'HEAT SHRINK COATED	4107133
71000012	WADING ROD,SS,EXTENSION,3FT,W/ HANDLEHEAT SHRINK COATED	4107131
71000055	HANDLE,HDPE,WADING ROD,DH81	4107130

Technical Specifications			
Nozzle	3/16"	1/4"	5/16"
<b>Velocity Range</b>	2.0 to 6.2 ft/sec	1.5 to 7.6 ft/sec	2.0 to 7.0 ft/ sec
<b>Total Length</b>	4 3/8"		
<b>Material</b>	Delrin or FEP		
<b>Wading Rod</b>			
<b>Length   Diameter</b>	12"   1/2"		
<b>Thread Type</b>	3/8-20		
<b>Material</b>	Stainless Steel		
<b>Handle with Grip</b>			
<b>Length   Diameter</b>	5"   1 1/4"		
<b>Thread Type</b>	3/8 -20		
<b>Material</b>	HDPE		
<b>Bottles</b>			
<b>Nominal volume</b>	1 Liter		
<b>Suggested Sample Volume</b>	800mL		
<b>Length   Diameter</b>	7.93"   3.85"		
<b>Material</b>	HDPE or FEP		
<b>Max Recommended Sample Depth</b>	12 ft at Sea Level		

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