Freshwater Creek TMDL HY 2003 Data Transfer Components:

- Hard Copy (Arranged by Station Number)
 - o Rainfall Data Summaries
 - Station Data Validation Ratings
 - Station Data Summary Report Includes (when applicable)
 - Station Visits (Continuous and Episodic)
 - Turbidity, SSC, and Discharge
 - Calculated Q
 - SSC/Discharge Plot
 - Turbidity/Discharge Plot
 - Stage Q Plot w/equations
 - Q Lookup Plot
 - Station Cross-section Plot
 - Continuous Turbidity and Depth Plots
 - Stage vs. Machine Depth Plot w/equations
 - Instrument Turbidity Printout
 - Instrument vs. Lab Turbidity
 - Turbidity vs. SSC
 - Station Sediment Data
 - Turbidity vs. SSC Log Plot
- CD Electronic Copy
 - o Rainfall Data
 - Data Validation Rating Codes Table
 - Continuous Sediment Data and Summary (Files by Station)
 - o ISCO Data, Summary and Lookup Tables (All Stations in one File)
 - o Machine Depth vs. Stage Data and Summary (All Stations in one File)
 - Station Sediment Data and Summary (All Stations in one File)

o Station Sediment and Flow Data and Summaries(All Station in one File)

TABLE 1. LISTING OF STATION DATA TRANSFER CD CONTENTS

Station	Continuous/ Episodic Station	Continuous Turbidimeter Data and Summary	Stage/Q Data, Plots and Lookup	Stage vs. Machine Depth Data and Plots	ISCO Lookup Data and Plots	Sediment Summary	Station Summary
Freshwater Creek							
500	С	cd	cd	cd	cd	cd	cd
501	С	HOLD	cd	cd	cd	cd	cd
502	С	HOLD	cd	cd	cd	cd	cd
503	С	cd	cd	cd	cd	cd	cd
504	С	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD
505	С	cd	cd	cd	cd	cd	cd
506	С	cd	cd	cd	cd	cd	cd
507	E	NONE	cd	NONE	NONE	cd	cd
508	E	NONE	cd	NONE	NONE	cd	cd

TABLE 2. LISTING OF FRESHWATER CREEK MONITORING STATIONS

NCWQCB Station Name	PALCO Station Number	General Description name
WQ-1	10-500	Incline A, unnamed tributary downstream of Stations 501 and 502
WQ-2	10-501	Incline B, Upper Freshwater Creek
WQ-3	10-502	Incline C, Upper Freshwater Creek
MG-1	10-503	McCready Gulch, upstream of the confluence with Freshwater Creek
MG-2	10-508	McCready Gulch, upstream of the confluence with Horse Gulch
HG-1	10-507	Horse Gulch, upstream of the confluence with McCready Gulch
CG-1	10-504	Cloney Gulch, upstream of the confluence with Freshwater Creek
GG-1	10-505	Graham Gulch, upstream of the confluence with Freshwater Creek
LF-1		Little Freshwater Creek, upstream of the confluence with Freshwater Creek (likely to be monitored by HSU)
SF-1	10-506	South Fork, upstream of the confluence with Freshwater Creek

TABLE 3. MONITORING PROGRAM SUMMARY

Station Type	Station	Parameter Measurements	Sampling Frequency	Sampling Duration
Continuous Measurement	McCready Gulch 1 (MG-1)	Continuous turbidity (in situ) and streamflow (stage-discharge relationships)	Continuous (every 15 minutes), with data downloads weekly	From November 4, 2002 until May 15,
Stations	Cloney Gulch (CG-1) Graham Gulch (GG-1)	Weekly depth-integrated point samples for lab turbidity and suspended sediment concentration	Weekly depth-integrated point samples at each station	2003
	S. Fork Freshwater Cr. (SF-1)	Stormflow grab sampling for lab turbidity only	Stormflow sampling (following 5 significant rainfall events)	
Grab Sampling (only) Stations	McCready Gulch 2 (MG-2)	Turbidity (grab field for weekly, and grab lab for stormflow)	Weekly scheduled samples and stormflow sampling (following 5 significant rainfall events)	From November 4, 2002 until May 15,
	Horse Gulch (HG-1)	Stage-discharge relationship	Significant rainfall events)	2003
	Cloney Gulch (CG-2)	Suspended sediment (depth-integrated point sample) – weekly samples only		
Continuous Rainfall	McCready Gulch 2 (MG-2)	Rainfall	15 minute intervals	Continuous
Measurement	S. Fork Freshwater Cr. (SF-1)			

TABLE 4. DATA VALIDATION RATING CODES

Raw data quality rating codes		Type of data recovery or correction codes		Quality of data recovery rating codes		
1	Good	1	No action necessary	0	No data to rate	
2	Questionable	2	No recovery possible (data loss)	1	No recovery necessary	
3	Unknown	3	Data questionable, but maintained	2	Good	
4	Error: Unknown	4	Interpolation	3	Fair	
5	Error: Equipment malfunction	5	Reconstruction	4	Poor	
6	Error: Equipment maintenance	6	Adjustment			
7	Error: Equipment calibration error					
8	Error: Equipment fouled/water depth					
9	Error: Other measurements being taken affecting readings	9	Other	9	Other	

HYDROLOGY DATA FLOW

