#### Freshwater Creek TMDL HY 2003 Data Transfer Components:

- Hard Copy (Arranged by Station Number)
  - o Rainfall Data Summaries
  - Station Data Validation Ratings
  - o 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
  - o Data Validation Rating Codes Table
  - o 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)
  - o Station Sediment Data and Summary (All Stations in one File)

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

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 1. LISTING OF STATION DATA TRANSFER CD CONTENTS

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

# 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	<b>Error: Equipment malfunction</b>	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

