Elk River TMDL HY 2003 Data Transfer Components:

- **Hard Copy (Arranged by Station Number)**
    - **Rainfall Data Summaries**
    - **Station Data Validation Rating Codes**
    - **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**
    - **Rainfall Data**
    - **Data Validation Rating Codes Table**
    - **Continuous Sediment Data and Summary (Files by Station)**
    - **ISCO Data, Summary and Lookup Tables (All Stations in one File)**
    - **Machine Depth vs. Stage Data and Summary (All Stations in one File)**
    - **Station Sediment Data and Summary (All Stations in one File)**
    - **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
Elk River							
183	C	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD
188	C	cd	cd	cd	cd	cd	cd
509	C	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD
510	C	cd	cd	cd	cd	cd	cd
511	C	cd	cd	cd	cd	cd	cd
512	C	cd	cd	cd	cd	cd	cd
517	C	cd	cd	cd	cd	cd	cd
522	C	cd	cd	cd	cd	cd	cd
513/525	E	NONE	cd	NONE	NONE	cd	cd
514	E	NONE	cd	NONE	NONE	cd	cd
515	E	NONE	cd	NONE	NONE	cd	cd
516	E	NONE	cd	NONE	NONE	cd	cd
518	E	NONE	cd	NONE	NONE	cd	cd
519	E	NONE	cd	NONE	NONE	cd	cd
520	E	NONE	cd	NONE	NONE	cd	cd
521	E	NONE	cd	NONE	NONE	cd	cd

TABLE 2. LISTING OF ELK RIVER MONITORING STATIONS

CG-1	20-513, 525	Clapp Gulch, upstream of the confluence with Mainstem Elk River
MS-1	20-509	Main Stem Elk River, approx at USGS gauging station and PALCO's trend Station 166
RR-1	20-514	Railroad Gulch, upstream of the confluence with Mainstem Elk River
SF-1	20-510	South Fork Elk River, approximately at PALCO's trend monitoring Station 175
SF-2	20-183	South Fork Elk River, at PALCO's THP Station 183 (assoc with THP 1-97-520 HUM)
SF-3	20-188	South Fork Elk River, PALCO's THP Station 188 (associated with THP 1-97-520 HUM)
CC-1	20-522	Corrigan Creek, upstream of the confluence with South Fork Elk River *(HSU operated)*
NF-1	20-511	North Fork Elk River, downstream of Bible Camp
DG-1	20-515	Dunlap Gulch, upstream of the confluence with North Fork Elk River
BG-1	20-516	Browns Gulch, upstream of the confluence with North Fork Elk River
BC-1	20-517	Bridge Creek, upstream of the confluence with North Fork Elk River *(HSU operated)*
SB-1	20-519	North Branch North Fork Elk River, upstream of confluence with North Fork Elk River
NF-2	20-521	North Fork Elk River, upstream of the confluence with North Branch North Fork Elk River
NB-1	20-518	South Branch North Fork Elk River, upstream of confluence with North Fork Elk River
NF-3	20-520	North Fork Elk River, upstream of the Turkey Foot road crossing

TABLE 3. MONITORING PROGRAM SUMMARY

Station Type	Station	Parameter Measurements	Sampling Frequency	Sampling Duration
Continuous Measurement Stations	Mainstem Elk River (MS-1) {EXISTING STATION} S. Fork Elk River 1 (SF-1) S. Fork Elk River 2 (SF-2) S. Fork Elk River 3 (SF-3) N. Fork Elk River 1 (NF-1) *To be installed and operated by Humboldt State University:* *Corrigan Creek 1 (CC-1)* *Bridge Creek 1 (BC-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 (except NF-1) Stormflow sampling (following 5 significant rainfall events)	From November 4, 2002 until May 15, 2003
Grab Sampling (only) Sites	Clapp Gulch (CG-1) Railroad Gulch (RR-1) Dunlap Gulch (DG-1) Brown's Gulch (BG-1) S. Branch of the North Fork Elk River (SB-1) N. Branch of the North Fork Elk River (NB-1) N. Fork Elk River headwaters (NF-2) N.Fork Headwaters (NF-3)	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
Storm Threshold Suspended Sediment	S. Fork Elk River 1 (SF-1) N. Branch of the North Fork Elk River (NF-1)	Suspended sediment concentration	Stage activitated (automated) sampling	Storm events
Continuous Rainfall Measurement	S. Fork Elk River 2 (SF-2) (Site 700) N. Branch of the North Fork Elk River (NB-1)) (Site 701)	Rainfall	15inute intervals	Continuous

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