

COMPILATION OF ALLUVIAL CHANNEL DATA:
LABORATORY AND FIELD

by
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Division of Engineering and Applied Science
CALIFORNIA INSTITUTE OF TECHNOLOGY
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PREFACE

In recent years, attempts have been made to develop numerical models for unsteady flows in channels with sediment transport. The work presented in Reports KH-R-43A and KH-R-43B was conducted to analyze two essential ingredients of any numerical model: the relationship between the hydraulic variables (slope, depth, and velocity), and the predictor of sediment concentration.

Report KH-R-43A presents a detailed analysis of the two components and examines their role in numerical modeling. Six hydraulic relationships and 13 sediment concentration predictors are examined and compared. New relationships are then developed which appear to be more accurate than the existing techniques. Finally, the new relationships are utilized in a numerical unsteady flow, moveable bed model which uses a four-point implicit finite difference solution scheme.

The data base utilized in the first report is presented in Report KH-R-43B. The data base contains 7,027 records (5,263 laboratory records and 1,764 field records), in 77 data files. Not all records were used in the final analyses, but they have been included in an attempt to provide a historically complete set of alluvial channel observations.

The material presented in these reports is essentially the same as the thesis submitted by the author in partial fulfillment of the requirements for the degree of Doctor of Philosophy. A common list of references, with data sources separated from other references, has been included in both reports.

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INTRODUCTION

Alluvial channel observations, for both laboratory and field conditions, which have been collected throughout the twentieth century have been reproduced in this report in a standard format. This data collection was inspired by the data compendium of Peterson and Howells (1973). The new effort includes corrections of errors in the earlier compendium; omission of inappropriate entries; and the addition of approximately 2500 new records, each of which consists of observations of 10 basic parameters. The data is available in a computer recognizable format through the William M. Keck Laboratory of Hydraulics at the California Institute of Technology.

Peterson and Howells (1973) are to be commended for taking the first step toward the development of a computerized data base. The task of locating data and reducing it to a common set of variables and units requires long hours of tedious work. The data collection of Peterson and Howells is essentially an update of the data collection of Johnson (1943).

Before any data set can be used with total satisfaction, all errors must be eliminated. A careful, item-by-item check suggests that four types of errors were made in the preparation of the Peterson and Howells (1973) compendium:

- (1) Incorrect individual entries -- these entries usually have incorrectly ordered digits or misplaced decimal points.

- (2) Conversion errors -- errors made in converting the data to a standard format, typically involving conversion of transport rates to sediment concentrations.
- (3) Misinterpretation of data -- this error usually involved whole columns of data, and probably occurred as a result of confusing notation in the data source.
- (4) Source errors -- errors originating from incorrect original publication of data, discovered by checks on internal consistency.

Also encountered were omissions of entries such as bed form and the gradation parameter (geometric standard deviation of bed particle size), which could be determined from the original data sources, even though they were not explicitly stated.

The following is a description of some of the apparent errors that were encountered. In the data of Sato, Kikkawa, and Ashida (1958) the grain size given in centimeters was read as millimeters. Therefore the values of the median sediment size given by Peterson and Howells must all be multiplied by 10 to obtain the correct values for this data set. The Straub (1954,1958) data set contains 3 concentration values which are a factor of 10 too high. For the data sets of Abdel-Aal and of Kalkanis (Abdel-Aal, 1972), and Vanoni and Hwang (1967), the values given for discharge are really flow velocity, and the slope and depth entries are interchanged. An incorrect interpretation of the transport rate of the Williams (1970) data as being given in dry unit weight per time instead of submerged weight resulted in an error of about 60 percent in the sediment concentration readings. The transport rate for the Indian Canal data (Chaudhry, Smith, and Vigil, 1970), given in metric tons, was read as English short tons, causing a 12 percent error

in sediment concentration.

In the development of a new data base from the Peterson and Howells (1973) compendium, a few sets of data were omitted, while many others were added. The sets were omitted either because the data were not applicable (one set of data was for transport of sludge), or because important variables were unavailable (one set contained no slope measurements). The sets that were added included newer data (e.g. Willis, 1979) and a large quantity of field data, such as the Colorado River data (U.S. Bureau of Reclamation, 1958) and the Rio Grande (Nordin and Beverage, 1965) data.

At this point it is worthwhile to define a few terms related to sediment transport, as used in this report.

Sediment concentration is the ratio of the sediment discharge to the discharge of the water-sediment mixture, both expressed in terms of mass per unit time, usually given as parts per million (ppm). For practical reasons, the density of the water-sediment mixture is taken to be approximately equivalent to the density of the water. This approximation will cause errors of less than one percent for concentrations less than 16,000 ppm. In this report, the concentration is used as a depth- and time-averaged (i.e. mean) value, unless specified otherwise.

Sediment load or total sediment load is the material being transported. The sediment load can be divided into wash load and bed-material load. The wash load is the fine material of sizes which are not found in appreciable quantities on the bed, and is not

considered to be dependent on the local hydraulics of the flow. As a practical definition, the wash load is considered to be the fraction of the sediment load finer than 0.062 mm. The bed-material load is the material of sizes which are found in appreciable quantities on the bed. The bed-material load can be conceptually divided into the bed load (that portion of the load that moves near the bed) and the suspended load (that portion of the load that moves in suspension), although the division is not precise.

Sediment transport rate is equivalent to the sediment discharge, which is expressed as mass per unit time.

The concentrations given in the data set and predicted by the transport formulas are for the bed-material load, including both bed load and suspended load. From this point onward the term concentration will refer to the bed-material-load concentration. Under field conditions this quantity is very difficult to measure; often the bed load portion is left unmeasured and must be estimated. In some cases, such as for some of the data of Mahmood et al. (1979), the estimated portion of the load may represent 80 percent of the concentration. In the case of the NEDECO (1973) data, the sampling procedure included material as fine as 0.05 mm, instead of the usual cutoff of 0.062 mm.

Ten variables, including bed form codes, are given for each observation. Bed form classifications are as given by Vanoni (1975, p. 160). Actual flume measurements, without adjustment for sidewall roughness, are given in the tables.

While great care has been taken to reduce all data sets to common

variables, in some cases it was not possible to achieve complete consistency between data sets. Space limitations do not permit a detailed account of all of the procedures and assumptions that were used to reduce each data set to common terms. Potential users of the data base are urged to consult the original sources of the data.

A listing of the data set is given in this report. The data is listed according to a standard format, and the number of digits given does not reflect the accuracy of the measurements. In some cases conversion from one system of measurement to another has created a large number of nonzero digits in individual entries. Where no data are available, a value of negative one (-1) is given.

The following information is provided, in a format similar to the format used by Peterson and Howells (1973):

Discharge	Water discharge in liters per second.
Width	Channel width in meters, taken as the top width for field channels, unless only a portion of the cross section was measured, in which case the width of the measured area is given.
Slope	Energy slope times 1000.
D_{50}	Median particle size of the bed material in millimeters.
Gradation	Geometric standard deviation of bed-particle size, $0.5(D_{84}/D_{50} + D_{50}/D_{16})$.
Spec. Grav.	Specific gravity of bed particles.
Conc.	Concentration of the bed-material load (does not include wash load), in ppm by mass.
Temp.	Temperature in degrees Celsius.

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bed form, according to the definition given in Vanoni (1975, p. 160), given by the code:

- 0 Not observed
- 1 Plane bed near of before initiation of motion.
- 2 Ripples
- 3 Dunes
- 4 Transition
- 5 Plane bed
- 6 Standing waves
- 7 Antidunes
- 8 Chute-pool

LABORATORY DATA

Detailed descriptions of the experimental procedures of each investigator are not provided here. Sources for the investigations conducted within the past 40 years can be obtained through most engineering or hydraulics libraries. Detailed descriptions of experimental procedures for work conducted prior to 1940 can be found in Johnson (1943).

Bed form information is based on the authors' descriptions of bed conditions, and when available, photographs and diagrams.

Uniform flow conditions are assumed for all runs except for the experiments of Gilbert (1914). For these historic experiments, the water surface slope was only measured for a small number of the runs, whereas bed slope was always measured. Therefore, three sets of Gilbert (1914) data have been provided. Set GIL contains all 889 records made for straight channels (some curved channel experiments were also conducted) where the slope given is bed slope. Where water surface slope was recorded along with bed slope, the energy slope has been calculated by the writer, and given in set GKA which is actually a subset of the observations given in set GIL. An even smaller subset consists of observation where the water surface slope differed by less than 10 percent from the bed slope. Flow conditions for these runs are considered to be uniform and are given in set GKB, where again energy slope has been provided.

FIELD DATA

The collection of field data is often a difficult and painstaking procedure. The reduction of a set of observations to 10 cross-sectionally averaged parameters is not a simple task. In some cases, a considerable amount of judgement is involved in standardizing a set of field observations. The following passages contain detailed descriptions of how each data source was used to obtain a standard set of records.

ACP - ACOP Data of Mahmood et al. (1979)

The data were recorded at seventeen study reaches on five canals in Pakistan. All entries were obtained from Appendix D, Summary of Data of Mahmood et al. (1979). The values of concentration are for "bed material load," as given in column 33 of the tables. These values were derived by the authors from depth-integrated suspended load measurements and modified Einstein calculations for the unmeasured portion of the load. Typically, the estimated portion represents 50 to 75 percent of the value of concentration. (For this reason, the data was not used in the analysis of transport formulas.)

In the analysis of hydraulic roughness, runs 100, 128, and 150 were found to give anomolous results, and were eliminated from the analysis. However, these values have not been deleted from the tables. The cross-sectional data suggests that these reaches were very nonuniform.

Bed form information has been provided as given by the authors. Flat bed was taken by the authors to be composed of bed forms of height

less than six inches. Only six observations of this type were made. All data seemed to fall within the lower regime in the analysis of roughness, suggesting that the flat beds actually were composed of small dunes.

AMC - American Canal Data of Simons (1957)

The data were obtained from the Simons thesis of May 1957. Total load measurements were made for 12 canals in Colorado, Nebraska, and Wyoming. Concentration measurements were made by means of depth-integrating samplers at hydraulic structures where sufficient turbulence was present to force the total load into suspension.

The data are sometimes referred to as "Simons and Bender data," and are also available in ASCE HY5, 1960.

ATC - Atchafalaya River Data of Toffaleti (1968)

Hydraulic observations and concentration values were obtained from Table B2 of the Toffaleti (1968) report. Concentration is the combination of measured suspended load concentration and the unmeasured load concentration calculated by the Toffaleti technique, as given in the last column of Table B2. The given concentration is for particles larger than 0.062 mm.

Median particle sizes and gradations of bed material were determined by the writer from the particle-size distributions of the bed material given in Table B1.

CHI - India Canal Data Published by Chitale (1966)

Data were obtained from Table 13 (Chitale, 1966, p. 366), and were originally published in the Central Board of India 1945 Annual Report (Technical), Publication No. 35, 175p.

Concentrations are the arithmetic average of 18 suspended sediment samples collected on three verticals of the cross-sections. The verticals were located at the center of the sections and at the intersections of the bed and the side slopes. The data were collected between May and October 1944. Since bed-particle sizes are in the silt range, no correction was made for wash load.

CHO/CHP - India Canal Data of Chaudry et al. (1970)

The data are for 9 canals in West Pakistan, collected under the Canal and Headworks Observation Program (CHOP) of the West Pakistan Water and Power Development Authority, 1962-1964, Lahore, West Pakistan.

Hydraulic observations were obtained from Table 1 of Chaudry et al. (1970), gradations were determined by the writer from the distributions in Table 2, and median particle sizes and concentrations (from "bed material discharge, estimated total") from columns iv and vii, respectively, in Table 3. The bed-material discharge was estimated from depth-integrated suspended-sediment measurements and modified Einstein calculations.

Two version of the data appear in the tables, CHO and CHP. The former version is a list of the data in the order given by the authors,

while the latter version is a list of the data ordered by increasing median particle size. The second version is given because the data can be conveniently grouped by particle sizes of about 0.1 mm, 0.2 mm, and 0.3 mm.

COL - Colorado R. Data of the U.S. Bureau of Reclamation (1958)

Hydraulic observations and median particle size are given in the "Summary of Data" tables of the original report. Particle gradations were determined by the writer from the particle-size distribution plots of the bed-material samples.

Concentrations were determined by the writer in the following manner:

1. The observed suspended load concentrations were adjusted by removing the wash-load portion, as determined from the fraction finer than 0.062 mm on the plots of size distribution of the suspended-load samples.
2. The unmeasured load concentration was determined from the "Percent Unmeasured Load" column 18 of the tables, the values of which were determined by the modified Einstein technique.
3. The values of concentration given in the tables are the sum of the unmeasured load concentration and the suspended-sand concentration.

Records 1-5 are for station RS 30A, 6-18 for station RS 33, 19-39 for the Needles Bridge Station, 40-50 for station RS 41, 51-61 for station RS 43, 62-93 for the Taylor's Ferry station, 94-125 for the Palo Verde Weir station, and 126-131 for the Adobe Ruins station. (The Taylor's Ferry data were used in the analyses.)

HII - Hii River Data of Shinohara and Tsubaki (1959)

The hydraulic observations, sediment transport rates, and median particle sizes were obtained from Table 2 of Shinohara and Tsubaki: (1959). Records 1-8 are for the station at Igaya, 9-12 at Kurihara, 13-18 at side channel A, 19, 20 at side Channel B, and 21-23 at side channel C. The remainder of the records are for accompanying laboratory experiments made in a wooden flume, recorded in Table 3. Bed-material gradations were estimated from 50 and 65 percentile particle sizes for channels A, B, and C. Other values of gradation were determined from the distributions shown in Figs. 2 and 3. Bed-material properties were averaged for a given station, and were not observed simultaneously with the other observations.

The field observations refer to test segments of the cross-sections, and are not for the entire cross section.

LEO - River Data of Leopold (1969)

No information is available about this data set. The data have been reproduced exactly as given by Peterson and Howells (1973).

MID - Middle Loup River Data of Hubbell and Matejka (1959)

These data were collected on the Middle Loup River at Dunning, Nebraska, upstream from the confluence with the Dismal River. A turbulence flume was constructed at the bridge on State Route 2. This

structure was designed to provide sufficient turbulence to cause the entire sediment load to become suspended. Therefore, it was possible to measure the total load with suspended load samplers.

The data appearing in this report were assembled by combining:

1. Sediment concentrations -- measured at the turbulence flume, Section D, and given in Table 3 of Hubbell and Matejka (1959). The bed-material concentration was determined by the writer by multiplying the fraction coarser than 0.062 mm times the total-load concentration.
2. Hydraulic and temperature observations -- obtained from Table 1, for Section E (downstream from the turbulence flume). Only coincident observations in Tables 1 and 3 have been retained.
3. Median bed-particle sizes and gradations -- determined from the size distributions for Section E given in Table 4. In a few cases, no bed sample was collected on a given date, and the observation for the nearest date was used.

MIS - Mississippi River Data of Toffaleti (1968)

Same as ATC data.

MOR - Missouri River Data of Shen et al. (1978)

The data were collected between 1966 and 1969, and in 1975. All values presented here were obtained from the information given in Table 1 of Shen et al. (1978). Sediment concentrations are not available. Bed form information was obtained from column 8, "percentage (of) bed (covered) with dunes." Beds with more than a 90 percent dune cover were labeled dune beds, beds with less than 10 percent dune coverage were labeled flat beds, and all others were considered to be transitional.

MOU - Mountain Creek Data of Einstein (1944)

Records 1-81 were obtained on Mountain Creek, a tributary of the Enoree River in Greenville County, South Carolina, August through November 1941. Records 82-100 were obtained on West Goose Creek in the Tallahatchie River basin approximately four miles west of Oxford, Mississippi, March 26 and 27, 1942. Essentially, the same procedure was used for measurements on both creeks.

The data given here were derived from the information in Table 3 of Einstein (1944) for Mountain Creek, and Table 8, for West Goose Creek. Width, depth and discharge are not published per se and had to be derived from other variables. Width was taken to be equivalent to the wetted perimeter of the bed. Depth was determined from area and width, and the approximation of the channel section as trapezoidal. Discharge was calculated by multiplying width times depth times mean velocity.

Complete hydraulic observations were not made for each record. Instead, a staff gage was read and curves were used to determine area, velocity, and wetted perimeter of the bed and walls. The velocity curves were determined from measurements of velocity made by means of floats.

Sediment discharge was measured by trapping sediment in a mesh covered hopper and pumping it into a weighing tank. As the mixture entered the weighing tank, the sediment settled to the bottom, while excess water was allowed to overflow. A water stage recorder was modified and calibrated to allow for a continuous record of the submerged weight of the sediment in the tank. Suspended load samples indicated that most of the sediment moved as bed load, and therefore this scheme adequately

measured the total load transport. Virtually all of the trapped material was coarser than 0.062 mm.

NED - Rio Magdalena and Canal del Dique Data of NEDECO (1973)

Records 1-52 were collected at 10 stations on the Rio Magdalena in Columbia, South America, and records 53-113 were collected at 10 stations on the Canal del Dique, also in Columbia. The data were obtained from Tables 3.3.1 and 3.3.2 (NEDECO, 1973, pp. 72, 76).

Sediment concentrations were measured with the aid of Delft bottle samplers. These samplers are designed so that water is allowed to pass through the sampler while sediment coarser than about 0.05 mm is trapped. These samplers therefore do not measure wash load, and no correction is necessary. However, the limit of 0.05 mm for wash load is lower than the more commonly used value of 0.062 mm. The bed-material concentration is based on numerical integration of pointwise samples.

Average bed-particle size properties are given for each station. The gradation parameter is based on the median and 65 percentile particle sizes and the log-normal distribution assumption.

NIO - Niobrara River Data of Colby and Hembree (1955)

These observations were made on the Niobrara River near Cody in northern Nebraska from 13 July 1949 through 8 July 1953. The river has a natural contracted section, cut in bedrock, and almost rectangular in cross-section. The flow is normally constricted by this section (except

during high flows), and the turbulence is sufficient to suspend nearly the total sediment discharge.

Sediment concentrations are based on depth-integrated samples collected at three verticals at the contracted section. Stream flow observations were made at the gaging-station section 580 m upstream from where the concentration was measured. The data given here were compiled by determining median particle size and gradation from the size distributions in Table 8 of Colby and Hembree (1955), hydraulic variables from the streamflow measurements in Table 4, and concentration and temperature values from Table 9.

Because streamflow measurements take a finite amount of time, slope was not measured on every day that other streamflow measurements were made. For records 12-14, 16-20, 24-27, 34, and 36-40, the slope values given represent observations made on other days, or the average of two observations if slope was measured shortly before and shortly after the other streamflow measurements.

The concentration measurements given here were not corrected for wash load. Thirty-four depth-integrated samples, collected on the same days concentration observations were made, contained an average of only 11.5 percent by weight finer than 0.062 mm. A correction was not included because distributions are not available for all days when concentrations were measured, and because those that are available represent particular samples and not composite values based on samples at the three verticals.

NSR - N. Saskatchewan R. and Elbow R. Data of Samide (1971)

The data were collected at irregularly shaped cross-sections on the North Saskatchewan River at Nordegg Bridge and on the Elbow River near the Village of Bragg Creek. Local velocity and depth were observed along the sections at stations 20 feet apart on the North Saskatchewan River and 10 feet apart on the Elbow River. Since the whole cross-section was not measured for either river, station observations are given with 20 foot widths (6.10 m) for the former river and 10 foot widths (3.05 m) for the latter river. Discharges in the tables were computed by multiplying the local velocities and depths given in Tables IV-1 and IV-2 by the assumed widths (distances between stations).

Values of concentration were determined by the writer from the values of "actual unit bed load discharge" given in Tables V-17 and V-18 of Samide (1971). Median particle size and gradation were determined by performing statistical analyses of the particle-size distributions of the bed-material samples given in Tables IV-3 and IV-4. Only observations with particle-size analyses have been included. Transport rates were determined with basket-type bed-load samplers, which should accurately measure bed-material load for gravel-bed rivers. Samples containing more than about ten percent sand have not been included, because of problems associated with the measurement of transport rates for streams with bimodal bed material.

Temperature measurements or estimates are not published, and the values given by Peterson and Howells (1973) have been retained.

OAK - Oak Creek Data of Milhous (1973)

These data were obtained from the Oregon State University PhD thesis of R.T. Milhous (1973). The 17 records presented here have been condensed from a much larger body of data. The condensation was necessary to reduce the data set to the common form.

Discharge, energy slope, temperature, and sediment concentration (from bed load discharge) were obtained from Tables I-1, I-3, and I-5. These tables also contain measurements of hydraulic radius but not width or mean depth. Values of hydraulic radius combined with the Manning n values obtained from Figure 9 of Milhous (1973) were used to determine the equivalent depth and width for a rectangular channel. Median particle size and geometric standard deviation were derived from the particle-size distributions given in Tables I-2, I-4, and I-6.

Bed load was sampled by using a vortex trough in the stream bed which transported the bed load material into a sampling pit adjacent to the stream. Although suspended load measurements were collected, no particle-size analyses have been published. It is therefore, not possible to ascertain the relative amounts of sand and silt. As a result, only those measurements where suspended load is negligible have been included here.

POR - Portugal River Data of Da Cunha (1969)

No information is available about this data set. The data have been reproduced exactly as given by Peterson and Howells (1973).

RED - Red River Data of Toffaleti (1968)

Same as ATC data.

RGC - Rio Grande Conveyance Channel Data of Culbertson et al. (1976)

The large body of data given by Culbertson et al. (1976) has been condensed to the 33 records of the standard format given here. Records 1 through 8 are a condensation of a set of hydraulic measurements made coincident with measurements of total load performed with a depth-integrating sampler at a weir. For the remaining records, total load is not available, and sample hydraulic measurements are given.

For records 1 through 8, discharge, width, depth, slope, and bed form observations have been obtained from Table 1, where they are identified as:

<u>Date</u>	<u>Sampling Section</u>
February 3, 1965	Reach
May 12, 1965	Reach
May 13, 1965	250
June 2, 1965	250
November 29, 1965	245
November 30, 1965	245
May 21, 1967	233
June 11, 1969	250

Sediment concentrations (obtained from Table 4) are averages of the samples collected at the weir, for a given day and discharge, for

particle sizes coarser than 0.062 mm. Bed material properties were obtained from the particle-size distributions given in Table 5. Where the hydraulic measurements represent a reach, the bed-material sample collected at the center of the reach has been used.

Records 9 through 33 provide a representative sample of the cross-sectional data given in Table 6. Section 240, near the center of the straightest portion of the study reach, was selected as a representative cross-section. All observations made at this station have been given here.

RGR - Rio Grande data of Nordin and Beverage (1965)

These data were obtained from 6 stations on the Rio Grande in New Mexico. The values of discharge, width, depth, slope, temperature, and sediment concentration can be found in Tables 1 through 6 of Nordin and Beverage (1965). The values of sediment concentration are for suspended load of sizes greater than 0.062 mm (obtained with depth-integrating samplers) with modified-Einstein bed load corrections. Bed sediment characteristics were obtained from Tables 7 through 12.

The data were collected at the following stations: records 1 through 18 at Otowi Bridge, near San Idelfonso; records 19 through 88 at Cochiti; records 89 through 158 at San Felipe; records 159 through 216 near Bernalillo; records 217 through 270 at Albuquerque; and records 271 through 293 near Belen.

RIO - Rio Grande near Bernalillo data given by Toffaleti (1968)

Same as ATC.

SNK - Snake and Clearwater River Data of Seitz (1976)

These observations were made on the Snake and Clearwater Rivers in the vicinity of Lewiston, Idaho. Bed load measurements were made using a Helley-Smith bed load sampler. Values of discharge, width, depth, slope can be found in Tables 5 and 6 of Seitz (1976). Temperature measurements can be found in Tables 3 and 4, and bed-material properties are found in Tables 11 and 12. The given sediment concentrations are based on the combination of bed load discharge samples (obtained with a Helley-Smith sampler), found in Tables 5 and 6, and suspended sediment samples (particle sizes greater than 0.062 mm) found in Tables 7 and 8.

Records 1 through 11 were obtained on the Snake River near Anatone, Washington, and records 12 through 21 were obtained on the Clearwater River at Spalding, Idaho. Five additional bed load measurements are available for the Clearwater River, for which no suspended samples were collected.

TRI - Trinity River Data of Knott (1974)

These data were obtained on the Trinity River in northern California, between December 1969 and February 1970. All data can be found in Table 6 of Knott (1974), except temperature. Given temperature values were obtained from the USGS series Water Resources Data for California. Bed load

discharge was measured with a Helley-Smith sampler. Since the bed material is essentially all gravel, the suspended load has been considered to be wash load, and is not included in the (bed-material) concentration.

Records 1 and 2 were obtained on the North Fork of the Trinity River near Helena, and records 3 and 4 were obtained on the South Fork of the Trinity River below Hyampom.

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Table 1 List of Investigators for Laboratory Data

<u>Data Code</u>	<u>Investigator(s)</u>	<u>Number of Records</u>	<u>Running Total</u>	<u>Page</u>
ABA	Abdel-Aal, F. M. (1969)	10	10	1B
BAL	Barton, J.R., Lin, P. N. (1955)	28	38	2B
BEN	Government of West Bengal (1965)	18	56	3B
BOY	Bogardi, J., Yen, C. H. (1936)	48	104	4B
BRO	Brooks, N. H., (1957) ¹	21	125	5B
CAS	Casey, H. J. (1935)	92	217	6B
CHY	Chyn, S.D. (1935)	32	249	8B
COS	Costello, W. R. (1974)	28	277	9B
DAV	Davies, T. R. (1971)	79	356	10B
EAC	Einstein, H. A., Chien, N. (1955)	16	372	12B
EPA	E. Pakistan Water and Power (1967)	68	440	13B
EPB	Gov. of E. Pakistan (1966,1968,1969)	56	496	15B
FOL	Foley, M. (1975)	12	508	17B
FRA	Franco, J. J. (1968)	19	527	18B
GIB	Gibbs, C. H., Niell, C. R. (1972)	9	536	19B
GIL	Gilbert, G. K. (1914)	889	1425	20B
GKA	Gilbert, G. K. (1914) Energy Slope	125	1550	37B
GKB	Gilbert, G. K. (1914) Uniform Flows	62	1612	40B
GUY	Guy, H. P., et al. (1966)	339	1951	42B
HIL	Hill, H. M., et al. (1969)	46	1997	49B
HPY	Ho, P. (1939)	80	2077	50B
JOR	Jorissen, A. L. (1938) ²	26	2103	52B
KAH	Kalinske, A., Hsia, C. (1945)	9	2112	53B
KAL	Kalkanis, G. (1957) ³	23	2135	54B
KEN	Kennedy, J. F. (1961)	41	2176	55B
KNB	Kennedy, J. F., Brooks, N. H. (1965)	9	2185	56B
LAU	Laursen, E. M. (1958)	24	2209	57B
MAV	Mavis, F. T., et al. (1937)	293	2502	58B
MCD	MacDougal, C. H. (1933) ²	74	2576	64B
MPR	Meyer-Peter, E., Muller, R. (1948)	135	2711	66B
MUT	Mutter, D.G. (1971)	28	2739	69B
NEI	Neill, C. R. (1967)	51	2790	70B
NOM	Nomicos G. (1957) ¹	30	2820	71B
NOR	Nordin. C. F. (1976)	62	2882	72B
OBR	O'Brien, M. P. (1936)	83	2965	74B
OJK	Onishi, Y., et al. (1972)	14	2979	76B
PAI	Paintal, A.S. (1971)	96	3075	77B
PRA	Pratt, C. J. (1970)	60	3135	79B
SAT	Sato, S., et al. (1958)	243	3378	81B

Table 1
-Continued-

<u>Data Code</u>	<u>Investigator(s)</u>	<u>Number of Records</u>	<u>Running Total</u>	<u>Page</u>
SIN	Singh, B. (1960)	305	3683	86B
SON	Soni, J. P. (1980)	23	3706	92B
STE	Stein, R. A. (1965)	56	3762	93B
STR	Straub, L. G. (1954, 1958)	24	3786	95B
TAY	Taylor, B. D. (1971)	39	3825	96B
VAB	Vanoni, V. A., Brooks, N. H. (1957)	15	3840	97B
VAH	Vanoni, V. A., Hwang, L.S. (1965) ⁴	16	3856	98B
WIL	Willis, J. C. (1979)	32	3888	99B
WLM	Williams, G. P. (1970)	177	4065	100B
WLS	Willis, J. C., et al. (1972)	96	4161	104B
WSA	US Waterways Exp. Sta. (1935A)	330	4491	106B
WSB	US Waterways Exp. Sta. (1936A)	102	4593	112B
WSL	US Waterways Exp. Sta. (1936C)	298	4891	114B
WSS	US Waterways Exp. Sta. (1936B)	313	5204	120B
WTT	US Waterways Exp. Sta. (1935B)	23	5227	126B
ZNA	Znamenskaya, N. S. (1963)	36	5263	127B

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1. Data source: Vanoni and Brooks (1957).
 2. Original reference does not contain data, actual data source: Johnson (1943).
 3. Data source: Abdel-Aal (1969).
 4. Data source: Vanoni and Hwang (1967).

Table 2 List of Investigators for Field Data

<u>Data Code</u>	<u>River and Investigator(s)</u>	<u>Number of Records</u>	<u>Running Total</u>	<u>Page</u>
ACP	ACOP Canal Mahmood, K., et al. (1979)	151	5414	128B
AMC	American Canal Simons, D. B. (1957)	11	5425	131B
ATC	Atchafalaya River Toffaletti, F. B. (1968)	72	5497	132B
CHI	Canal Data Chitale, S. V. (1966)	32	5529	134B
CHO	Chop Canals Chaudhry, et al. (1970)	33	5562	135B
CHP	Chop Canals Chaudhry, et al. (1970)	33	5595	136B
COL	Colorado River U. S. Bureau of Reclamation (1958)	131	5726	137B
HII	HII River Shinohara, K., Tsubaki, T. (1959)	38	5764	140B
LEO	River Data Leopold, L. B. (1969) ¹	72	5836	141B
MID	Middle Loup River Hubbell, D., Matejka, D. (1959)	38	5874	143B
MIS	Mississippi River Toffaletti, F. B. (1968)	165	6039	144B
MOR	Missouri River Shen, H. W., et al. (1978)	25	6064	147B
MOU	Mountain Creek Einstein, H. A. (1944)	100	6164	148B

Table 2
-Continued-

<u>Data Code</u>	<u>River and Investigator(s)</u>	<u>Number of Records</u>	<u>Running Total</u>	<u>Page</u>
NED	Rio Magdalena and Canal del Dique NEDCO (1973)	113	6277	150B
NIO	Niobrara River Colby, B.R., Hembree, C. H. (1955)	40	6317	153B
NSR	North Saskatchewan Riv. & Elbow Riv. Samide, G. W. (1971)	55	6372	154B
OAK	Oak Creek, Oregon Milhous, R. T. (1973)	17	6389	155B
POR	Portugal Rivers ¹ Da Cunha, L. V. (1969)	219	6608	156B
RED	Red River Toffaletti, F. B. (1968)	30	6638	160B
RGC	Rio Grande Conveyance Channel Culbertson, J. K., et al. (1976)	33	6671	161B
RGR	Rio Grande River Nordin, C.F., Beverage, C.P. (1965)	293	6964	162B
RIO	Rio Grande near Bernalillo, N.M. Toffaletti, F. B. (1968)	38	7002	168B
SNK	Snake and Clearwater River Seitz, H. R. (1976)	21	7023	169B
TRI	Trinity River Knott, J. M. (1974)	4	7027	170B

1. Data Source: Peterson and Howells (1973).

TABLE 3
LABORATORY DATA

ABA - DATA OF ABDEL-AAL, F.M. (1969)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	35.554	0.305	0.1311	2.5000	0.105	1.27	2.65	6500.0000	23.00	0
2	35.820	0.305	0.1402	2.2000	0.105	1.27	2.65	4300.0000	23.00	0
3	28.381	0.305	0.1189	2.3000	0.105	1.27	2.65	7000.0000	23.00	0
4	27.517	0.305	0.1311	1.7000	0.105	1.27	2.65	4500.0000	23.00	0
5	24.847	0.305	0.1189	2.1000	0.105	1.27	2.65	4700.0000	23.00	0
6	21.407	0.305	0.1280	2.0000	0.105	1.27	2.65	2750.0000	23.00	0
7	17.618	0.305	0.1036	2.2000	0.105	1.27	2.65	2750.0000	23.00	0
8	14.923	0.305	0.0945	1.8000	0.105	1.27	2.65	2700.0000	23.00	0
9	12.997	0.305	0.0933	2.1000	0.105	1.27	2.65	2200.0000	23.00	0
10	10.703	0.305	0.0914	1.9000	0.105	1.27	2.65	1200.0000	23.00	0

BAL - DATA OF BARTON, J.R. AND LIN, P.N. (1955)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	126.006	1.219	0.2377	0.8800	0.180	1.26	2.65	550.0000	14.30	2
2	99.106	1.219	0.1920	0.8660	0.180	1.26	2.65	482.0000	20.40	2
3	113.264	1.219	0.2103	0.8800	0.180	1.26	2.65	546.0000	17.90	2
4	155.738	1.219	0.2560	0.8800	0.180	1.26	2.65	630.0000	22.90	2
5	87.780	1.219	0.1981	0.8100	0.180	1.26	2.65	233.0000	21.30	2
6	56.632	1.219	0.1554	0.8800	0.180	1.26	2.65	256.0000	19.00	2
7	42.474	1.219	0.1402	0.8700	0.180	1.26	2.65	65.0000	20.30	2
8	55.499	1.219	0.2012	0.4400	0.180	1.26	2.65	19.0000	22.20	2
9	76.453	1.219	0.1372	1.5000	0.180	1.26	2.65	1226.0000	20.80	2
10	53.800	1.219	0.1219	1.5800	0.180	1.26	2.65	571.0000	21.60	2
11	37.943	1.219	0.1097	1.6100	0.180	1.26	2.65	302.0000	19.30	2
12	209.538	1.219	0.2103	1.5600	0.180	1.26	2.65	1941.0000	22.80	5
13	254.844	1.219	0.2286	1.6700	0.180	1.26	2.65	1827.0000	21.80	5
14	189.717	1.219	0.1859	1.6600	0.180	1.26	2.65	1926.0000	22.50	5
15	25.484	1.219	0.0914	1.6000	0.180	1.26	2.65	112.0000	22.90	2
16	257.675	1.219	0.2316	1.7000	0.180	1.26	2.65	1743.0000	20.20	5
17	209.538	1.219	0.1981	1.8300	0.180	1.26	2.65	1706.0000	26.20	5
18	229.360	1.219	0.2377	1.2400	0.180	1.26	2.65	1610.0000	24.60	5
19	201.044	1.219	0.2103	1.2500	0.180	1.26	2.65	1411.0000	24.70	5
20	59.464	1.219	0.1219	1.3500	0.180	1.26	2.65	1008.0000	24.30	2
21	74.754	1.219	0.1463	1.1600	0.180	1.26	2.65	903.0000	23.40	2
22	164.233	1.219	0.1829	1.2100	0.180	1.26	2.65	1061.0000	25.30	5
23	118.927	1.219	0.1250	1.2900	0.180	1.26	2.65	1641.0000	26.40	5
24	117.511	1.219	0.2225	0.8200	0.180	1.26	2.65	560.0000	26.00	2
25	203.875	1.219	0.3139	0.6100	0.180	1.26	2.65	561.0000	26.50	2
26	250.597	1.219	0.4206	0.6500	0.180	1.26	2.65	333.0000	25.40	2
27	203.875	1.219	0.1707	1.6000	0.180	1.26	2.65	2479.0000	25.70	5
28	215.202	1.219	0.1615	2.1000	0.180	1.26	2.65	3775.9958	26.10	5

BEN - DATA OF GOVT. OF W. BENGAL (1965)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	0.878	0.457	0.0137	1.0000	0.315	1.26	2.65	3.8000	29.00	0
2	1.161	0.457	0.0165	1.0000	0.315	1.26	2.65	3.9000	29.00	0
3	1.444	0.457	0.0183	1.0000	0.315	1.26	2.65	6.4000	29.00	0
4	1.586	0.457	0.0198	1.0000	0.315	1.26	2.65	15.5000	29.00	0
5	1.671	0.457	0.0213	1.0000	0.315	1.26	2.65	19.7000	29.00	0
6	2.095	0.457	0.0287	0.5000	0.315	1.26	2.65	2.4000	31.00	0
7	2.662	0.457	0.0329	0.5000	0.315	1.26	2.65	3.9000	31.00	0
8	3.143	0.457	0.0351	0.5000	0.315	1.26	2.65	5.2000	31.00	0
9	3.256	0.457	0.0363	0.5000	0.315	1.26	2.65	7.3000	31.00	0
10	3.539	0.457	0.0378	0.5000	0.315	1.26	2.65	10.2000	31.00	0
11	9.769	0.457	0.0878	0.2000	0.315	1.26	2.65	0.2000	24.00	0
12	13.450	0.457	0.1085	0.2000	0.315	1.26	2.65	0.7000	24.00	0
13	15.999	0.457	0.1234	0.2000	0.315	1.26	2.65	1.0000	24.00	0
14	16.706	0.457	0.1268	0.2000	0.315	1.26	2.65	1.1000	24.00	0
15	17.556	0.457	0.1347	0.2000	0.315	1.26	2.65	1.1000	24.00	0
16	18.689	0.457	0.1463	0.2000	0.315	1.26	2.65	1.3000	24.00	0
17	19.538	0.457	0.1512	0.2000	0.315	1.26	2.65	1.8000	24.00	0
18	21.520	0.457	0.1597	0.2000	0.315	1.26	2.65	2.6000	24.00	0

BOY - DATA OF BCGARDI, J. AND YEN, C.H. (1936)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	42.304	0.823	0.0521	23.2000	10.339	1.18	2.63	84.5960	11.00	0
2	41.483	0.823	0.0591	24.3000	10.339	1.18	2.63	307.5229	9.50	0
3	43.607	0.823	0.0604	24.8000	10.339	1.18	2.63	457.9319	10.00	0
4	37.943	0.823	0.0536	24.2000	10.339	1.18	2.63	120.1390	13.00	0
5	54.423	0.823	0.0780	19.0000	10.339	1.18	2.63	65.0700	13.80	0
6	62.352	0.823	0.0887	20.5000	10.339	1.18	2.63	228.8750	14.00	0
7	57.057	0.823	0.0826	20.8000	10.339	1.18	2.63	93.0110	14.00	0
8	58.897	0.823	0.0863	17.6000	10.339	1.18	2.63	86.0030	14.50	0
9	58.048	0.823	0.0829	17.7000	10.339	1.18	2.63	72.3180	15.00	0
10	61.587	0.823	0.0920	17.5000	10.339	1.18	2.63	202.9930	15.00	0
11	61.304	0.823	0.0887	17.5000	10.339	1.18	2.63	132.4580	14.50	0
12	63.853	0.823	0.0924	17.7000	10.339	1.18	2.63	193.3950	14.80	0
13	64.221	0.823	0.0896	17.6000	10.339	1.18	2.63	140.9040	17.00	0
14	49.525	0.823	0.0704	19.0000	10.339	1.18	2.63	129.1370	17.00	0
15	55.358	0.823	0.0756	19.4000	10.339	1.18	2.63	293.1270	17.00	0
16	46.665	0.823	0.0628	21.8000	10.339	1.18	2.63	414.7998	17.20	0
17	22.511	0.300	0.0704	20.0000	10.339	1.18	2.63	1010.0608	19.60	0
18	19.821	0.300	0.0838	15.5000	10.339	1.18	2.63	49.1630	19.30	0
19	29.024	0.300	0.0960	11.9000	10.339	1.18	2.63	13.8830	19.10	0
20	40.209	0.300	0.1292	13.2000	10.339	1.18	2.63	41.6260	19.20	0
21	30.723	0.823	0.0506	14.8000	6.849	1.11	2.61	32.1110	19.00	0
22	22.879	0.823	0.0402	14.3000	6.849	1.11	2.61	6.5420	19.00	0
23	43.748	0.823	0.0628	15.8000	6.849	1.11	2.61	407.0730	19.00	0
24	30.468	0.823	0.0469	17.2000	6.849	1.11	2.61	88.8760	19.00	0
25	36.952	0.823	0.0536	17.7000	6.849	1.11	2.61	421.1768	19.20	0
26	25.768	0.823	0.0402	19.9000	6.849	1.11	2.61	97.6950	20.00	0
27	25.711	0.823	0.0399	19.7000	6.849	1.11	2.61	85.0760	20.00	0
28	36.443	0.823	0.0500	20.2000	6.849	1.11	2.61	937.2148	20.00	0
29	25.258	0.823	0.0387	19.8000	6.849	1.11	2.61	85.9290	20.00	0
30	25.994	0.823	0.0393	22.9000	6.849	1.11	2.61	773.4438	20.00	0
31	21.152	0.823	0.0351	22.3000	6.849	1.11	2.61	148.2840	20.00	0
32	22.851	0.823	0.0357	22.8000	6.849	1.11	2.61	224.7950	19.50	0
33	42.162	0.823	0.0616	15.5000	6.849	1.11	2.61	109.9730	19.90	0
34	49.779	0.823	0.0738	14.5000	6.849	1.11	2.61	362.1938	19.80	0
35	35.820	0.823	0.0555	15.3000	6.849	1.11	2.61	40.4580	19.80	0
36	43.182	0.823	0.0616	15.9000	6.849	1.11	2.61	119.7450	19.60	0
37	27.467	0.300	0.0866	10.9000	6.849	1.11	2.61	263.1548	21.60	0
38	15.659	0.300	0.0567	14.1000	6.849	1.11	2.61	117.4960	21.60	0
39	65.920	0.300	0.1966	11.4000	15.191	1.11	2.64	13.6540	22.00	0
40	47.288	0.300	0.1362	14.3000	15.191	1.11	2.64	6.8170	22.50	0
41	51.394	0.300	0.1375	12.5000	15.191	1.11	2.64	30.5400	21.80	0
42	49.270	0.300	0.1298	11.2000	15.191	1.11	2.64	55.4600	21.00	0
43	38.566	0.300	0.1030	16.0000	15.191	1.11	2.64	79.2740	21.20	0
44	45.589	0.300	0.1143	18.6000	15.191	1.11	2.64	141.6860	20.80	0
45	31.459	0.300	0.0856	18.6000	15.191	1.11	2.64	102.7800	19.60	0
46	39.189	0.300	0.0942	20.9000	15.191	1.11	2.64	706.4280	19.80	0
47	33.130	0.300	0.0905	17.7000	15.191	1.11	2.64	187.1110	19.80	0
48	25.031	0.300	0.0722	19.5000	15.191	1.11	2.64	26.8950	20.00	0

BRO - DATA OF BROOKS, N.H. (1957)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CCNC. PPM	TEMP. DEG. C	BF
1	12.317	0.267	0.0741	2.5000	0.145	1.11	2.65	1950.0000	22.00	5
2	12.176	0.267	0.0719	2.4000	0.145	1.11	2.65	2450.0000	12.50	5
3	7.928	0.267	0.0549	3.1000	0.145	1.11	2.65	1900.0000	26.00	4
4	9.769	0.267	0.0594	2.4000	0.145	1.11	2.65	2450.0000	21.00	5
5	12.317	0.267	0.0741	2.1000	0.145	1.11	2.65	2150.0000	31.50	5
6	10.618	0.267	0.0732	2.3000	0.145	1.11	2.65	1500.0000	27.50	4
7	8.070	0.267	0.0747	2.6000	0.145	1.11	2.65	1100.0000	27.50	2
8	5.663	0.267	0.0762	2.0000	0.145	1.11	2.65	200.0000	24.00	2
9	5.805	0.267	0.0472	3.3000	0.145	1.11	2.65	2700.0000	26.00	4
10	10.477	0.267	0.0914	2.2000	0.145	1.11	2.65	720.0000	26.00	2
11	6.088	0.267	0.0600	3.5000	0.145	1.11	2.65	1200.0000	26.50	2
12	12.317	0.267	0.0719	2.2500	0.088	1.17	2.65	4850.0000	25.00	5
13	12.317	0.267	0.0719	2.2000	0.088	1.17	2.65	4900.0000	25.00	5
14	9.203	0.267	0.0576	2.4500	0.088	1.17	2.65	5100.0000	25.00	5
15	7.504	0.267	0.0689	2.8000	0.088	1.17	2.65	4000.0000	25.00	2
16	5.663	0.267	0.0570	3.3000	0.088	1.17	2.65	5300.0000	25.00	2
17	5.663	0.267	0.0850	1.3000	0.088	1.17	2.65	190.0000	25.00	2
18	5.663	0.267	0.0704	2.3500	0.088	1.17	2.65	1350.0000	25.00	2
19	9.344	0.267	0.0866	2.4000	0.088	1.17	2.65	3600.0000	25.00	2
20	14.724	0.267	0.0853	1.8500	0.088	1.17	2.65	3450.0000	25.20	5
21	7.504	0.267	0.0856	2.1500	0.088	1.17	2.65	1750.0000	25.00	2

CAS - DATA OF CASEY, H.J. (1935)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	6.003	0.400	0.0335	4.9900	2.460	1.16	2.65	1.6000	-1.00	0
2	6.909	0.400	0.0360	4.9900	2.460	1.16	2.65	4.6000	-1.00	0
3	6.711	0.400	0.0354	4.9400	2.460	1.16	2.65	4.7000	-1.00	0
4	7.617	0.400	0.0384	4.9100	2.460	1.16	2.65	81.6000	-1.00	0
5	9.174	0.400	0.0427	4.9600	2.460	1.16	2.65	661.5000	-1.00	0
6	10.590	0.400	0.0466	5.0500	2.460	1.16	2.65	714.8999	-1.00	0
7	12.487	0.400	0.0515	4.9800	2.460	1.16	2.65	422.8999	-1.00	0
8	14.696	0.400	0.0582	5.0000	2.460	1.16	2.65	959.8999	-1.00	0
9	18.802	0.400	0.0677	5.0900	2.460	1.16	2.65	1266.2998	-1.00	0
10	11.100	0.400	0.0472	5.0600	2.460	1.16	2.65	445.7998	-1.00	0
11	9.373	0.400	0.0415	5.0200	2.460	1.16	2.65	84.1000	-1.00	0
12	8.013	0.400	0.0378	5.0900	2.460	1.16	2.65	391.3999	-1.00	0
13	6.173	0.400	0.0323	4.9300	2.460	1.16	2.65	98.3000	-1.00	0
14	4.757	0.400	0.0271	4.9600	2.460	1.16	2.65	76.7000	-1.00	0
15	9.288	0.400	0.0530	2.5000	2.460	1.16	2.65	3.0000	-1.00	0
16	11.100	0.400	0.0582	2.5100	2.460	1.16	2.65	2.5000	-1.00	0
17	12.289	0.400	0.0628	2.5000	2.460	1.16	2.65	8.4000	-1.00	0
18	14.413	0.400	0.0668	2.5000	2.460	1.16	2.65	40.5000	-1.00	0
19	15.291	0.400	0.0738	2.5100	2.460	1.16	2.65	79.9000	-1.00	0
20	16.593	0.400	0.0771	2.4500	2.460	1.16	2.65	109.0000	-1.00	0
21	17.386	0.400	0.0796	2.4800	2.460	1.16	2.65	113.8000	-1.00	0
22	18.802	0.400	0.0835	2.4800	2.460	1.16	2.65	135.6000	-1.00	0
23	19.991	0.400	0.0872	2.4900	2.460	1.16	2.65	166.7000	-1.00	0
24	21.888	0.400	0.0920	2.5100	2.460	1.16	2.65	216.7000	-1.00	0
25	23.191	0.400	0.0951	2.5600	2.460	1.16	2.65	228.7000	-1.00	0
26	25.003	0.400	0.0981	2.9000	2.460	1.16	2.65	313.8999	-1.00	0
27	17.811	0.400	0.0789	2.4000	2.460	1.16	2.65	123.5000	-1.00	0
28	17.697	0.400	0.0796	2.5300	2.460	1.16	2.65	119.8000	-1.00	0
29	20.189	0.400	0.0887	2.4900	2.460	1.16	2.65	173.4000	-1.00	0
30	22.993	0.400	0.0960	2.5200	2.460	1.16	2.65	245.9000	-1.00	0
31	24.408	0.400	0.0985	2.5000	2.460	1.16	2.65	427.2998	-1.00	0
32	32.705	0.400	0.1219	2.5000	2.460	1.16	2.65	222.6000	-1.00	0
33	41.285	0.400	0.1378	2.5000	2.460	1.16	2.65	565.3999	-1.00	0
34	22.596	0.400	0.1170	1.2500	2.460	1.16	2.65	1.6000	-1.00	0
35	26.306	0.400	0.1283	1.3000	2.460	1.16	2.65	6.0000	-1.00	0
36	29.590	0.400	0.1387	1.3000	2.460	1.16	2.65	9.2000	-1.00	0
37	31.997	0.400	0.1475	1.2300	2.460	1.16	2.65	8.7000	-1.00	0
38	34.999	0.400	0.1567	1.2000	2.460	1.16	2.65	8.0000	-1.00	0
39	38.510	0.400	0.1655	1.1900	2.460	1.16	2.65	10.3000	-1.00	0
40	44.003	0.400	0.1759	1.2000	2.460	1.16	2.65	18.7000	-1.00	0
41	47.486	0.400	0.1826	1.2300	2.460	1.16	2.65	29.6000	-1.00	0
42	48.902	0.400	0.1875	1.1900	2.460	1.16	2.65	29.0000	-1.00	0
43	52.498	0.400	0.1942	1.2500	2.460	1.16	2.65	47.0000	-1.00	0
44	56.009	0.400	0.2063	1.2900	2.460	1.16	2.65	59.3000	-1.00	0
45	57.793	0.400	0.2192	1.2800	2.460	1.16	2.65	54.7000	-1.00	0
46	49.185	0.400	0.1871	1.4000	2.460	1.16	2.65	31.0000	-1.00	0
47	40.492	0.400	0.1814	1.2500	2.460	1.16	2.65	9.5000	-1.00	0
48	29.788	0.400	0.1448	1.2600	2.460	1.16	2.65	2.4000	-1.00	0
49	21.209	0.400	0.1167	1.2100	2.460	1.16	2.65	0.0190	-1.00	0
50	1.671	0.400	0.0131	5.0600	1.000	2.81	2.65	43.1000	-1.00	0
51	2.294	0.400	0.0168	5.0400	1.000	2.81	2.65	140.8000	-1.00	0
52	2.832	0.400	0.0192	5.0000	1.000	2.81	2.65	259.7000	-1.00	0
53	3.851	0.400	0.0235	4.8100	1.000	2.81	2.65	776.5000	-1.00	0
54	6.230	0.400	0.0317	5.0000	1.000	2.81	2.65	1824.2000	-1.00	0
55	12.487	0.400	0.0497	4.9700	1.000	2.81	2.65	2721.9968	-1.00	0

CAS - DATA OF CASEY, H.J. (1935)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	4.191	0.400	0.0244	5.1900	1.000	2.81	2.65	458.7998	-1.00	0
57	3.200	0.400	0.0204	4.9800	1.000	2.81	2.65	377.5000	-1.00	0
58	1.699	0.400	0.0137	5.0200	1.000	2.81	2.65	214.8000	-1.00	0
59	0.804	0.400	0.0091	5.0900	1.000	2.81	2.65	65.1000	-1.00	0
60	1.897	0.400	0.0158	2.5500	1.000	2.81	2.65	38.4000	-1.00	0
61	2.379	0.400	0.0183	2.5100	1.000	2.81	2.65	103.3000	-1.00	0
62	2.832	0.400	0.0207	2.5500	1.000	2.81	2.65	81.2000	-1.00	0
63	3.624	0.400	0.0247	2.5500	1.000	2.81	2.65	151.3000	-1.00	0
64	4.219	0.400	0.0287	2.5200	1.000	2.81	2.65	201.9000	-1.00	0
65	5.352	0.400	0.0335	2.4800	1.000	2.81	2.65	322.2000	-1.00	0
66	6.230	0.400	0.0363	2.4800	1.000	2.81	2.65	372.2998	-1.00	0
67	10.307	0.400	0.0512	2.3100	1.000	2.81	2.65	489.7000	-1.00	0
68	12.601	0.400	0.0600	2.4600	1.000	2.81	2.65	697.0000	-1.00	0
69	19.396	0.400	0.0835	2.3600	1.000	2.81	2.65	767.0999	-1.00	0
70	11.213	0.400	0.0549	2.6600	1.000	2.81	2.65	1022.5999	-1.00	0
71	6.371	0.400	0.0387	2.4900	1.000	2.81	2.65	112.7000	-1.00	0
72	4.559	0.400	0.0320	2.4800	1.000	2.81	2.65	36.1000	-1.00	0
73	3.370	0.400	0.0271	2.4800	1.000	2.81	2.65	10.4000	-1.00	0
74	2.152	0.400	0.0207	2.5400	1.000	2.81	2.65	9.1000	-1.00	0
75	3.964	0.400	0.0317	1.2000	1.000	2.81	2.65	10.5000	-1.00	0
76	4.870	0.400	0.0360	1.2100	1.000	2.81	2.65	15.1000	-1.00	0
77	6.145	0.400	0.0415	1.2500	1.000	2.81	2.65	42.5000	-1.00	0
78	7.645	0.400	0.0482	1.2700	1.000	2.81	2.65	64.9000	-1.00	0
79	9.401	0.400	0.0561	1.2500	1.000	2.81	2.65	82.9000	-1.00	0
80	11.043	0.400	0.0655	1.2900	1.000	2.81	2.65	96.2000	-1.00	0
81	13.988	0.400	0.0796	1.2100	1.000	2.81	2.65	117.2000	-1.00	0
82	16.706	0.400	0.0887	1.3100	1.000	2.81	2.65	109.0000	-1.00	0
83	19.198	0.400	0.0985	1.2500	1.000	2.81	2.65	156.5000	-1.00	0
84	21.010	0.400	0.1085	1.2300	1.000	2.81	2.65	129.6000	-1.00	0
85	12.204	0.400	0.0735	1.2500	1.000	2.81	2.65	46.1000	-1.00	0
86	12.063	0.400	0.0735	1.2600	1.000	2.81	2.65	46.7000	-1.00	0
87	25.909	0.400	0.1210	1.3000	1.000	2.81	2.65	195.4000	-1.00	0
88	29.902	0.400	0.1301	1.8500	1.000	2.81	2.65	314.2000	-1.00	0
89	15.914	0.400	0.0911	1.2000	1.000	2.81	2.65	45.5000	-1.00	0
90	11.298	0.400	0.0704	1.2500	1.000	2.81	2.65	33.0000	-1.00	0
91	9.061	0.400	0.0616	1.2000	1.000	2.81	2.65	19.3000	-1.00	0
92	5.748	0.400	0.0472	1.1900	1.000	2.81	2.65	10.0000	-1.00	0

CHY - DATA OF CHYN, S.D. (1935)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	12.289	0.610	0.0539	1.5200	0.790	1.58	2.65	138.5000	22.50	5
2	13.677	0.610	0.0564	1.5700	0.790	1.58	2.65	169.0000	21.20	2
3	15.319	0.610	0.0610	1.6100	0.790	1.58	2.65	192.7000	20.20	2
4	18.858	0.610	0.0698	1.5700	0.790	1.58	2.65	211.5000	18.90	2
5	35.961	0.610	0.1006	2.0000	0.790	1.58	2.65	345.0000	18.50	3
6	15.007	0.610	0.0567	1.8500	0.790	1.58	2.65	292.2000	18.40	2
7	15.121	0.610	0.0521	2.4700	0.790	1.58	2.65	575.2000	21.00	2
8	14.781	0.610	0.0469	3.0000	0.790	1.58	2.65	750.5999	22.20	2
9	15.715	0.610	0.0591	1.4600	0.790	1.58	2.65	243.0000	22.20	2
10	15.574	0.610	0.0631	1.2000	0.790	1.58	2.65	174.7000	21.80	5
11	15.347	0.610	0.0549	2.0000	0.790	1.58	2.65	476.5000	21.80	2
12	15.319	0.610	0.0552	1.8100	0.790	1.58	2.65	371.8999	22.40	2
13	19.311	0.610	0.0628	2.3800	0.840	1.23	2.65	349.8999	22.40	2
14	18.717	0.610	0.0634	2.0600	0.840	1.23	2.65	327.5000	24.80	2
15	18.830	0.610	0.0701	1.5000	0.840	1.23	2.65	184.0000	23.90	2
16	19.000	0.610	0.0728	1.3300	0.840	1.23	2.65	166.3000	25.00	2
17	18.915	0.610	0.0735	1.1000	0.840	1.23	2.65	123.2000	23.00	2
18	12.544	0.610	0.0506	1.5900	0.840	1.23	2.65	135.7000	24.70	2
19	15.489	0.610	0.0582	1.6300	0.840	1.23	2.65	217.0000	27.00	2
20	18.915	0.610	0.0680	1.6900	0.840	1.23	2.65	249.3000	26.00	3
21	22.341	0.610	0.0780	1.6800	0.840	1.23	2.65	317.2000	26.60	3
22	29.873	0.610	0.0890	1.7800	0.840	1.23	2.65	303.7998	26.50	3
23	19.085	0.610	0.0607	2.4700	0.590	2.42	2.65	718.7000	23.60	2
24	19.142	0.610	0.0652	1.9100	0.590	2.42	2.65	519.0999	23.60	2
25	19.000	0.610	0.0689	1.4500	0.590	2.42	2.65	249.4000	27.00	2
26	18.830	0.610	0.0713	1.2900	0.590	2.42	2.65	186.9000	26.90	2
27	18.717	0.610	0.0725	1.1100	0.590	2.42	2.65	99.4000	25.50	2
28	15.545	0.610	0.0579	1.6000	0.590	2.42	2.65	277.3999	24.50	2
29	12.657	0.610	0.0503	1.6300	0.590	2.42	2.65	168.7000	25.00	2
30	19.057	0.610	0.0664	1.6100	0.590	2.42	2.65	290.8999	24.00	2
31	22.370	0.610	0.0753	1.6300	0.590	2.42	2.65	326.8999	24.60	2
32	30.638	0.610	0.0908	1.6600	0.590	2.42	2.65	308.5999	24.80	3

COS - DATA OF COSTELLO, W.R. (1974)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	39.000	0.915	0.1480	0.4700	0.510	1.08	2.65	0.0940	31.00	2
2	42.500	0.915	0.1495	0.5600	0.510	1.08	2.65	1.6790	31.00	2
3	44.400	0.915	0.1525	0.5400	0.510	1.08	2.65	4.3070	31.00	2
4	48.400	0.915	0.1530	0.6100	0.510	1.08	2.65	6.7870	30.00	4
5	46.400	0.915	0.1475	0.5900	0.510	1.08	2.65	2.7510	31.00	4
6	56.000	0.915	0.1515	0.6800	0.510	1.08	2.65	8.7250	30.00	4
7	60.100	0.915	0.1470	0.7700	0.510	1.08	2.65	12.9260	30.00	4
8	46.400	0.915	0.1585	0.3700	0.600	1.09	2.65	0.4730	31.00	1
9	50.500	0.915	0.1600	0.4000	0.600	1.09	2.65	6.2690	31.00	1
10	53.900	0.915	0.1595	0.4200	0.600	1.09	2.65	5.2800	31.00	4
11	59.900	0.915	0.1520	0.5400	0.600	1.09	2.65	27.8010	31.00	4
12	65.300	0.915	0.1470	0.7600	0.600	1.09	2.65	68.4080	31.00	3
13	66.700	0.915	0.1450	0.9000	0.600	1.09	2.65	63.4740	31.00	3
14	50.300	0.915	0.1580	0.3700	0.660	1.05	2.65	5.4030	28.00	1
15	53.000	0.915	0.1635	0.3900	0.660	1.05	2.65	5.1620	29.00	1
16	56.300	0.915	0.1525	0.4500	0.660	1.05	2.65	10.9540	28.00	4
17	58.300	0.915	0.1535	0.4900	0.660	1.05	2.65	61.1780	28.00	4
18	46.900	0.915	0.1580	0.2900	0.660	1.05	2.65	0.8190	29.00	1
19	60.300	0.915	0.1460	0.6900	0.660	1.05	2.65	35.9320	29.00	4
20	64.400	0.915	0.1405	1.0100	0.660	1.05	2.65	93.1620	29.00	3
21	50.300	0.915	0.1540	0.2200	0.790	1.08	2.66	0.7460	27.00	1
22	52.600	0.915	0.1610	0.3400	0.790	1.08	2.66	2.1050	27.00	1
23	56.300	0.915	0.1590	0.4600	0.790	1.08	2.66	4.6810	27.00	1
24	59.900	0.915	0.1520	0.5000	0.790	1.08	2.66	12.2360	27.00	4
25	60.300	0.915	0.1470	0.5100	0.790	1.08	2.66	25.5990	27.00	4
26	58.300	0.915	0.1550	0.4800	0.790	1.08	2.66	5.3680	27.00	4
27	62.700	0.915	0.1400	0.7700	0.790	1.08	2.66	102.0800	28.00	3
28	66.500	0.915	0.1560	0.6100	0.790	1.08	2.66	89.4770	28.00	3

DAV - DATA OF DAVIES, T.R. (1971)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	47.005	1.372	0.1524	0.3580	0.150	1.17	2.65	3.9000	21.00	0
2	50.969	1.372	0.1524	0.4130	0.150	1.17	2.65	3.9000	23.00	0
3	54.084	1.372	0.1524	0.4900	0.150	1.17	2.65	6.7000	21.50	0
4	57.198	1.372	0.1524	0.5530	0.150	1.17	2.65	11.3000	20.00	0
5	62.861	1.372	0.1524	0.6000	0.150	1.17	2.65	19.8000	21.00	0
6	60.596	1.372	0.1524	0.5350	0.150	1.17	2.65	14.7000	20.00	0
7	66.259	1.372	0.1524	0.6550	0.150	1.17	2.65	26.5000	21.00	0
8	69.940	1.372	0.1524	0.8100	0.150	1.17	2.65	61.3000	19.00	0
9	68.242	1.372	0.1524	0.7150	0.150	1.17	2.65	39.8000	19.00	0
10	66.826	1.372	0.1524	0.6550	0.150	1.17	2.65	30.1000	19.50	0
11	70.224	1.372	0.1524	0.7000	0.150	1.17	2.65	45.0000	18.00	0
12	70.790	1.372	0.1524	0.7600	0.150	1.17	2.65	48.3000	18.00	0
13	71.923	1.372	0.1524	0.7800	0.150	1.17	2.65	52.5000	17.00	0
14	73.905	1.372	0.1524	0.7500	0.150	1.17	2.65	80.0000	16.00	0
15	75.887	1.372	0.1524	0.8400	0.150	1.17	2.65	77.5000	17.00	0
16	77.019	1.372	0.1524	0.8050	0.150	1.17	2.65	81.5000	16.00	0
17	79.002	1.372	0.1524	0.9190	0.150	1.17	2.65	124.0000	16.00	0
18	85.514	1.372	0.1524	1.0300	0.150	1.17	2.65	200.0000	15.00	0
19	89.195	1.372	0.1524	1.0800	0.150	1.17	2.65	301.0000	13.00	0
20	94.292	1.372	0.1524	1.1200	0.150	1.17	2.65	527.0000	15.00	0
21	99.339	1.372	0.1524	1.1800	0.150	1.17	2.65	670.0000	12.00	0
22	104.486	1.372	0.1524	1.1700	0.150	1.17	2.65	620.0000	12.00	0
23	107.034	1.372	0.1524	1.1500	0.150	1.17	2.65	722.0000	13.00	0
24	110.149	1.372	0.1524	1.0600	0.150	1.17	2.65	783.0000	14.00	0
25	152.906	1.372	0.1524	0.9200	0.150	1.17	2.65	1425.0000	18.00	0
26	147.526	1.372	0.1524	0.7500	0.150	1.17	2.65	1375.0000	15.00	0
27	140.164	1.372	0.1524	0.8600	0.150	1.17	2.65	1113.0000	17.00	0
28	159.136	1.372	0.1524	0.7500	0.150	1.17	2.65	1386.0000	15.00	0
29	165.649	1.372	0.1524	0.8900	0.150	1.17	2.65	1646.0000	18.00	0
30	95.425	1.372	0.3048	0.1100	0.150	1.17	2.65	0.8000	16.00	0
31	110.999	1.372	0.3048	0.1670	0.150	1.17	2.65	0.9000	20.00	0
32	118.361	1.372	0.3048	0.1570	0.150	1.17	2.65	2.3000	20.00	0
33	127.422	1.372	0.3048	0.2630	0.150	1.17	2.65	7.1000	20.00	2
34	137.616	1.372	0.3048	0.3350	0.150	1.17	2.65	21.6000	10.00	2
35	146.394	1.372	0.3048	0.2560	0.150	1.17	2.65	22.5000	17.00	2
36	152.906	1.372	0.3048	0.2750	0.150	1.17	2.65	30.9000	14.00	2
37	159.136	1.372	0.3048	0.2480	0.150	1.17	2.65	38.7000	20.00	2
38	229.360	1.372	0.3048	0.4600	0.150	1.17	2.65	890.0000	18.00	2
39	165.649	1.372	0.3048	0.3550	0.150	1.17	2.65	52.6000	20.50	2
40	176.975	1.372	0.3048	0.3900	0.150	1.17	2.65	87.4000	20.00	2
41	191.133	1.372	0.3048	0.4600	0.150	1.17	2.65	161.0000	18.50	2
42	208.972	1.372	0.3048	0.4950	0.150	1.17	2.65	295.0000	18.00	2
43	222.847	1.372	0.3048	0.5650	0.150	1.17	2.65	370.0000	19.50	2
44	227.094	1.372	0.3048	0.5900	0.150	1.17	2.65	354.0000	20.00	2
45	234.456	1.372	0.3048	0.6960	0.150	1.17	2.65	366.0000	22.00	3
46	234.456	1.372	0.3048	0.8550	0.150	1.17	2.65	438.0000	20.50	3
47	246.915	1.372	0.3048	0.6300	0.150	1.17	2.65	553.0000	26.00	3
48	263.622	1.372	0.3048	0.6990	0.150	1.17	2.65	709.0000	28.00	3
49	271.550	1.372	0.3048	0.5660	0.150	1.17	2.65	786.0000	26.50	3
50	282.594	1.372	0.3048	1.0000	0.150	1.17	2.65	779.0000	25.00	3
51	293.070	1.372	0.3048	0.8300	0.150	1.17	2.65	805.0000	25.00	4
52	302.981	1.372	0.3048	0.8750	0.150	1.17	2.65	969.0000	27.00	4
53	314.307	1.372	0.3048	0.9450	0.150	1.17	2.65	650.0000	28.00	4
54	322.802	1.372	0.3048	1.0400	0.150	1.17	2.65	681.0000	28.00	4
55	322.802	1.372	0.3048	1.0400	0.150	1.17	2.65	696.0000	29.00	4

DAV - DATA OF DAVIES, T.R. (1971)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SFEC. GRAV.	CCNC. PPM	TEMP. DEG. C	BF
56	52.101	1.372	0.1646	0.4400	0.150	1.17	2.65	5.4000	21.00	2
57	55.782	1.372	0.1646	0.4700	0.150	1.17	2.65	7.1000	21.50	2
58	61.729	1.372	0.1646	0.5250	0.150	1.17	2.65	9.9000	16.00	2
59	67.675	1.372	0.1646	0.5610	0.150	1.17	2.65	22.4000	18.00	2
60	72.772	1.372	0.1646	0.6500	0.150	1.17	2.65	39.9000	17.00	2
61	78.435	1.372	0.1646	0.7300	0.150	1.17	2.65	71.2000	18.50	2
62	83.249	1.372	0.1646	0.7900	0.150	1.17	2.65	93.9000	20.00	2
63	104.486	1.372	0.1646	1.1500	0.150	1.17	2.65	559.0000	20.00	2
64	107.034	1.372	0.1524	1.1300	0.150	1.17	2.65	597.0000	20.50	2
65	142.996	1.372	0.1524	0.8700	0.150	1.17	2.65	1000.0000	22.50	4
66	25.484	1.372	0.0762	1.1000	0.150	1.17	2.65	28.1000	20.00	2
67	41.341	1.372	0.0762	1.9400	0.150	1.17	2.65	466.0000	20.00	2
68	33.413	1.372	0.0762	1.7800	0.150	1.17	2.65	248.0000	16.00	2
69	37.943	1.372	0.0762	2.0000	0.150	1.17	2.65	386.0000	16.50	2
70	28.599	1.372	0.0762	1.3700	0.150	1.17	2.65	70.2000	15.00	2
71	44.456	1.372	0.0762	2.6700	0.150	1.17	2.65	1350.0000	15.50	2
72	39.926	1.372	0.0762	1.9000	0.150	1.17	2.65	560.0000	18.50	0
73	42.757	1.372	0.0762	2.2000	0.150	1.17	2.65	470.0000	14.00	0
74	43.890	1.372	0.0762	2.3600	0.150	1.17	2.65	970.0000	15.00	0
75	45.306	1.372	0.0762	2.5100	0.150	1.17	2.65	1210.0000	14.50	0
76	46.863	1.372	0.0762	2.4400	0.150	1.17	2.65	1420.0000	14.00	0
77	48.420	1.372	0.0762	2.4500	0.150	1.17	2.65	1650.0000	13.50	0
78	49.836	1.372	0.0762	2.4100	0.150	1.17	2.65	1620.0000	13.50	0
79	51.535	1.372	0.0762	2.4000	0.150	1.17	2.65	1760.0000	14.50	3

EAC - DATA OF EINSTEIN AND CHIEN (1955)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	79.287	0.307	0.1381	14.1000	1.300	1.11	2.65	5500.0000	22.22	0
2	74.473	0.307	0.1195	19.3000	1.300	1.11	2.65	11055.0000	17.22	0
3	74.473	0.307	0.1164	20.9000	1.300	1.11	2.65	14420.0000	19.44	0
4	74.190	0.307	0.1152	23.7000	1.300	1.11	2.65	22271.0000	22.78	0
5	73.907	0.307	0.1085	25.8000	1.300	1.11	2.65	35970.0000	18.33	0
6	82.968	0.307	0.1423	14.3000	0.940	1.17	2.65	2543.0000	26.11	0
7	82.402	0.307	0.1414	14.2000	0.940	1.17	2.65	12667.0000	20.00	0
8	81.269	0.307	0.1387	14.0000	0.940	1.17	2.65	4240.0000	20.28	0
9	80.137	0.307	0.1341	15.3000	0.940	1.17	2.65	9384.0000	23.33	0
10	79.570	0.307	0.1283	17.3000	0.940	1.17	2.65	14640.0000	26.11	0
11	78.438	0.307	0.1332	13.1000	0.274	1.22	2.65	8234.0000	21.39	0
12	78.155	0.307	0.1320	12.4000	0.274	1.22	2.65	17050.0000	21.67	0
13	77.305	0.307	0.1332	12.8000	0.274	1.22	2.65	20384.0000	21.67	0
14	77.305	0.307	0.1241	17.0000	0.274	1.22	2.65	25660.0000	20.56	0
15	77.305	0.307	0.1241	16.7000	0.274	1.22	2.65	41027.0000	18.89	0
16	75.040	0.307	0.1192	18.7000	0.274	1.22	2.65	52238.0000	17.78	0

EPA - DATA OF E. PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY (1967)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	64.560	1.219	0.1524	0.3300	0.440	1.69	2.65	0.0	24.50	0
2	122.891	1.219	0.3048	0.1370	0.440	1.69	2.65	0.0	24.00	0
3	98.823	1.219	0.2545	0.1520	0.440	1.69	2.65	0.0	20.50	0
4	137.616	1.219	0.3048	0.1820	0.440	1.69	2.65	0.0	21.00	0
5	62.295	1.219	0.1780	0.1970	0.440	1.69	2.65	0.0	23.00	0
6	112.698	1.219	0.2100	1.1360	0.440	1.69	2.65	32.0000	25.00	0
7	144.978	1.219	0.2432	1.7100	0.440	1.69	2.65	71.0000	25.50	0
8	134.784	1.219	0.2289	1.6060	0.440	1.69	2.65	48.0000	25.00	0
9	128.271	1.219	0.2216	1.2420	0.440	1.69	2.65	38.0000	26.00	0
10	187.169	1.219	0.3118	1.1830	0.440	1.69	2.65	75.0000	27.00	0
11	153.473	1.219	0.2499	1.3300	0.440	1.69	2.65	73.0000	29.00	0
12	141.580	1.219	0.3048	0.6800	0.440	1.69	2.65	0.0	31.00	0
13	169.896	1.219	0.3048	0.7000	0.440	1.69	2.65	38.0000	30.00	0
14	198.212	1.219	0.3048	1.5000	0.440	1.69	2.65	71.0000	31.00	0
15	226.528	1.219	0.3048	2.4600	0.440	1.69	2.65	163.0000	31.00	0
16	237.854	1.219	0.3048	2.8200	0.440	1.69	2.65	122.0000	31.00	0
17	254.844	1.219	0.3048	3.3000	0.440	1.69	2.65	172.0000	30.00	0
18	84.948	1.219	0.1524	0.6000	0.440	1.69	2.65	54.0000	25.50	0
19	99.106	1.219	0.1524	1.6500	0.440	1.69	2.65	46.0000	25.00	0
20	113.264	1.219	0.1524	3.0500	0.440	1.69	2.65	116.0000	26.00	0
21	127.422	1.219	0.1981	3.0600	0.440	1.69	2.65	231.0000	25.50	0
22	141.580	1.219	0.2103	3.1200	0.440	1.69	2.65	103.0000	25.50	0
23	169.896	1.219	0.2347	3.4500	0.440	1.69	2.65	125.0000	27.00	0
24	184.054	1.219	0.2256	3.5000	0.440	1.69	2.65	334.0000	28.00	0
25	223.696	1.219	0.2819	3.6800	0.440	1.69	2.65	332.0000	26.50	0
26	240.686	1.219	0.3048	3.6500	0.440	1.69	2.65	830.0000	29.00	0
27	254.844	1.219	0.2996	3.8000	0.440	1.69	2.65	854.0000	30.50	0
28	20.104	0.381	0.1524	0.5300	0.160	1.42	2.65	0.0	34.00	0
29	17.839	0.381	0.1524	0.2300	0.160	1.42	2.65	0.0	25.50	0
30	18.405	0.381	0.1524	0.3800	0.160	1.42	2.65	0.0	25.50	0
31	18.689	0.381	0.1524	0.6100	0.160	1.42	2.65	0.0	27.00	0
32	18.405	0.381	0.1524	0.4600	0.160	1.42	2.65	0.0	27.00	0
33	18.122	0.381	0.1524	0.3800	0.160	1.42	2.65	0.0	26.00	0
34	18.405	0.381	0.1524	0.3800	0.160	1.42	2.65	0.0	25.50	0
35	18.405	0.381	0.1524	0.3800	0.160	1.42	2.65	0.0	25.50	0
36	17.556	0.381	0.1494	0.5300	0.160	1.42	2.65	0.0	26.00	0
37	17.556	0.381	0.1433	0.6900	0.160	1.42	2.65	0.0	25.50	0
38	17.839	0.381	0.1372	0.9100	0.160	1.42	2.65	0.0	26.00	0
39	18.122	0.381	0.1311	1.1000	0.160	1.42	2.65	0.0	26.00	0
40	17.839	0.381	0.1280	1.1000	0.160	1.42	2.65	0.0	25.50	0
41	17.839	0.381	0.1158	1.5000	0.160	1.42	2.65	0.0	25.50	0
42	17.556	0.381	0.1524	0.4100	0.160	1.42	2.65	68.5000	25.50	0
43	17.273	0.381	0.1472	0.5200	0.160	1.42	2.65	60.0000	25.50	0
44	17.273	0.381	0.1420	0.6500	0.160	1.42	2.65	70.0000	25.50	0
45	17.556	0.381	0.1372	0.9300	0.160	1.42	2.65	57.0000	21.50	0
46	16.990	0.381	0.1320	1.0000	0.160	1.42	2.65	87.0000	21.50	0
47	17.273	0.381	0.1271	1.3000	0.160	1.42	2.65	89.0000	21.00	0
48	17.273	0.381	0.1219	1.5000	0.160	1.42	2.65	65.0000	25.50	0
49	17.556	0.381	0.1143	1.7300	0.160	1.42	2.65	238.0000	25.50	0
50	17.273	0.381	0.1015	1.9000	0.160	1.42	2.65	413.0000	25.50	0
51	17.556	0.381	0.0884	2.1000	0.160	1.42	2.65	507.0000	25.50	0
52	23.785	0.381	0.0884	1.8000	0.160	1.42	2.65	1016.9988	26.00	0
53	22.653	0.381	0.1494	1.6000	0.160	1.42	2.65	826.0000	30.00	0
54	22.653	0.381	0.1551	1.1000	0.160	1.42	2.65	834.0000	30.00	0
55	22.653	0.381	0.1570	1.0000	0.160	1.42	2.65	590.0000	29.50	0

EPA - DATA OF E. PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY (1967)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	22.653	0.381	0.1442	1.1000	0.160	1.42	2.65	1043.9988	30.50	0
57	22.653	0.381	0.1646	1.0300	0.160	1.42	2.65	958.0000	30.00	0
58	22.653	0.381	0.1603	1.0200	0.160	1.42	2.65	693.0000	29.50	0
59	22.653	0.381	0.1533	1.1000	0.160	1.42	2.65	729.0000	29.50	0
60	22.653	0.381	0.1241	1.3000	0.160	1.42	2.65	1351.0000	29.50	0
61	22.653	0.381	0.1177	2.8000	0.160	1.42	2.65	1195.0000	30.00	0
62	22.653	0.381	0.1314	1.9000	0.160	1.42	2.65	1044.9988	33.00	0
63	22.653	0.381	0.1585	1.3000	0.160	1.42	2.65	525.0000	30.00	0
64	16.990	0.381	0.1542	0.7700	0.160	1.42	2.65	183.0000	29.00	0
65	15.574	0.381	0.1527	0.4600	0.160	1.42	2.65	0.0	29.50	0
66	15.574	0.381	0.1570	0.3200	0.160	1.42	2.65	0.0	29.50	0
67	14.866	0.381	0.1585	0.2500	0.160	1.42	2.65	0.0	30.00	0
68	14.158	0.381	0.1573	0.2900	0.160	1.42	2.65	0.0	30.00	0

EPB - DATA OF THE GOVT. OF EAST PAKISTAN (1966,1968,1969)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	56.632	1.219	0.1478	1.0000	0.150	1.43	2.66	270.0000	28.00	0
2	59.464	1.219	0.1524	0.8200	0.150	1.43	2.66	167.0000	28.90	0
3	87.780	1.219	0.1524	1.2500	0.150	1.43	2.66	645.0000	29.50	0
4	99.106	1.219	0.1524	1.3500	0.150	1.43	2.66	1125.0000	29.50	0
5	107.601	1.219	0.1524	1.2000	0.150	1.43	2.66	887.0000	29.60	0
6	92.027	1.219	0.2042	0.8300	0.150	1.43	2.66	360.0000	31.20	0
7	87.780	1.219	0.2042	0.7800	0.150	1.43	2.66	258.0000	30.20	0
8	49.270	1.219	0.1524	0.6700	0.150	1.43	2.66	45.0000	28.80	0
9	118.927	1.219	0.1524	1.2500	0.150	1.43	2.66	1082.9988	27.80	0
10	141.580	1.219	0.1524	1.6000	0.150	1.43	2.66	1809.9988	27.70	0
11	93.443	1.219	0.3048	0.2000	0.150	1.43	2.66	63.0000	29.50	0
12	138.748	1.219	0.3048	0.4500	0.150	1.43	2.66	143.0000	28.10	0
13	120.343	1.219	0.3048	0.3300	0.150	1.43	2.66	39.0000	27.30	0
14	135.917	1.219	0.3048	0.3500	0.150	1.43	2.66	66.0000	26.70	0
15	155.738	1.219	0.3048	0.6700	0.150	1.43	2.66	432.0000	28.70	0
16	150.924	1.219	0.2987	0.6000	0.150	1.43	2.66	331.0000	28.80	0
17	175.559	1.219	0.3018	0.7100	0.150	1.43	2.66	806.0000	28.80	0
18	192.549	1.219	0.3048	0.6700	0.150	1.43	2.66	966.0000	29.40	0
19	203.875	1.219	0.3048	0.7600	0.150	1.43	2.66	890.0000	29.70	0
20	232.191	1.219	0.3048	0.5000	0.150	1.43	2.66	572.0000	29.50	0
21	16.990	0.381	0.1381	0.7700	0.250	1.68	2.64	218.0000	26.00	2
22	16.990	0.381	0.1262	1.0000	0.250	1.68	2.64	622.0000	26.20	2
23	19.821	0.381	0.1189	2.4000	0.250	1.68	2.64	526.0000	26.10	3
24	18.689	0.381	0.1061	2.6000	0.250	1.68	2.64	1400.0000	25.50	3
25	20.529	0.381	0.1676	0.7200	0.250	1.68	2.64	113.0000	29.00	2
26	20.529	0.381	0.1463	0.9200	0.250	1.68	2.64	148.0000	28.90	2
27	21.803	0.381	0.1128	2.6000	0.250	1.68	2.64	852.0000	29.10	3
28	48.420	0.381	0.1481	2.0000	0.250	1.68	2.64	1330.9988	25.00	5
29	26.051	0.381	0.1524	1.1000	0.250	1.68	2.64	383.0000	24.90	3
30	24.069	0.381	0.1524	0.8500	0.250	1.68	2.64	157.0000	26.30	3
31	30.864	0.381	0.1548	2.2000	0.250	1.68	2.64	344.0000	24.80	3
32	39.076	0.381	0.1402	2.6000	0.250	1.68	2.64	491.0000	26.10	3
33	42.191	0.381	0.1439	3.0000	0.250	1.68	2.64	1278.0000	11.20	3
34	19.821	0.381	0.1097	2.8000	0.250	1.68	2.64	692.0000	26.00	3
35	70.790	1.219	0.3048	0.0470	0.330	1.27	2.64	93.4000	28.20	5
36	84.948	1.219	0.3048	0.0580	0.330	1.27	2.64	81.5000	27.90	5
37	99.106	1.219	0.3048	0.2460	0.330	1.27	2.64	63.0000	27.80	5
38	113.264	1.219	0.3036	0.2640	0.330	1.27	2.64	63.0000	28.90	2
39	127.422	1.219	0.3030	0.2620	0.330	1.27	2.64	83.5000	29.10	3
40	141.580	1.219	0.3048	0.3430	0.330	1.27	2.64	171.0000	29.80	3
41	155.738	1.219	0.3078	0.7550	0.330	1.27	2.64	107.0000	29.70	3
42	169.896	1.219	0.3078	0.7770	0.330	1.27	2.64	134.0000	29.70	3
43	198.212	1.219	0.3261	1.0700	0.330	1.27	2.64	110.0000	29.30	3
44	212.370	1.219	0.3383	1.4340	0.330	1.27	2.64	275.0000	29.30	3
45	226.528	1.219	0.3536	1.6540	0.330	1.27	2.64	300.0000	29.70	3
46	254.844	1.219	0.3871	2.2600	0.330	1.27	2.64	228.0000	29.90	3
47	113.264	1.219	0.2612	0.4200	0.250	1.53	2.64	115.0000	28.70	2
48	127.422	1.219	0.2627	0.5000	0.250	1.53	2.64	125.0000	31.00	2
49	141.580	1.219	0.2548	0.7000	0.250	1.53	2.64	208.0000	20.80	2
50	155.738	1.219	0.2591	0.9200	0.250	1.53	2.64	204.0000	19.70	3
51	169.896	1.219	0.2731	1.0500	0.250	1.53	2.64	272.0000	19.10	3
52	198.212	1.219	0.2865	1.8000	0.250	1.53	2.64	470.0000	19.30	3
53	212.370	1.219	0.3078	2.2000	0.250	1.53	2.64	680.0000	19.30	3
54	226.528	1.219	0.3383	2.3000	0.250	1.53	2.64	583.0000	19.10	3
55	240.686	1.219	0.3231	2.4000	0.250	1.53	2.64	496.0000	25.40	3

EPB - DATA OF THE GOVT. OF EAST PAKISTAN (1966,1968,1969)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	254.844	1.219	0.3261	2.6000	0.250	1.53	2.64	504.0000	23.70	3

FOL - DATA OF FOLEY, M. (1975)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	5.741	0.267	0.0384	3.8100	0.290	1.37	2.65	1424.7368	22.00	4
2	7.536	0.267	0.0473	4.0200	0.290	1.37	2.65	1755.0078	22.40	7
3	7.533	0.267	0.0471	4.0100	0.290	1.37	2.65	1848.1128	22.00	0
4	5.691	0.267	0.0374	4.3700	0.290	1.37	2.65	2232.3350	22.00	0
5	3.705	0.267	0.0358	3.9400	0.290	1.37	2.65	845.3428	22.40	2
6	6.681	0.267	0.0438	3.9100	0.290	1.37	2.65	1250.2979	23.20	4
7	6.681	0.267	0.0459	3.7400	0.290	1.37	2.65	989.8188	23.00	4
8	7.501	0.267	0.0349	10.5400	0.290	1.37	2.65	10254.3867	22.00	0
9	7.501	0.267	0.0353	10.2100	0.290	1.37	2.65	9999.1836	22.00	0
10	5.626	0.267	0.0305	9.9900	0.290	1.37	2.65	9001.5781	22.40	7
11	5.671	0.267	0.0295	9.9500	0.290	1.37	2.65	8285.6992	22.40	7
12	5.626	0.267	0.0315	10.6300	0.290	1.37	2.65	11692.7773	22.40	0

FRA - DATA OF FRANCO, J.J. (1968)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	52.951	0.914	0.1588	1.1960	0.230	1.33	2.67	39.9790	4.44	2
2	52.951	0.914	0.1606	1.1090	0.230	1.33	2.67	39.9790	4.44	2
3	52.951	0.914	0.1594	1.0900	0.230	1.33	2.67	39.9790	15.56	2
4	52.951	0.914	0.1588	0.9380	0.230	1.33	2.67	39.9790	26.67	2
5	52.951	0.914	0.1469	1.4970	0.230	1.33	2.67	94.9490	4.44	2
6	52.951	0.914	0.1439	1.3220	0.230	1.33	2.67	94.9490	15.56	2
7	52.951	0.914	0.1405	1.1750	0.230	1.33	2.67	94.9490	26.67	2
8	52.951	0.914	0.1390	1.6930	0.230	1.33	2.67	166.3390	4.44	2
9	52.951	0.914	0.1350	1.5270	0.230	1.33	2.67	166.3390	15.56	2
10	52.951	0.914	0.1335	1.2580	0.230	1.33	2.67	166.3390	26.67	2
11	52.951	0.914	0.1286	1.3080	0.230	1.33	2.67	166.3390	26.67	2
12	35.961	0.914	0.1405	0.3080	2.200	2.29	1.30	57.8150	4.44	5
13	35.961	0.914	0.1417	0.3420	2.200	2.29	1.30	57.8150	26.67	5
14	35.961	0.914	0.1344	0.3410	2.200	2.29	1.30	100.9130	4.44	5
15	35.961	0.914	0.1350	0.4440	2.200	2.29	1.30	100.9130	26.67	5
16	35.961	0.914	0.1497	0.2410	2.200	2.29	1.30	24.1770	4.44	5
17	35.961	0.914	0.1457	0.2300	2.200	2.29	1.30	24.1770	26.67	5
18	35.961	0.914	0.1308	0.4810	2.200	2.29	1.30	193.4170	4.44	5
19	35.961	0.914	0.1256	0.6040	2.200	2.29	1.30	193.4170	26.67	5

GIB - DATA OF GIBBS, C.H. AND NEILL, C.R. (1972)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	169.896	1.219	0.1768	4.6500	4.374	2.35	2.65	1109.0000	24.00	3
2	169.896	1.219	0.1768	4.6500	4.374	2.35	2.65	1136.0000	24.00	3
3	169.896	1.219	0.1768	4.6500	4.374	2.35	2.65	1100.0000	24.00	3
4	158.570	1.219	0.1737	2.9000	4.374	2.35	2.65	400.5000	24.00	3
5	158.570	1.219	0.1737	2.9000	4.374	2.35	2.65	360.3999	24.00	3
6	158.570	1.219	0.1737	2.9000	4.374	2.35	2.65	362.2998	24.00	3
7	198.212	1.219	0.1707	5.0000	4.374	2.35	2.65	1500.0000	24.00	3
8	198.212	1.219	0.1707	5.0000	4.374	2.35	2.65	1777.0000	24.00	3
9	198.212	1.219	0.1707	5.0000	4.374	2.35	2.65	1481.0000	24.00	3

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 1 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	2.633	0.201	0.0253	12.2000	0.305	1.06	2.65	9580.0000	-1.00	0
2	5.154	0.201	0.0384	6.9000	0.305	1.06	2.65	3580.0000	-1.00	5
3	5.154	0.201	0.0290	15.9000	0.305	1.06	2.65	18300.0000	-1.00	7
4	15.432	0.201	0.0866	5.6000	0.305	1.06	2.65	3790.0000	-1.00	5
5	5.154	0.305	0.0415	5.4000	0.305	1.06	2.65	1940.0000	-1.00	3
6	10.279	0.305	0.0533	4.2000	0.305	1.06	2.65	1900.0000	-1.00	4
7	20.784	0.305	0.0805	4.4000	0.305	1.06	2.65	2480.0000	-1.00	5
8	5.154	0.402	0.0323	6.3000	0.305	1.06	2.65	2330.0000	-1.00	3
9	5.154	0.402	0.0277	7.5000	0.305	1.06	2.65	3390.0000	-1.00	3
10	5.154	0.402	0.0229	7.3000	0.305	1.06	2.65	3390.0000	-1.00	3
11	5.154	0.402	0.0253	8.0000	0.305	1.06	2.65	4270.0000	-1.00	3
12	5.154	0.402	0.0265	9.9000	0.305	1.06	2.65	7270.0000	-1.00	4
13	5.154	0.402	0.0241	11.1000	0.305	1.06	2.65	9790.0000	-1.00	7
14	5.154	0.402	0.0186	13.7000	0.305	1.06	2.65	13900.0000	-1.00	7
15	5.154	0.402	0.0183	14.1000	0.305	1.06	2.65	14200.0000	-1.00	7
16	10.279	0.402	0.0594	2.7000	0.305	1.06	2.65	786.9998	-1.00	3
17	10.279	0.402	0.0399	5.0000	0.305	1.06	2.65	3890.0000	-1.00	4
18	10.279	0.402	0.0351	5.8000	0.305	1.06	2.65	4190.0000	-1.00	0
19	10.279	0.402	0.0341	6.7000	0.305	1.06	2.65	4230.0000	-1.00	0
20	10.279	0.402	0.0341	8.4000	0.305	1.06	2.65	6760.0000	-1.00	0
21	10.279	0.402	0.0396	10.3000	0.305	1.06	2.65	7050.0000	-1.00	4
22	10.279	0.402	0.0351	11.8000	0.305	1.06	2.65	12500.0000	-1.00	7
23	10.279	0.402	0.0323	11.4000	0.305	1.06	2.65	12700.0000	-1.00	7
24	10.279	0.402	0.0271	14.3000	0.305	1.06	2.65	17200.0000	-1.00	7
25	10.279	0.402	0.0296	15.5000	0.305	1.06	2.65	20200.0000	-1.00	7
26	20.784	0.402	0.0814	3.5000	0.305	1.06	2.65	1830.0000	-1.00	3
27	20.784	0.402	0.0631	4.9000	0.305	1.06	2.65	4000.0000	-1.00	5
28	20.784	0.402	0.0604	5.1000	0.305	1.06	2.65	4220.0000	-1.00	5
29	20.784	0.402	0.0579	7.3000	0.305	1.06	2.65	6800.0000	-1.00	7
30	10.279	0.597	0.0570	3.6000	0.305	1.06	2.65	820.0000	-1.00	3
31	10.279	0.597	0.0360	4.1000	0.305	1.06	2.65	1940.0000	-1.00	0
32	10.279	0.597	0.0393	5.5000	0.305	1.06	2.65	1940.0000	-1.00	0
33	10.279	0.597	0.0326	5.9000	0.305	1.06	2.65	3160.0000	-1.00	0
34	10.279	0.597	0.0296	7.8000	0.305	1.06	2.65	5740.0000	-1.00	0
35	10.279	0.597	0.0256	9.5000	0.305	1.06	2.65	8410.0000	-1.00	7
36	10.279	0.597	0.0223	11.0000	0.305	1.06	2.65	12400.0000	-1.00	7
37	10.279	0.597	0.0235	11.7000	0.305	1.06	2.65	13200.0000	-1.00	7
38	10.279	0.597	0.0229	11.8000	0.305	1.06	2.65	13200.0000	-1.00	7
39	10.279	0.597	0.0219	13.8000	0.305	1.06	2.65	18000.0000	-1.00	7
40	10.279	0.597	0.0232	15.0000	0.305	1.06	2.65	19800.0000	-1.00	7
41	10.279	0.597	0.0204	15.9000	0.305	1.06	2.65	21600.0000	-1.00	7
42	10.279	0.597	0.0210	17.3000	0.305	1.06	2.65	25700.0000	-1.00	7
43	10.279	0.597	0.0213	17.7000	0.305	1.06	2.65	27500.0000	-1.00	7
44	20.784	0.597	0.0893	1.8000	0.305	1.06	2.65	385.0000	-1.00	0
45	20.784	0.597	0.0549	3.6000	0.305	1.06	2.65	1560.0000	-1.00	0
46	20.784	0.597	0.0475	4.5000	0.305	1.06	2.65	3780.0000	-1.00	0
47	20.784	0.597	0.0463	5.0000	0.305	1.06	2.65	3610.0000	-1.00	5
48	20.784	0.597	0.0445	5.5000	0.305	1.06	2.65	5050.0000	-1.00	5
49	20.784	0.597	0.0433	7.9000	0.305	1.06	2.65	7450.0000	-1.00	4
50	20.784	0.597	0.0411	7.5000	0.305	1.06	2.65	8020.0000	-1.00	0
51	20.784	0.597	0.0393	9.4000	0.305	1.06	2.65	9470.0000	-1.00	7
52	20.784	0.597	0.0411	9.8000	0.305	1.06	2.65	10900.0000	-1.00	7
53	20.784	0.597	0.0396	10.1000	0.305	1.06	2.65	13400.0000	-1.00	7
54	31.686	0.597	0.0652	4.4000	0.305	1.06	2.65	2920.0000	-1.00	5
55	31.686	0.597	0.0631	3.9000	0.305	1.06	2.65	3180.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 2 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	31.686	0.597	0.0613	5.7000	0.305	1.06	2.65	4980.0000	-1.00	5
57	31.686	0.597	0.0597	5.9000	0.305	1.06	2.65	5650.0000	-1.00	5
58	31.686	0.597	0.0555	6.3000	0.305	1.06	2.65	6310.0000	-1.00	5
59	31.686	0.597	0.0570	6.0000	0.305	1.06	2.65	6750.0000	-1.00	4
60	31.686	0.597	0.0503	8.1000	0.305	1.06	2.65	7540.0000	-1.00	4
61	31.686	0.597	0.0546	7.9000	0.305	1.06	2.65	9190.0000	-1.00	7
62	31.686	0.597	0.0536	10.2000	0.305	1.06	2.65	10900.0000	-1.00	7
63	2.633	0.070	0.0585	8.5000	0.375	1.13	2.65	1520.0000	-1.00	4
64	2.633	0.070	0.0561	9.4000	0.375	1.13	2.65	2540.0000	-1.00	4
65	2.633	0.070	0.0530	10.1000	0.375	1.13	2.65	3070.0000	-1.00	5
66	2.633	0.070	0.0445	14.9000	0.375	1.13	2.65	7590.0000	-1.00	5
67	5.154	0.070	0.1109	7.3000	0.375	1.13	2.65	780.0000	-1.00	3
68	5.154	0.070	0.0866	11.2000	0.375	1.13	2.65	3500.0000	-1.00	5
69	5.154	0.070	0.0701	15.5000	0.375	1.13	2.65	6000.0000	-1.00	0
70	5.154	0.070	0.0707	15.5000	0.375	1.13	2.65	6210.0000	-1.00	4
71	2.633	0.134	0.0415	7.3000	0.375	1.13	2.65	2010.0000	-1.00	3
72	2.633	0.134	0.0335	9.0000	0.375	1.13	2.65	4180.0000	-1.00	5
73	2.633	0.134	0.0283	11.8000	0.375	1.13	2.65	6830.0000	-1.00	4
74	2.633	0.134	0.0213	16.2000	0.375	1.13	2.65	12900.0000	-1.00	7
75	2.633	0.134	0.0219	23.1000	0.375	1.13	2.65	20100.0000	-1.00	7
76	2.633	0.134	0.0207	23.8000	0.375	1.13	2.65	24300.0000	-1.00	7
77	5.154	0.134	0.0591	5.0000	0.375	1.13	2.65	1650.0000	-1.00	4
78	5.154	0.134	0.0539	7.5000	0.375	1.13	2.65	3110.0000	-1.00	5
79	5.154	0.134	0.0445	9.8000	0.375	1.13	2.65	5240.0000	-1.00	4
80	5.154	0.134	0.0424	17.3000	0.375	1.13	2.65	14750.0000	-1.00	7
81	2.633	0.201	0.0271	7.5000	0.375	1.13	2.65	1930.0000	-1.00	3
82	2.633	0.201	0.0244	8.4000	0.375	1.13	2.65	3490.0000	-1.00	3
83	2.633	0.201	0.0183	12.3000	0.375	1.13	2.65	6450.0000	-1.00	5
84	2.633	0.201	0.0180	13.2000	0.375	1.13	2.65	5700.0000	-1.00	4
85	2.633	0.201	0.0177	14.1000	0.375	1.13	2.65	8350.0000	-1.00	4
86	2.633	0.201	0.0152	14.7000	0.375	1.13	2.65	10630.0000	-1.00	4
87	2.633	0.201	0.0171	16.3000	0.375	1.13	2.65	12900.0000	-1.00	4
88	2.633	0.201	0.0165	20.1000	0.375	1.13	2.65	15600.0000	-1.00	4
89	2.633	0.201	0.0149	20.9000	0.375	1.13	2.65	20100.0000	-1.00	7
90	2.633	0.201	0.0177	21.7000	0.375	1.13	2.65	21600.0000	-1.00	7
91	2.633	0.201	0.0113	29.6000	0.375	1.13	2.65	35300.0000	-1.00	7
92	5.154	0.201	0.0558	3.6000	0.375	1.13	2.65	870.0000	-1.00	3
93	5.154	0.201	0.0558	3.7000	0.375	1.13	2.65	930.0000	-1.00	3
94	5.154	0.201	0.0418	6.8000	0.375	1.13	2.65	3000.0000	-1.00	0
95	5.154	0.201	0.0344	6.6000	0.375	1.13	2.65	4170.0000	-1.00	0
96	5.154	0.201	0.0335	7.2000	0.375	1.13	2.65	4660.0000	-1.00	0
97	5.154	0.201	0.0326	8.1000	0.375	1.13	2.65	4170.0000	-1.00	5
98	5.154	0.201	0.0344	9.8000	0.375	1.13	2.65	8150.0000	-1.00	0
99	5.154	0.201	0.0308	10.6000	0.375	1.13	2.65	8340.0000	-1.00	0
100	5.154	0.201	0.0341	11.7000	0.375	1.13	2.65	9500.0000	-1.00	0
101	5.154	0.201	0.0326	13.2000	0.375	1.13	2.65	10700.0000	-1.00	4
102	5.154	0.201	0.0314	13.6000	0.375	1.13	2.65	10700.0000	-1.00	4
103	5.154	0.201	0.0277	15.1000	0.375	1.13	2.65	17100.0000	-1.00	7
104	5.154	0.201	0.0250	20.0000	0.375	1.13	2.65	20400.0000	-1.00	7
105	5.154	0.201	0.0253	18.8000	0.375	1.13	2.65	21700.0000	-1.00	7
106	5.154	0.201	0.0235	20.5000	0.375	1.13	2.65	23100.0000	-1.00	7
107	5.154	0.201	0.0351	21.9000	0.375	1.13	2.65	27000.0000	-1.00	7
108	5.154	0.201	0.0293	24.6000	0.375	1.13	2.65	30800.0000	-1.00	7
109	5.154	0.201	0.0250	27.9000	0.375	1.13	2.65	32800.0000	-1.00	7
110	10.279	0.201	0.0674	5.1000	0.375	1.13	2.65	2820.0000	-1.00	4

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 3 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	10.279	0.201	0.0646	6.8000	0.375	1.13	2.65	4090.0000	-1.00	4
112	10.279	0.201	0.0625	6.9000	0.375	1.13	2.65	4380.0000	-1.00	4
113	10.279	0.201	0.0616	7.5000	0.375	1.13	2.65	5250.0000	-1.00	5
114	10.279	0.201	0.0573	8.0000	0.375	1.13	2.65	6230.0000	-1.00	5
115	10.279	0.201	0.0543	9.8000	0.375	1.13	2.65	7500.0000	-1.00	4
116	10.279	0.201	0.0576	9.9000	0.375	1.13	2.65	8850.0000	-1.00	7
117	10.279	0.201	0.0582	11.4000	0.375	1.13	2.65	10100.0000	-1.00	7
118	10.279	0.201	0.0539	15.4000	0.375	1.13	2.65	14400.0000	-1.00	7
119	10.279	0.201	0.0472	14.3000	0.375	1.13	2.65	14800.0000	-1.00	7
120	10.279	0.201	0.0482	16.6000	0.375	1.13	2.65	16200.0000	-1.00	7
121	15.432	0.201	0.1439	2.1000	0.375	1.13	2.65	380.0000	-1.00	3
122	15.432	0.201	0.1119	2.3000	0.375	1.13	2.65	1040.0000	-1.00	3
123	15.432	0.201	0.0914	4.5000	0.375	1.13	2.65	2270.0000	-1.00	4
124	15.432	0.201	0.0890	6.3000	0.375	1.13	2.65	3820.0000	-1.00	4
125	15.432	0.201	0.0786	7.4000	0.375	1.13	2.65	4400.0000	-1.00	4
126	15.432	0.201	0.0792	7.2000	0.375	1.13	2.65	5180.0000	-1.00	5
127	15.432	0.201	0.0671	8.7000	0.375	1.13	2.65	6850.0000	-1.00	0
128	15.432	0.201	0.0689	8.9000	0.375	1.13	2.65	7000.0000	-1.00	4
129	15.432	0.201	0.0701	10.0000	0.375	1.13	2.65	8550.0000	-1.00	7
130	15.432	0.201	0.0704	13.2000	0.375	1.13	2.65	11000.0000	-1.00	7
131	5.154	0.305	0.0323	6.1000	0.375	1.13	2.65	2040.0000	-1.00	3
132	5.154	0.305	0.0311	6.1000	0.375	1.13	2.65	2230.0000	-1.00	0
133	5.154	0.305	0.0223	9.7000	0.375	1.13	2.65	5430.0000	-1.00	4
134	5.154	0.305	0.0247	11.5000	0.375	1.13	2.65	7560.0000	-1.00	4
135	5.154	0.305	0.0223	12.9000	0.375	1.13	2.65	9890.0000	-1.00	5
136	5.154	0.305	0.0183	18.7000	0.375	1.13	2.65	19000.0000	-1.00	7
137	5.154	0.305	0.0204	21.4000	0.375	1.13	2.65	22500.0000	-1.00	7
138	5.154	0.305	0.0201	24.3000	0.375	1.13	2.65	30400.0000	-1.00	7
139	5.154	0.305	0.0213	26.3000	0.375	1.13	2.65	35300.0000	-1.00	7
140	10.279	0.305	0.1448	0.4400	0.375	1.13	2.65	0.0	-1.00	3
141	10.279	0.305	0.0985	1.6000	0.375	1.13	2.65	165.0000	-1.00	3
142	10.279	0.305	0.0978	1.6000	0.375	1.13	2.65	170.0000	-1.00	3
143	10.279	0.305	0.0826	3.1000	0.375	1.13	2.65	660.0000	-1.00	3
144	10.279	0.305	0.0744	2.3000	0.375	1.13	2.65	860.0000	-1.00	3
145	10.279	0.305	0.0683	3.3000	0.375	1.13	2.65	922.9998	-1.00	3
146	10.279	0.305	0.0634	2.9000	0.375	1.13	2.65	893.9998	-1.00	3
147	10.279	0.305	0.0774	3.1000	0.375	1.13	2.65	990.0000	-1.00	3
148	10.279	0.305	0.0588	4.4000	0.375	1.13	2.65	1890.0000	-1.00	0
149	10.279	0.305	0.0536	5.5000	0.375	1.13	2.65	2430.0000	-1.00	0
150	10.279	0.305	0.0500	5.4000	0.375	1.13	2.65	2720.0000	-1.00	0
151	10.279	0.305	0.0469	7.8000	0.375	1.13	2.65	4470.0000	-1.00	5
152	10.279	0.305	0.0457	6.5000	0.375	1.13	2.65	5350.0000	-1.00	5
153	10.279	0.305	0.0366	10.0000	0.375	1.13	2.65	7680.0000	-1.00	7
154	10.279	0.305	0.0326	15.1000	0.375	1.13	2.65	14900.0000	-1.00	7
155	10.279	0.305	0.0393	16.6000	0.375	1.13	2.65	20000.0000	-1.00	7
156	10.279	0.305	0.0341	17.8000	0.375	1.13	2.65	21200.0000	-1.00	7
157	15.432	0.305	0.0591	7.9000	0.375	1.13	2.65	6930.0000	-1.00	5
158	15.432	0.305	0.0509	8.3000	0.375	1.13	2.65	7580.0000	-1.00	4
159	15.432	0.305	0.0479	11.6000	0.375	1.13	2.65	10800.0000	-1.00	7
160	15.432	0.305	0.0515	13.1000	0.375	1.13	2.65	12900.0000	-1.00	7
161	15.432	0.305	0.0439	16.3000	0.375	1.13	2.65	19800.0000	-1.00	7
162	20.784	0.305	0.2256	0.1200	0.375	1.13	2.65	0.0	-1.00	3
163	20.784	0.305	0.1524	1.5000	0.375	1.13	2.65	207.0000	-1.00	0
164	20.784	0.305	0.1515	1.8000	0.375	1.13	2.65	230.9998	-1.00	0
165	20.784	0.305	0.1018	2.7000	0.375	1.13	2.65	840.9998	-1.00	0

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 4 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	20.784	0.305	0.0814	3.8000	0.375	1.13	2.65	1800.0000	-1.00	0
167	20.784	0.305	0.0780	4.9000	0.375	1.13	2.65	2600.0000	-1.00	0
168	20.784	0.305	0.0783	4.5000	0.375	1.13	2.65	2600.0000	-1.00	4
169	20.784	0.305	0.0783	5.0000	0.375	1.13	2.65	2760.0000	-1.00	0
170	20.784	0.305	0.0799	5.3000	0.375	1.13	2.65	2880.0000	-1.00	4
171	20.784	0.305	0.0783	4.4000	0.375	1.13	2.65	2980.0000	-1.00	4
172	20.784	0.305	0.0735	5.4000	0.375	1.13	2.65	3940.0000	-1.00	0
173	20.784	0.305	0.0722	6.8000	0.375	1.13	2.65	4900.0000	-1.00	4
174	20.784	0.305	0.0631	9.2000	0.375	1.13	2.65	9040.0000	-1.00	5
175	5.154	0.402	0.0384	4.0000	0.375	1.13	2.65	1220.0000	-1.00	3
176	5.154	0.402	0.0247	8.0000	0.375	1.13	2.65	2720.0000	-1.00	3
177	5.154	0.402	0.0186	9.8000	0.375	1.13	2.65	3300.0000	-1.00	3
178	5.154	0.402	0.0192	11.2000	0.375	1.13	2.65	6600.0000	-1.00	4
179	5.154	0.402	0.0174	11.8000	0.375	1.13	2.65	5240.0000	-1.00	4
180	5.154	0.402	0.0171	12.2000	0.375	1.13	2.65	8340.0000	-1.00	5
181	5.154	0.402	0.0162	14.1000	0.375	1.13	2.65	10900.0000	-1.00	4
182	5.154	0.402	0.0125	16.6000	0.375	1.13	2.65	13200.0000	-1.00	4
183	5.154	0.402	0.0155	17.1000	0.375	1.13	2.65	15700.0000	-1.00	4
184	5.154	0.402	0.0116	17.7000	0.375	1.13	2.65	15500.0000	-1.00	4
185	5.154	0.402	0.0137	18.8000	0.375	1.13	2.65	18000.0000	-1.00	7
186	5.154	0.402	0.0177	21.1000	0.375	1.13	2.65	22300.0000	-1.00	7
187	5.154	0.402	0.0113	23.2000	0.375	1.13	2.65	27500.0000	-1.00	7
188	5.154	0.402	0.0119	24.6000	0.375	1.13	2.65	29400.0000	-1.00	7
189	10.279	0.402	0.0671	2.5000	0.375	1.13	2.65	650.0000	-1.00	3
190	10.279	0.402	0.0600	2.6000	0.375	1.13	2.65	810.0000	-1.00	3
191	10.279	0.402	0.0497	4.3000	0.375	1.13	2.65	1650.0000	-1.00	3
192	10.279	0.402	0.0497	4.4000	0.375	1.13	2.65	1700.0000	-1.00	3
193	10.279	0.402	0.0399	4.7000	0.375	1.13	2.65	2140.0000	-1.00	3
194	10.279	0.402	0.0390	6.6000	0.375	1.13	2.65	2140.0000	-1.00	3
195	10.279	0.402	0.0378	6.9000	0.375	1.13	2.65	2430.0000	-1.00	3
196	10.279	0.402	0.0332	8.2000	0.375	1.13	2.65	3700.0000	-1.00	3
197	10.279	0.402	0.0299	10.7000	0.375	1.13	2.65	8700.0000	-1.00	0
198	10.279	0.402	0.0302	12.0000	0.375	1.13	2.65	10100.0000	-1.00	0
199	10.279	0.402	0.0244	12.8000	0.375	1.13	2.65	13200.0000	-1.00	7
200	10.279	0.402	0.0219	13.3000	0.375	1.13	2.65	12700.0000	-1.00	7
201	10.279	0.402	0.0299	13.7000	0.375	1.13	2.65	13000.0000	-1.00	7
202	10.279	0.402	0.0280	15.4000	0.375	1.13	2.65	15800.0000	-1.00	7
203	10.279	0.402	0.0250	16.3000	0.375	1.13	2.65	16800.0000	-1.00	7
204	15.432	0.402	0.0631	4.7000	0.375	1.13	2.65	1910.0000	-1.00	3
205	15.432	0.402	0.0503	5.3000	0.375	1.13	2.65	3080.0000	-1.00	3
206	15.432	0.402	0.0463	6.0000	0.375	1.13	2.65	3370.0000	-1.00	3
207	15.432	0.402	0.0424	7.6000	0.375	1.13	2.65	5500.0000	-1.00	0
208	15.432	0.402	0.0430	7.6000	0.375	1.13	2.65	5640.0000	-1.00	5
209	15.432	0.402	0.0451	7.5000	0.375	1.13	2.65	6800.0000	-1.00	5
210	15.432	0.402	0.0482	8.4000	0.375	1.13	2.65	6730.0000	-1.00	4
211	15.432	0.402	0.0430	9.8000	0.375	1.13	2.65	9510.0000	-1.00	7
212	15.432	0.402	0.0323	12.8000	0.375	1.13	2.65	14100.0000	-1.00	7
213	20.784	0.402	0.0814	3.1000	0.375	1.13	2.65	1350.0000	-1.00	0
214	20.784	0.402	0.0689	4.1000	0.375	1.13	2.65	1880.0000	-1.00	4
215	20.784	0.402	0.0668	5.0000	0.375	1.13	2.65	2650.0000	-1.00	4
216	20.784	0.402	0.0594	5.0000	0.375	1.13	2.65	2700.0000	-1.00	4
217	20.784	0.402	0.0628	5.3000	0.375	1.13	2.65	3030.0000	-1.00	4
218	20.784	0.402	0.0607	5.8000	0.375	1.13	2.65	4330.0000	-1.00	5
219	20.784	0.402	0.0530	8.7000	0.375	1.13	2.65	6200.0000	-1.00	5
220	20.784	0.402	0.0518	6.7000	0.375	1.13	2.65	6550.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 5 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	20.784	0.402	0.0524	7.6000	0.375	1.13	2.65	6450.0000	-1.00	5
222	20.784	0.402	0.0503	8.5000	0.375	1.13	2.65	6930.0000	-1.00	4
223	20.784	0.402	0.0527	9.0000	0.375	1.13	2.65	8040.0000	-1.00	4
224	20.784	0.402	0.0515	9.6000	0.375	1.13	2.65	8560.0000	-1.00	7
225	20.784	0.402	0.0506	9.2000	0.375	1.13	2.65	8770.0000	-1.00	7
226	10.279	0.597	0.0494	3.1000	0.375	1.13	2.65	760.0000	-1.00	3
227	10.279	0.597	0.0317	6.5000	0.375	1.13	2.65	1750.0000	-1.00	0
228	10.279	0.597	0.0335	6.2000	0.375	1.13	2.65	2430.0000	-1.00	0
229	10.279	0.597	0.0213	5.9000	0.375	1.13	2.65	3500.0000	-1.00	0
230	10.279	0.597	0.0265	7.7000	0.375	1.13	2.65	4240.0000	-1.00	0
231	10.279	0.597	0.0244	9.2000	0.375	1.13	2.65	4280.0000	-1.00	5
232	10.279	0.597	0.0180	10.1000	0.375	1.13	2.65	5740.0000	-1.00	4
233	10.279	0.597	0.0207	10.3000	0.375	1.13	2.65	7100.0000	-1.00	0
234	10.279	0.597	0.0238	10.7000	0.375	1.13	2.65	6610.0000	-1.00	4
235	10.279	0.597	0.0189	12.1000	0.375	1.13	2.65	9340.0000	-1.00	4
236	10.279	0.597	0.0192	14.5000	0.375	1.13	2.65	13300.0000	-1.00	7
237	10.279	0.597	0.0134	14.8000	0.375	1.13	2.65	14300.0000	-1.00	7
238	10.279	0.597	0.0152	16.2000	0.375	1.13	2.65	17200.0000	-1.00	7
239	10.279	0.597	0.0183	20.0000	0.375	1.13	2.65	24200.0000	-1.00	7
240	15.432	0.597	0.0402	5.4000	0.375	1.13	2.65	3440.0000	-1.00	0
241	15.432	0.597	0.0387	7.0000	0.375	1.13	2.65	4720.0000	-1.00	5
242	15.432	0.597	0.0396	6.9000	0.375	1.13	2.65	4660.0000	-1.00	0
243	15.432	0.597	0.0384	7.1000	0.375	1.13	2.65	4660.0000	-1.00	0
244	15.432	0.597	0.0277	7.8000	0.375	1.13	2.65	6480.0000	-1.00	0
245	15.432	0.597	0.0338	8.0000	0.375	1.13	2.65	5770.0000	-1.00	4
246	15.432	0.597	0.0351	9.8000	0.375	1.13	2.65	6090.0000	-1.00	4
247	15.432	0.597	0.0302	11.2000	0.375	1.13	2.65	9300.0000	-1.00	4
248	15.432	0.597	0.0290	16.0000	0.375	1.13	2.65	17100.0000	-1.00	7
249	20.784	0.597	0.0783	2.3000	0.375	1.13	2.65	370.0000	-1.00	3
250	20.784	0.597	0.0597	2.8000	0.375	1.13	2.65	1870.0000	-1.00	0
251	20.784	0.597	0.0521	4.4000	0.375	1.13	2.65	1800.0000	-1.00	0
252	20.784	0.597	0.0491	5.4000	0.375	1.13	2.65	4020.0000	-1.00	0
253	20.784	0.597	0.0424	6.4000	0.375	1.13	2.65	4710.0000	-1.00	0
254	20.784	0.597	0.0451	5.6000	0.375	1.13	2.65	4960.0000	-1.00	0
255	20.784	0.597	0.0457	10.5000	0.375	1.13	2.65	11500.0000	-1.00	7
256	20.784	0.597	0.0445	13.9000	0.375	1.13	2.65	16400.0000	-1.00	7
257	20.784	0.597	0.0378	14.5000	0.375	1.13	2.65	16800.0000	-1.00	7
258	31.686	0.597	0.1237	1.9000	0.375	1.13	2.65	205.0000	-1.00	3
259	31.686	0.597	0.1143	1.8000	0.375	1.13	2.65	425.9998	-1.00	3
260	31.686	0.597	0.1027	3.2000	0.375	1.13	2.65	960.0000	-1.00	3
261	31.686	0.597	0.0698	2.8000	0.375	1.13	2.65	1760.0000	-1.00	4
262	31.686	0.597	0.0960	5.9000	0.375	1.13	2.65	3500.0000	-1.00	0
263	31.686	0.597	0.0643	6.1000	0.375	1.13	2.65	3470.0000	-1.00	5
264	31.686	0.597	0.0573	6.5000	0.375	1.13	2.65	4000.0000	-1.00	5
265	31.686	0.597	0.0573	7.2000	0.375	1.13	2.65	6020.0000	-1.00	5
266	31.686	0.597	0.0561	7.3000	0.375	1.13	2.65	7250.0000	-1.00	0
267	31.686	0.597	0.0570	9.1000	0.375	1.13	2.65	10000.0000	-1.00	4
268	31.686	0.597	0.0536	10.0000	0.375	1.13	2.65	9780.0000	-1.00	0
269	31.686	0.597	0.0442	13.1000	0.375	1.13	2.65	13200.0000	-1.00	7
270	2.633	0.134	0.0491	6.4000	0.506	1.12	2.65	1210.0000	-1.00	3
271	2.633	0.134	0.0430	8.5000	0.506	1.12	2.65	2000.0000	-1.00	4
272	2.633	0.134	0.0399	9.4000	0.506	1.12	2.65	3570.0000	-1.00	5
273	2.633	0.134	0.0372	10.1000	0.506	1.12	2.65	4550.0000	-1.00	5
274	2.633	0.134	0.0357	12.6000	0.506	1.12	2.65	7200.0000	-1.00	5
275	2.633	0.134	0.0338	14.5000	0.506	1.12	2.65	9900.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 6 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	2.633	0.134	0.0338	15.9000	0.506	1.12	2.65	13300.0000	-1.00	5
277	2.633	0.134	0.0305	17.1000	0.506	1.12	2.65	12900.0000	-1.00	5
278	5.154	0.134	0.0716	6.1000	0.506	1.12	2.65	1880.0000	-1.00	3
279	5.154	0.134	0.0710	7.0000	0.506	1.12	2.65	2720.0000	-1.00	4
280	5.154	0.134	0.0512	13.3000	0.506	1.12	2.65	7360.0000	-1.00	5
281	5.154	0.134	0.0536	13.2000	0.506	1.12	2.65	8300.0000	-1.00	5
282	5.154	0.134	0.0524	13.8000	0.506	1.12	2.65	9100.0000	-1.00	5
283	5.154	0.134	0.0466	15.2000	0.506	1.12	2.65	9900.0000	-1.00	5
284	5.154	0.134	0.0421	21.6000	0.506	1.12	2.65	18800.0000	-1.00	7
285	2.633	0.201	0.0329	5.4000	0.506	1.12	2.65	1330.0000	-1.00	3
286	2.633	0.201	0.0256	7.9000	0.506	1.12	2.65	3260.0000	-1.00	3
287	2.633	0.201	0.0235	9.8000	0.506	1.12	2.65	3800.0000	-1.00	3
288	2.633	0.201	0.0238	9.7000	0.506	1.12	2.65	5700.0000	-1.00	3
289	2.633	0.201	0.0229	10.5000	0.506	1.12	2.65	5700.0000	-1.00	3
290	2.633	0.201	0.0235	10.5000	0.506	1.12	2.65	6450.0000	-1.00	3
291	2.633	0.201	0.0223	11.1000	0.506	1.12	2.65	6080.0000	-1.00	4
292	2.633	0.201	0.0201	13.6000	0.506	1.12	2.65	8350.0000	-1.00	5
293	2.633	0.201	0.0192	15.6000	0.506	1.12	2.65	13300.0000	-1.00	5
294	2.633	0.201	0.0168	19.8000	0.506	1.12	2.65	18200.0000	-1.00	7
295	2.633	0.201	0.0152	23.8000	0.506	1.12	2.65	23200.0000	-1.00	7
296	2.633	0.201	0.0158	25.2000	0.506	1.12	2.65	28100.0000	-1.00	7
297	5.154	0.201	0.0725	2.3000	0.506	1.12	2.65	420.0000	-1.00	3
298	5.154	0.201	0.0415	5.4000	0.506	1.12	2.65	1880.0000	-1.00	3
299	5.154	0.201	0.0378	6.4000	0.506	1.12	2.65	3100.0000	-1.00	3
300	5.154	0.201	0.0402	7.6000	0.506	1.12	2.65	3500.0000	-1.00	3
301	5.154	0.201	0.0387	7.2000	0.506	1.12	2.65	3500.0000	-1.00	3
302	5.154	0.201	0.0357	9.4000	0.506	1.12	2.65	5400.0000	-1.00	4
303	5.154	0.201	0.0293	11.6000	0.506	1.12	2.65	7600.0000	-1.00	5
304	5.154	0.201	0.0335	11.6000	0.506	1.12	2.65	8700.0000	-1.00	5
305	5.154	0.201	0.0283	15.7000	0.506	1.12	2.65	15100.0000	-1.00	5
306	5.154	0.201	0.0189	22.4000	0.506	1.12	2.65	22000.0000	-1.00	7
307	10.279	0.201	0.0735	4.4000	0.506	1.12	2.65	2140.0000	-1.00	3
308	10.279	0.201	0.0677	6.4000	0.506	1.12	2.65	3110.0000	-1.00	4
309	10.279	0.201	0.0643	7.0000	0.506	1.12	2.65	3300.0000	-1.00	4
310	10.279	0.201	0.0649	6.1000	0.506	1.12	2.65	3700.0000	-1.00	4
311	10.279	0.201	0.0658	6.3000	0.506	1.12	2.65	3400.0000	-1.00	4
312	10.279	0.201	0.0646	6.6000	0.506	1.12	2.65	3700.0000	-1.00	4
313	10.279	0.201	0.0625	6.7000	0.506	1.12	2.65	3800.0000	-1.00	4
314	10.279	0.201	0.0567	8.7000	0.506	1.12	2.65	5250.0000	-1.00	5
315	10.279	0.201	0.0530	9.9000	0.506	1.12	2.65	7600.0000	-1.00	5
316	10.279	0.201	0.0509	10.4000	0.506	1.12	2.65	8100.0000	-1.00	5
317	10.279	0.201	0.0512	10.8000	0.506	1.12	2.65	8750.0000	-1.00	4
318	10.279	0.201	0.0527	10.7000	0.506	1.12	2.65	9150.0000	-1.00	0
319	10.279	0.201	0.0500	10.8000	0.506	1.12	2.65	9250.0000	-1.00	0
320	10.279	0.201	0.0530	11.9000	0.506	1.12	2.65	11800.0000	-1.00	5
321	10.279	0.201	0.0512	12.3000	0.506	1.12	2.65	11800.0000	-1.00	5
322	10.279	0.201	0.0491	14.1000	0.506	1.12	2.65	13000.0000	-1.00	4
323	10.279	0.201	0.0503	20.8000	0.506	1.12	2.65	23800.0000	-1.00	7
324	15.432	0.201	0.1759	1.9000	0.506	1.12	2.65	182.0000	-1.00	3
325	15.432	0.201	0.0951	5.4000	0.506	1.12	2.65	2330.0000	-1.00	3
326	15.432	0.201	0.0878	5.1000	0.506	1.12	2.65	2920.0000	-1.00	0
327	15.432	0.201	0.0866	5.6000	0.506	1.12	2.65	3040.0000	-1.00	0
328	15.432	0.201	0.0847	5.7000	0.506	1.12	2.65	3080.0000	-1.00	4
329	15.432	0.201	0.0878	5.8000	0.506	1.12	2.65	3000.0000	-1.00	4
330	15.432	0.201	0.0924	6.0000	0.506	1.12	2.65	2660.0000	-1.00	0

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 7 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
331	15.432	0.201	0.0939	6.0000	0.506	1.12	2.65	3040.0000	-1.00	4
332	15.432	0.201	0.0914	5.7000	0.506	1.12	2.65	3400.0000	-1.00	4
333	15.432	0.201	0.0777	7.8000	0.506	1.12	2.65	4900.0000	-1.00	4
334	15.432	0.201	0.0792	8.2000	0.506	1.12	2.65	5700.0000	-1.00	4
335	15.432	0.201	0.0680	9.6000	0.506	1.12	2.65	7400.0000	-1.00	4
336	15.432	0.201	0.0680	9.6000	0.506	1.12	2.65	7600.0000	-1.00	4
337	15.432	0.201	0.0695	9.9000	0.506	1.12	2.65	7700.0000	-1.00	4
338	15.432	0.201	0.0738	10.1000	0.506	1.12	2.65	8400.0000	-1.00	5
339	15.432	0.201	0.0689	11.2000	0.506	1.12	2.65	9800.0000	-1.00	5
340	15.432	0.201	0.0728	11.2000	0.506	1.12	2.65	9900.0000	-1.00	5
341	15.432	0.201	0.0677	12.1000	0.506	1.12	2.65	10500.0000	-1.00	5
342	15.432	0.201	0.0713	15.3000	0.506	1.12	2.65	12700.0000	-1.00	7
343	20.784	0.201	0.0997	6.2000	0.506	1.12	2.65	3080.0000	-1.00	4
344	20.784	0.201	0.0969	6.2000	0.506	1.12	2.65	3150.0000	-1.00	4
345	20.784	0.201	0.0975	5.8000	0.506	1.12	2.65	3220.0000	-1.00	4
346	20.784	0.201	0.0802	9.9000	0.506	1.12	2.65	7700.0000	-1.00	4
347	20.784	0.201	0.0844	10.4000	0.506	1.12	2.65	7900.0000	-1.00	4
348	5.154	0.305	0.0357	5.4000	0.506	1.12	2.65	1470.0000	-1.00	3
349	5.154	0.305	0.0354	5.7000	0.506	1.12	2.65	2140.0000	-1.00	3
350	5.154	0.305	0.0335	7.3000	0.506	1.12	2.65	3100.0000	-1.00	3
351	5.154	0.305	0.0326	7.5000	0.506	1.12	2.65	3300.0000	-1.00	3
352	5.154	0.305	0.0329	7.4000	0.506	1.12	2.65	3500.0000	-1.00	3
353	5.154	0.305	0.0198	16.8000	0.506	1.12	2.65	16300.0000	-1.00	5
354	5.154	0.305	0.0189	18.5000	0.506	1.12	2.65	18800.0000	-1.00	5
355	5.154	0.305	0.0155	20.7000	0.506	1.12	2.65	22100.0000	-1.00	7
356	5.154	0.305	0.0198	22.4000	0.506	1.12	2.65	24800.0000	-1.00	7
357	10.279	0.305	0.0994	1.9000	0.506	1.12	2.65	185.0000	-1.00	3
358	10.279	0.305	0.0838	2.4000	0.506	1.12	2.65	563.9998	-1.00	3
359	10.279	0.305	0.0674	4.2000	0.506	1.12	2.65	1800.0000	-1.00	3
360	10.279	0.305	0.0570	4.4000	0.506	1.12	2.65	2340.0000	-1.00	3
361	10.279	0.305	0.0500	5.2000	0.506	1.12	2.65	2920.0000	-1.00	3
362	10.279	0.305	0.0518	6.5000	0.506	1.12	2.65	3940.0000	-1.00	0
363	10.279	0.305	0.0433	7.3000	0.506	1.12	2.65	4500.0000	-1.00	4
364	10.279	0.305	0.0436	7.0000	0.506	1.12	2.65	4600.0000	-1.00	4
365	10.279	0.305	0.0430	7.3000	0.506	1.12	2.65	4400.0000	-1.00	4
366	10.279	0.305	0.0439	8.2000	0.506	1.12	2.65	5600.0000	-1.00	4
367	10.279	0.305	0.0405	8.3000	0.506	1.12	2.65	5900.0000	-1.00	4
368	10.279	0.305	0.0411	9.5000	0.506	1.12	2.65	8200.0000	-1.00	5
369	10.279	0.305	0.0375	9.3000	0.506	1.12	2.65	8400.0000	-1.00	5
370	10.279	0.305	0.0405	9.7000	0.506	1.12	2.65	8300.0000	-1.00	5
371	10.279	0.305	0.0369	10.9000	0.506	1.12	2.65	10100.0000	-1.00	5
372	10.279	0.305	0.0405	10.9000	0.506	1.12	2.65	10100.0000	-1.00	5
373	10.279	0.305	0.0347	12.5000	0.506	1.12	2.65	12800.0000	-1.00	5
374	10.279	0.305	0.0347	12.6000	0.506	1.12	2.65	14000.0000	-1.00	5
375	10.279	0.305	0.0351	13.8000	0.506	1.12	2.65	14300.0000	-1.00	5
376	15.432	0.305	0.0643	5.1000	0.506	1.12	2.65	3110.0000	-1.00	3
377	15.432	0.305	0.0628	5.3000	0.506	1.12	2.65	3700.0000	-1.00	3
378	15.432	0.305	0.0588	6.1000	0.506	1.12	2.65	4150.0000	-1.00	4
379	15.432	0.305	0.0576	6.2000	0.506	1.12	2.65	4050.0000	-1.00	4
380	15.432	0.305	0.0588	6.2000	0.506	1.12	2.65	4600.0000	-1.00	4
381	15.432	0.305	0.0536	8.3000	0.506	1.12	2.65	6900.0000	-1.00	0
382	15.432	0.305	0.0533	8.8000	0.506	1.12	2.65	6900.0000	-1.00	5
383	15.432	0.305	0.0509	10.2000	0.506	1.12	2.65	9600.0000	-1.00	5
384	15.432	0.305	0.0527	10.5000	0.506	1.12	2.65	9900.0000	-1.00	5
385	15.432	0.305	0.0497	10.9000	0.506	1.12	2.65	10700.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 8 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
386	15.432	0.305	0.0488	10.0000	0.506	1.12	2.65	11000.0000	-1.00	5
387	15.432	0.305	0.0506	11.2000	0.506	1.12	2.65	10700.0000	-1.00	5
388	15.432	0.305	0.0488	11.2000	0.506	1.12	2.65	10900.0000	-1.00	5
389	15.432	0.305	0.0451	12.8000	0.506	1.12	2.65	13300.0000	-1.00	5
390	15.432	0.305	0.0415	15.0000	0.506	1.12	2.65	17200.0000	-1.00	4
391	20.784	0.305	0.1765	1.3000	0.506	1.12	2.65	84.0000	-1.00	3
392	20.784	0.305	0.1737	1.6000	0.506	1.12	2.65	113.0000	-1.00	3
393	20.784	0.305	0.1637	1.4000	0.506	1.12	2.65	135.0000	-1.00	3
394	20.784	0.305	0.1423	2.7000	0.506	1.12	2.65	670.0000	-1.00	3
395	20.784	0.305	0.1259	3.2000	0.506	1.12	2.65	670.0000	-1.00	3
396	20.784	0.305	0.0981	3.4000	0.506	1.12	2.65	1950.0000	-1.00	3
397	20.784	0.305	0.0707	5.8000	0.506	1.12	2.65	3600.0000	-1.00	4
398	20.784	0.305	0.0735	5.8000	0.506	1.12	2.65	3900.0000	-1.00	4
399	20.784	0.305	0.0796	5.7000	0.506	1.12	2.65	5300.0000	-1.00	4
400	20.784	0.305	0.0759	6.1000	0.506	1.12	2.65	3700.0000	-1.00	4
401	20.784	0.305	0.0710	5.9000	0.506	1.12	2.65	4600.0000	-1.00	4
402	20.784	0.305	0.0674	8.1000	0.506	1.12	2.65	6350.0000	-1.00	4
403	20.784	0.305	0.0591	9.9000	0.506	1.12	2.65	8500.0000	-1.00	0
404	20.784	0.305	0.0619	10.1000	0.506	1.12	2.65	8700.0000	-1.00	5
405	20.784	0.305	0.0570	11.5000	0.506	1.12	2.65	11100.0000	-1.00	5
406	20.784	0.305	0.0607	12.9000	0.506	1.12	2.65	12800.0000	-1.00	4
407	31.686	0.305	0.0951	5.7000	0.506	1.12	2.65	3600.0000	-1.00	4
408	31.686	0.305	0.0930	6.6000	0.506	1.12	2.65	3850.0000	-1.00	4
409	31.686	0.305	0.0780	11.7000	0.506	1.12	2.65	10600.0000	-1.00	5
410	31.686	0.305	0.0771	12.2000	0.506	1.12	2.65	11000.0000	-1.00	5
411	5.154	0.402	0.0302	6.6000	0.506	1.12	2.65	2000.0000	-1.00	3
412	5.154	0.402	0.0305	7.0000	0.506	1.12	2.65	1510.0000	-1.00	3
413	5.154	0.402	0.0274	8.4000	0.506	1.12	2.65	2520.0000	-1.00	3
414	5.154	0.402	0.0232	9.8000	0.506	1.12	2.65	4100.0000	-1.00	3
415	5.154	0.402	0.0204	11.4000	0.506	1.12	2.65	5800.0000	-1.00	4
416	5.154	0.402	0.0204	12.4000	0.506	1.12	2.65	8300.0000	-1.00	4
417	5.154	0.402	0.0168	16.4000	0.506	1.12	2.65	11200.0000	-1.00	5
418	5.154	0.402	0.0122	20.8000	0.506	1.12	2.65	19200.0000	-1.00	4
419	5.154	0.402	0.0149	22.3000	0.506	1.12	2.65	23300.0000	-1.00	7
420	5.154	0.402	0.0171	21.0000	0.506	1.12	2.65	24400.0000	-1.00	7
421	5.154	0.402	0.0155	22.9000	0.506	1.12	2.65	25200.0000	-1.00	7
422	5.154	0.402	0.0137	23.4000	0.506	1.12	2.65	27200.0000	-1.00	7
423	10.279	0.402	0.0530	3.2000	0.506	1.12	2.65	850.0000	-1.00	3
424	10.279	0.402	0.0518	3.5000	0.506	1.12	2.65	860.0000	-1.00	3
425	10.279	0.402	0.0543	5.6000	0.506	1.12	2.65	2520.0000	-1.00	3
426	10.279	0.402	0.0387	5.6000	0.506	1.12	2.65	2560.0000	-1.00	3
427	10.279	0.402	0.0375	7.2000	0.506	1.12	2.65	3700.0000	-1.00	3
428	10.279	0.402	0.0372	7.9000	0.506	1.12	2.65	5000.0000	-1.00	3
429	10.279	0.402	0.0366	8.9000	0.506	1.12	2.65	5800.0000	-1.00	4
430	10.279	0.402	0.0323	10.7000	0.506	1.12	2.65	8300.0000	-1.00	5
431	10.279	0.402	0.0317	12.3000	0.506	1.12	2.65	10800.0000	-1.00	5
432	10.279	0.402	0.0305	12.7000	0.506	1.12	2.65	11400.0000	-1.00	5
433	10.279	0.402	0.0296	13.2000	0.506	1.12	2.65	12600.0000	-1.00	5
434	10.279	0.402	0.0259	13.3000	0.506	1.12	2.65	12500.0000	-1.00	5
435	10.279	0.402	0.0274	14.6000	0.506	1.12	2.65	15000.0000	-1.00	4
436	10.279	0.402	0.0271	14.4000	0.506	1.12	2.65	15300.0000	-1.00	4
437	15.432	0.402	0.0567	5.6000	0.506	1.12	2.65	2340.0000	-1.00	3
438	15.432	0.402	0.0524	6.2000	0.506	1.12	2.65	3550.0000	-1.00	3
439	15.432	0.402	0.0463	6.9000	0.506	1.12	2.65	5100.0000	-1.00	3
440	15.432	0.402	0.0463	8.3000	0.506	1.12	2.65	6200.0000	-1.00	4

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 9 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
441	15.432	0.402	0.0430	8.5000	0.506	1.12	2.65	7650.0000	-1.00	5
442	15.432	0.402	0.0402	11.0000	0.506	1.12	2.65	10300.0000	-1.00	5
443	15.432	0.402	0.0360	13.7000	0.506	1.12	2.65	13600.0000	-1.00	4
444	20.784	0.402	0.1268	1.6000	0.506	1.12	2.65	215.9998	-1.00	3
445	20.784	0.402	0.0988	2.0000	0.506	1.12	2.65	670.0000	-1.00	3
446	20.784	0.402	0.0890	3.5000	0.506	1.12	2.65	1400.0000	-1.00	3
447	20.784	0.402	0.0640	5.1000	0.506	1.12	2.65	2600.0000	-1.00	3
448	20.784	0.402	0.0652	5.0000	0.506	1.12	2.65	2800.0000	-1.00	3
449	20.784	0.402	0.0576	5.5000	0.506	1.12	2.65	3600.0000	-1.00	0
450	20.784	0.402	0.0567	6.5000	0.506	1.12	2.65	5050.0000	-1.00	4
451	20.784	0.402	0.0357	7.5000	0.506	1.12	2.65	5400.0000	-1.00	0
452	20.784	0.402	0.0558	7.3000	0.506	1.12	2.65	5800.0000	-1.00	0
453	20.784	0.402	0.0509	8.7000	0.506	1.12	2.65	7650.0000	-1.00	5
454	20.784	0.402	0.0497	10.5000	0.506	1.12	2.65	10900.0000	-1.00	5
455	20.784	0.402	0.0454	11.5000	0.506	1.12	2.65	12100.0000	-1.00	5
456	20.784	0.402	0.0436	13.7000	0.506	1.12	2.65	14800.0000	-1.00	4
457	10.279	0.597	0.0430	3.5000	0.506	1.12	2.65	992.9998	-1.00	3
458	10.279	0.597	0.0323	5.9000	0.506	1.12	2.65	1555.9998	-1.00	3
459	10.279	0.597	0.0344	7.1000	0.506	1.12	2.65	2480.0000	-1.00	3
460	10.279	0.597	0.0305	9.0000	0.506	1.12	2.65	3890.0000	-1.00	4
461	10.279	0.597	0.0271	9.9000	0.506	1.12	2.65	5830.0000	-1.00	4
462	10.279	0.597	0.0244	10.9000	0.506	1.12	2.65	7480.0000	-1.00	4
463	10.279	0.597	0.0238	12.1000	0.506	1.12	2.65	8750.0000	-1.00	5
464	10.279	0.597	0.0204	14.1000	0.506	1.12	2.65	12050.0000	-1.00	5
465	10.279	0.597	0.0192	16.3000	0.506	1.12	2.65	15840.0000	-1.00	4
466	10.279	0.597	0.0195	16.7000	0.506	1.12	2.65	17000.0000	-1.00	4
467	10.279	0.597	0.0204	18.5000	0.506	1.12	2.65	19750.0000	-1.00	4
468	10.279	0.597	0.0186	19.3000	0.506	1.12	2.65	22100.0000	-1.00	4
469	10.279	0.597	0.0183	20.3000	0.506	1.12	2.65	22100.0000	-1.00	4
470	15.432	0.597	0.0451	5.6000	0.506	1.12	2.65	1950.0000	-1.00	3
471	15.432	0.597	0.0387	7.0000	0.506	1.12	2.65	3600.0000	-1.00	3
472	15.432	0.597	0.0344	7.9000	0.506	1.12	2.65	5100.0000	-1.00	3
473	15.432	0.597	0.0351	9.2000	0.506	1.12	2.65	6500.0000	-1.00	4
474	15.432	0.597	0.0305	10.7000	0.506	1.12	2.65	8900.0000	-1.00	5
475	15.432	0.597	0.0299	11.0000	0.506	1.12	2.65	10700.0000	-1.00	5
476	15.432	0.597	0.0287	13.4000	0.506	1.12	2.65	13600.0000	-1.00	4
477	15.432	0.597	0.0287	13.8000	0.506	1.12	2.65	15600.0000	-1.00	4
478	15.432	0.597	0.0244	15.8000	0.506	1.12	2.65	17200.0000	-1.00	4
479	15.432	0.597	0.0216	18.5000	0.506	1.12	2.65	20800.0000	-1.00	7
480	20.784	0.597	0.0594	4.4000	0.506	1.12	2.65	1640.0000	-1.00	3
481	20.784	0.597	0.0637	4.0000	0.506	1.12	2.65	1850.0000	-1.00	3
482	20.784	0.597	0.0539	3.7000	0.506	1.12	2.65	2360.0000	-1.00	3
483	20.784	0.597	0.0521	4.9000	0.506	1.12	2.65	2640.0000	-1.00	3
484	20.784	0.597	0.0491	6.1000	0.506	1.12	2.65	3180.0000	-1.00	3
485	20.784	0.597	0.0533	5.8000	0.506	1.12	2.65	3400.0000	-1.00	3
486	20.784	0.597	0.0472	6.1000	0.506	1.12	2.65	3500.0000	-1.00	3
487	20.784	0.597	0.0472	6.0000	0.506	1.12	2.65	4200.0000	-1.00	4
488	20.784	0.597	0.0442	6.9000	0.506	1.12	2.65	5350.0000	-1.00	4
489	20.784	0.597	0.0448	7.5000	0.506	1.12	2.65	4600.0000	-1.00	3
490	20.784	0.597	0.0424	9.2000	0.506	1.12	2.65	8000.0000	-1.00	4
491	20.784	0.597	0.0357	11.7000	0.506	1.12	2.65	11600.0000	-1.00	5
492	20.784	0.597	0.0344	12.2000	0.506	1.12	2.65	12500.0000	-1.00	5
493	20.784	0.597	0.0323	13.1000	0.506	1.12	2.65	14500.0000	-1.00	4
494	20.784	0.597	0.0320	15.3000	0.506	1.12	2.65	16100.0000	-1.00	7
495	31.686	0.597	0.0677	5.3000	0.506	1.12	2.65	2840.0000	-1.00	3

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 10 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
496	31.686	0.597	0.0625	6.0000	0.506	1.12	2.65	3640.0000	-1.00	0
497	31.686	0.597	0.0616	6.4000	0.506	1.12	2.65	4100.0000	-1.00	5
498	31.686	0.597	0.0549	5.5000	0.506	1.12	2.65	4260.0000	-1.00	5
499	31.686	0.597	0.0597	6.5000	0.506	1.12	2.65	4420.0000	-1.00	0
500	31.686	0.597	0.0607	7.9000	0.506	1.12	2.65	4400.0000	-1.00	5
501	31.686	0.597	0.0585	7.1000	0.506	1.12	2.65	4570.0000	-1.00	5
502	31.686	0.597	0.0543	7.8000	0.506	1.12	2.65	6800.0000	-1.00	5
503	31.686	0.597	0.0521	7.8000	0.506	1.12	2.65	8000.0000	-1.00	5
504	31.686	0.597	0.0506	9.7000	0.506	1.12	2.65	10400.0000	-1.00	5
505	31.686	0.597	0.0463	10.3000	0.506	1.12	2.65	11400.0000	-1.00	5
506	2.633	0.201	0.0235	8.0000	0.786	1.13	2.65	2010.0000	-1.00	3
507	2.633	0.201	0.0235	9.4000	0.786	1.13	2.65	3070.0000	-1.00	3
508	2.633	0.201	0.0229	11.9000	0.786	1.13	2.65	4940.0000	-1.00	4
509	2.633	0.201	0.0232	13.9000	0.786	1.13	2.65	7600.0000	-1.00	4
510	2.633	0.201	0.0192	16.8000	0.786	1.13	2.65	8000.0000	-1.00	5
511	2.633	0.201	0.0177	18.3000	0.786	1.13	2.65	11000.0000	-1.00	5
512	2.633	0.201	0.0186	18.8000	0.786	1.13	2.65	13600.0000	-1.00	5
513	2.633	0.201	0.0192	19.8000	0.786	1.13	2.65	17100.0000	-1.00	5
514	2.633	0.201	0.0171	22.5000	0.786	1.13	2.65	17800.0000	-1.00	5
515	2.633	0.201	0.0171	24.7000	0.786	1.13	2.65	23500.0000	-1.00	5
516	5.154	0.201	0.0506	3.9000	0.786	1.13	2.65	1180.0000	-1.00	3
517	5.154	0.201	0.0448	7.7000	0.786	1.13	2.65	2720.0000	-1.00	3
518	5.154	0.201	0.0411	8.2000	0.786	1.13	2.65	3300.0000	-1.00	3
519	5.154	0.201	0.0375	9.5000	0.786	1.13	2.65	4500.0000	-1.00	4
520	5.154	0.201	0.0320	11.0000	0.786	1.13	2.65	5800.0000	-1.00	4
521	5.154	0.201	0.0329	12.6000	0.786	1.13	2.65	9100.0000	-1.00	5
522	5.154	0.201	0.0329	14.0000	0.786	1.13	2.65	10300.0000	-1.00	5
523	5.154	0.201	0.0274	19.5000	0.786	1.13	2.65	16100.0000	-1.00	5
524	5.154	0.201	0.0274	21.0000	0.786	1.13	2.65	21000.0000	-1.00	5
525	5.154	0.201	0.0274	22.6000	0.786	1.13	2.65	23500.0000	-1.00	5
526	5.154	0.201	0.0283	22.8000	0.786	1.13	2.65	24700.0000	-1.00	5
527	5.154	0.201	0.0274	23.9000	0.786	1.13	2.65	26000.0000	-1.00	5
528	15.432	0.201	0.1414	1.9000	0.786	1.13	2.65	510.9998	-1.00	3
529	15.432	0.201	0.1295	2.0000	0.786	1.13	2.65	595.9998	-1.00	3
530	15.432	0.201	0.1164	5.1000	0.786	1.13	2.65	1130.0000	-1.00	3
531	15.432	0.201	0.0981	5.7000	0.786	1.13	2.65	1900.0000	-1.00	0
532	15.432	0.201	0.0963	6.4000	0.786	1.13	2.65	2300.0000	-1.00	0
533	15.432	0.201	0.0814	8.1000	0.786	1.13	2.65	4150.0000	-1.00	4
534	15.432	0.201	0.0722	9.6000	0.786	1.13	2.65	6000.0000	-1.00	5
535	15.432	0.201	0.0661	12.5000	0.786	1.13	2.65	9400.0000	-1.00	5
536	15.432	0.201	0.0643	14.2000	0.786	1.13	2.65	11100.0000	-1.00	5
537	15.432	0.201	0.0616	15.5000	0.786	1.13	2.65	13100.0000	-1.00	5
538	15.432	0.201	0.0637	15.8000	0.786	1.13	2.65	13500.0000	-1.00	5
539	15.432	0.201	0.0582	15.7000	0.786	1.13	2.65	14100.0000	-1.00	5
540	15.432	0.201	0.0539	16.5000	0.786	1.13	2.65	15000.0000	-1.00	5
541	15.432	0.201	0.0597	19.8000	0.786	1.13	2.65	21400.0000	-1.00	5
542	5.154	0.305	0.0335	6.9000	0.786	1.13	2.65	1840.0000	-1.00	3
543	5.154	0.305	0.0305	8.4000	0.786	1.13	2.65	3100.0000	-1.00	3
544	5.154	0.305	0.0287	10.6000	0.786	1.13	2.65	4270.0000	-1.00	4
545	5.154	0.305	0.0302	10.8000	0.786	1.13	2.65	5200.0000	-1.00	4
546	5.154	0.305	0.0268	11.4000	0.786	1.13	2.65	5400.0000	-1.00	4
547	5.154	0.305	0.0262	13.4000	0.786	1.13	2.65	9300.0000	-1.00	4
548	5.154	0.305	0.0250	13.9000	0.786	1.13	2.65	9500.0000	-1.00	5
549	5.154	0.305	0.0216	15.7000	0.786	1.13	2.65	10900.0000	-1.00	5
550	5.154	0.305	0.0201	18.3000	0.786	1.13	2.65	15500.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 11 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
551	5.154	0.305	0.0213	20.9000	0.786	1.13	2.65	19000.0000	-1.00	5
552	5.154	0.305	0.0201	23.3000	0.786	1.13	2.65	21100.0000	-1.00	5
553	5.154	0.305	0.0189	25.5000	0.786	1.13	2.65	24400.0000	-1.00	5
554	5.154	0.305	0.0195	27.5000	0.786	1.13	2.65	29500.0000	-1.00	5
555	10.279	0.305	0.1274	0.3700	0.786	1.13	2.65	0.0	-1.00	3
556	10.279	0.305	0.0881	1.8000	0.786	1.13	2.65	198.9998	-1.00	3
557	10.279	0.305	0.0872	1.8000	0.786	1.13	2.65	185.0000	-1.00	3
558	10.279	0.305	0.0768	2.5000	0.786	1.13	2.65	550.0000	-1.00	3
559	10.279	0.305	0.0683	3.5000	0.786	1.13	2.65	1170.0000	-1.00	3
560	10.279	0.305	0.0693	4.2000	0.786	1.13	2.65	1170.0000	-1.00	3
561	10.279	0.305	0.0607	5.7000	0.786	1.13	2.65	2240.0000	-1.00	3
562	10.279	0.305	0.0518	6.5000	0.786	1.13	2.65	2700.0000	-1.00	3
563	10.279	0.305	0.0500	8.0000	0.786	1.13	2.65	3400.0000	-1.00	4
564	10.279	0.305	0.0415	11.4000	0.786	1.13	2.65	8350.0000	-1.00	5
565	10.279	0.305	0.0366	13.2000	0.786	1.13	2.65	10900.0000	-1.00	5
566	10.279	0.305	0.0354	14.4000	0.786	1.13	2.65	12600.0000	-1.00	5
567	10.279	0.305	0.0357	14.9000	0.786	1.13	2.65	13700.0000	-1.00	5
568	10.279	0.305	0.0351	16.5000	0.786	1.13	2.65	16500.0000	-1.00	5
569	10.279	0.305	0.0314	17.5000	0.786	1.13	2.65	17600.0000	-1.00	5
570	10.279	0.305	0.0302	19.5000	0.786	1.13	2.65	22300.0000	-1.00	5
571	10.279	0.305	0.0299	21.0000	0.786	1.13	2.65	25000.0000	-1.00	5
572	15.432	0.305	0.0732	5.3000	0.786	1.13	2.65	2000.0000	-1.00	0
573	15.432	0.305	0.0735	5.5000	0.786	1.13	2.65	2050.0000	-1.00	0
574	15.432	0.305	0.0570	7.8000	0.786	1.13	2.65	4300.0000	-1.00	4
575	15.432	0.305	0.0506	11.1000	0.786	1.13	2.65	9300.0000	-1.00	5
576	15.432	0.305	0.0494	12.6000	0.786	1.13	2.65	10900.0000	-1.00	5
577	15.432	0.305	0.0415	15.8000	0.786	1.13	2.65	14800.0000	-1.00	5
578	15.432	0.305	0.0415	16.1000	0.786	1.13	2.65	16600.0000	-1.00	5
579	15.432	0.305	0.0427	16.2000	0.786	1.13	2.65	18200.0000	-1.00	5
580	15.432	0.305	0.0415	17.4000	0.786	1.13	2.65	20000.0000	-1.00	5
581	15.432	0.305	0.0415	19.1000	0.786	1.13	2.65	22000.0000	-1.00	5
582	20.784	0.305	0.1469	2.1000	0.786	1.13	2.65	295.9998	-1.00	3
583	20.784	0.305	0.1253	3.2000	0.786	1.13	2.65	745.0000	-1.00	3
584	20.784	0.305	0.1250	3.8000	0.786	1.13	2.65	1030.0000	-1.00	3
585	20.784	0.305	0.0869	6.1000	0.786	1.13	2.65	985.9998	-1.00	3
586	20.784	0.305	0.0762	6.1000	0.786	1.13	2.65	3200.0000	-1.00	3
587	20.784	0.305	0.0735	7.5000	0.786	1.13	2.65	4000.0000	-1.00	5
588	20.784	0.305	0.0671	8.3000	0.786	1.13	2.65	5200.0000	-1.00	4
589	20.784	0.305	0.0628	9.8000	0.786	1.13	2.65	8200.0000	-1.00	5
590	20.784	0.305	0.0604	10.9000	0.786	1.13	2.65	9100.0000	-1.00	5
591	20.784	0.305	0.0594	11.9000	0.786	1.13	2.65	9300.0000	-1.00	5
592	20.784	0.305	0.0576	13.9000	0.786	1.13	2.65	12700.0000	-1.00	5
593	20.784	0.305	0.0564	14.6000	0.786	1.13	2.65	14100.0000	-1.00	5
594	20.784	0.305	0.0533	17.3000	0.786	1.13	2.65	17000.0000	-1.00	5
595	20.784	0.305	0.0494	17.6000	0.786	1.13	2.65	18140.0000	-1.00	5
596	10.279	0.402	0.0427	3.0000	0.786	1.13	2.65	970.0000	-1.00	3
597	10.279	0.402	0.0521	3.4000	0.786	1.13	2.65	1020.0000	-1.00	3
598	10.279	0.402	0.0469	6.8000	0.786	1.13	2.65	2350.0000	-1.00	3
599	10.279	0.402	0.0378	10.0000	0.786	1.13	2.65	5400.0000	-1.00	3
600	10.279	0.402	0.0393	10.5000	0.786	1.13	2.65	5700.0000	-1.00	3
601	10.279	0.402	0.0326	12.5000	0.786	1.13	2.65	9200.0000	-1.00	0
602	10.279	0.402	0.0338	12.5000	0.786	1.13	2.65	9680.0000	-1.00	5
603	10.279	0.402	0.0274	15.4000	0.786	1.13	2.65	14100.0000	-1.00	5
604	10.279	0.402	0.0287	15.7000	0.786	1.13	2.65	14700.0000	-1.00	5
605	10.279	0.402	0.0271	16.7000	0.786	1.13	2.65	16000.0000	-1.00	5

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 12 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
606	10.279	0.402	0.0268	18.9000	0.786	1.13	2.65	20900.0000	-1.00	5
607	10.279	0.402	0.0265	19.1000	0.786	1.13	2.65	21900.0000	-1.00	5
608	20.784	0.402	0.1079	3.4000	0.786	1.13	2.65	770.0000	-1.00	3
609	20.784	0.402	0.0927	3.7000	0.786	1.13	2.65	1130.0000	-1.00	3
610	20.784	0.402	0.0692	5.2000	0.786	1.13	2.65	2200.0000	-1.00	3
611	20.784	0.402	0.0756	5.8000	0.786	1.13	2.65	2400.0000	-1.00	3
612	20.784	0.402	0.0704	6.1000	0.786	1.13	2.65	2400.0000	-1.00	3
613	20.784	0.402	0.0616	6.2000	0.786	1.13	2.65	2650.0000	-1.00	0
614	20.784	0.402	0.0613	5.5000	0.786	1.13	2.65	3320.0000	-1.00	0
615	20.784	0.402	0.0695	7.0000	0.786	1.13	2.65	3050.0000	-1.00	0
616	20.784	0.402	0.0585	7.8000	0.786	1.13	2.65	3800.0000	-1.00	0
617	20.784	0.402	0.0552	6.7000	0.786	1.13	2.65	4160.0000	-1.00	0
618	20.784	0.402	0.0500	10.0000	0.786	1.13	2.65	8200.0000	-1.00	5
619	20.784	0.402	0.0512	9.9000	0.786	1.13	2.65	9100.0000	-1.00	5
620	20.784	0.402	0.0475	11.5000	0.786	1.13	2.65	9600.0000	-1.00	5
621	20.784	0.402	0.0463	11.7000	0.786	1.13	2.65	9400.0000	-1.00	5
622	5.154	0.201	0.0381	12.0000	1.710	1.34	2.65	4400.0000	-1.00	3
623	5.154	0.201	0.0357	12.7000	1.710	1.34	2.65	4400.0000	-1.00	0
624	5.154	0.201	0.0351	14.3000	1.710	1.34	2.65	5700.0000	-1.00	4
625	5.154	0.201	0.0351	14.8000	1.710	1.34	2.65	6000.0000	-1.00	0
626	5.154	0.201	0.0347	15.6000	1.710	1.34	2.65	5900.0000	-1.00	0
627	10.279	0.201	0.0610	10.4000	1.710	1.34	2.65	3360.0000	-1.00	4
628	10.279	0.201	0.0600	12.7000	1.710	1.34	2.65	4400.0000	-1.00	4
629	10.279	0.201	0.0610	12.6000	1.710	1.34	2.65	4600.0000	-1.00	0
630	10.279	0.201	0.0564	12.9000	1.710	1.34	2.65	4700.0000	-1.00	0
631	20.784	0.201	0.1134	10.3000	1.710	1.34	2.65	2290.0000	-1.00	3
632	20.784	0.201	0.1180	10.9000	1.710	1.34	2.65	2360.0000	-1.00	3
633	31.686	0.201	0.1713	5.6000	1.710	1.34	2.65	1490.0000	-1.00	3
634	5.154	0.305	0.0287	11.1000	1.710	1.34	2.65	3700.0000	-1.00	0
635	5.154	0.305	0.0265	11.2000	1.710	1.34	2.65	3700.0000	-1.00	0
636	5.154	0.305	0.0247	18.0000	1.710	1.34	2.65	8800.0000	-1.00	0
637	5.154	0.305	0.0235	18.0000	1.710	1.34	2.65	9100.0000	-1.00	0
638	5.154	0.305	0.0283	19.4000	1.710	1.34	2.65	9700.0000	-1.00	0
639	10.279	0.305	0.0844	2.2000	1.710	1.34	2.65	240.0000	-1.00	3
640	10.279	0.305	0.0738	2.5000	1.710	1.34	2.65	210.0000	-1.00	3
641	10.279	0.305	0.0655	4.4000	1.710	1.34	2.65	700.0000	-1.00	0
642	10.279	0.305	0.0634	4.4000	1.710	1.34	2.65	700.0000	-1.00	0
643	10.279	0.305	0.0509	8.7000	1.710	1.34	2.65	2230.0000	-1.00	4
644	10.279	0.305	0.0344	18.3000	1.710	1.34	2.65	9700.0000	-1.00	4
645	10.279	0.305	0.0351	23.0000	1.710	1.34	2.65	15000.0000	-1.00	4
646	20.784	0.305	0.1362	1.9000	1.710	1.34	2.65	91.0000	-1.00	3
647	20.784	0.305	0.1399	1.8000	1.710	1.34	2.65	137.0000	-1.00	3
648	20.784	0.305	0.1228	2.9000	1.710	1.34	2.65	273.9998	-1.00	3
649	20.784	0.305	0.1241	2.6000	1.710	1.34	2.65	410.0000	-1.00	3
650	20.784	0.305	0.1106	4.6000	1.710	1.34	2.65	980.0000	-1.00	3
651	20.784	0.305	0.0924	4.8000	1.710	1.34	2.65	980.0000	-1.00	3
652	20.784	0.305	0.0917	4.7000	1.710	1.34	2.65	1200.0000	-1.00	3
653	20.784	0.305	0.0988	7.3000	1.710	1.34	2.65	2060.0000	-1.00	3
654	20.784	0.305	0.0994	7.4000	1.710	1.34	2.65	2110.0000	-1.00	3
655	20.784	0.305	0.0832	8.4000	1.710	1.34	2.65	2210.0000	-1.00	3
656	20.784	0.305	0.0719	11.9000	1.710	1.34	2.65	4200.0000	-1.00	4
657	20.784	0.305	0.0680	12.3000	1.710	1.34	2.65	4700.0000	-1.00	0
658	20.784	0.305	0.0570	14.6000	1.710	1.34	2.65	6660.0000	-1.00	0
659	20.784	0.305	0.0576	14.9000	1.710	1.34	2.65	7000.0000	-1.00	0
660	31.686	0.305	0.1158	5.2000	1.710	1.34	2.65	1530.0000	-1.00	0

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 13 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
661	31.686	0.305	0.1237	5.9000	1.710	1.34	2.65	1530.0000	-1.00	0
662	10.279	0.402	0.0399	6.7000	1.710	1.34	2.65	1950.0000	-1.00	3
663	10.279	0.402	0.0393	7.3000	1.710	1.34	2.65	1950.0000	-1.00	3
664	10.279	0.402	0.0296	17.8000	1.710	1.34	2.65	8650.0000	-1.00	0
665	20.784	0.402	0.0728	6.0000	1.710	1.34	2.65	1590.0000	-1.00	3
666	20.784	0.402	0.0604	11.0000	1.710	1.34	2.65	4140.0000	-1.00	0
667	20.784	0.402	0.0643	11.2000	1.710	1.34	2.65	4140.0000	-1.00	0
668	31.686	0.402	0.0988	5.8000	1.710	1.34	2.65	1510.0000	-1.00	3
669	31.686	0.402	0.0966	6.2000	1.710	1.34	2.65	1570.0000	-1.00	3
670	5.154	0.201	0.0360	12.9000	3.170	1.13	2.65	2130.0000	-1.00	5
671	5.154	0.201	0.0393	13.1000	3.170	1.13	2.65	2230.0000	-1.00	5
672	5.154	0.201	0.0311	25.1000	3.170	1.13	2.65	10700.0000	-1.00	5
673	5.154	0.201	0.0323	25.0000	3.170	1.13	2.65	10700.0000	-1.00	5
674	10.279	0.201	0.0631	11.2000	3.170	1.13	2.65	2530.0000	-1.00	5
675	10.279	0.201	0.0622	11.3000	3.170	1.13	2.65	2530.0000	-1.00	5
676	10.279	0.201	0.0536	18.9000	3.170	1.13	2.65	7300.0000	-1.00	0
677	10.279	0.201	0.0518	19.6000	3.170	1.13	2.65	6900.0000	-1.00	0
678	20.784	0.201	0.1055	9.7000	3.170	1.13	2.65	1730.0000	-1.00	3
679	20.784	0.201	0.1036	10.0000	3.170	1.13	2.65	1750.0000	-1.00	3
680	5.154	0.305	0.0274	13.6000	3.170	1.13	2.65	1320.0000	-1.00	5
681	5.154	0.305	0.0238	24.9000	3.170	1.13	2.65	8050.0000	-1.00	5
682	5.154	0.305	0.0244	25.3000	3.170	1.13	2.65	8250.0000	-1.00	5
683	10.279	0.305	0.0488	8.5000	3.170	1.13	2.65	950.0000	-1.00	5
684	10.279	0.305	0.0491	9.1000	3.170	1.13	2.65	970.0000	-1.00	5
685	10.279	0.305	0.0390	16.5000	3.170	1.13	2.65	4760.0000	-1.00	5
686	10.279	0.305	0.0396	17.0000	3.170	1.13	2.65	4960.0000	-1.00	5
687	10.279	0.305	0.0427	16.8000	3.170	1.13	2.65	5200.0000	-1.00	5
688	20.784	0.305	0.0817	7.7000	3.170	1.13	2.65	1230.0000	-1.00	3
689	20.784	0.305	0.0808	7.7000	3.170	1.13	2.65	1230.0000	-1.00	3
690	20.784	0.305	0.0661	15.2000	3.170	1.13	2.65	4850.0000	-1.00	3
691	20.784	0.305	0.0643	16.0000	3.170	1.13	2.65	5250.0000	-1.00	3
692	31.686	0.305	0.1006	8.0000	3.170	1.13	2.65	1660.0000	-1.00	3
693	31.686	0.305	0.1045	8.5000	3.170	1.13	2.65	1710.0000	-1.00	3
694	10.279	0.402	0.0354	11.6000	3.170	1.13	2.65	2040.0000	-1.00	5
695	10.279	0.402	0.0360	12.1000	3.170	1.13	2.65	2040.0000	-1.00	5
696	10.279	0.402	0.0347	20.5000	3.170	1.13	2.65	6700.0000	-1.00	4
697	10.279	0.402	0.0329	20.7000	3.170	1.13	2.65	6900.0000	-1.00	4
698	20.784	0.402	0.0646	8.3000	3.170	1.13	2.65	1260.0000	-1.00	3
699	20.784	0.402	0.0637	8.5000	3.170	1.13	2.65	1280.0000	-1.00	3
700	20.784	0.402	0.0655	8.6000	3.170	1.13	2.65	1280.0000	-1.00	3
701	20.784	0.402	0.0536	14.8000	3.170	1.13	2.65	5000.0000	-1.00	0
702	20.784	0.402	0.0549	15.8000	3.170	1.13	2.65	5050.0000	-1.00	0
703	31.686	0.402	0.0838	7.4000	3.170	1.13	2.65	1700.0000	-1.00	3
704	31.686	0.402	0.0878	8.4000	3.170	1.13	2.65	1700.0000	-1.00	3
705	31.686	0.402	0.0866	8.4000	3.170	1.13	2.65	1880.0000	-1.00	3
706	10.279	0.201	0.0604	11.1000	4.938	1.13	2.65	1020.0000	-1.00	0
707	10.279	0.201	0.0567	14.4000	4.938	1.13	2.65	2400.0000	-1.00	0
708	10.279	0.201	0.0585	14.8000	4.938	1.13	2.65	2600.0000	-1.00	0
709	10.279	0.201	0.0533	18.2000	4.938	1.13	2.65	4750.0000	-1.00	0
710	10.279	0.201	0.0533	19.0000	4.938	1.13	2.65	4860.0000	-1.00	0
711	10.279	0.201	0.0488	25.6000	4.938	1.13	2.65	9730.0000	-1.00	0
712	10.279	0.201	0.0482	27.0000	4.938	1.13	2.65	10000.0000	-1.00	0
713	20.784	0.201	0.1137	6.8000	4.938	1.13	2.65	445.0000	-1.00	0
714	20.784	0.201	0.1109	7.0000	4.938	1.13	2.65	505.0000	-1.00	0
715	20.784	0.201	0.1042	9.5000	4.938	1.13	2.65	1230.0000	-1.00	0

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 14 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SREC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
716	20.784	0.201	0.0981	11.9000	4.938	1.13	2.65	2350.0000	-1.00	0
717	20.784	0.201	0.0988	11.9000	4.938	1.13	2.65	2350.0000	-1.00	0
718	20.784	0.201	0.0890	17.1000	4.938	1.13	2.65	5050.0000	-1.00	0
719	20.784	0.201	0.0796	24.3000	4.938	1.13	2.65	9900.0000	-1.00	0
720	20.784	0.201	0.0805	23.5000	4.938	1.13	2.65	10300.0000	-1.00	0
721	31.686	0.201	0.1701	6.2000	4.938	1.13	2.65	346.9998	-1.00	0
722	31.686	0.201	0.1402	9.8000	4.938	1.13	2.65	1580.0000	-1.00	0
723	31.686	0.201	0.1375	10.2000	4.938	1.13	2.65	1640.0000	-1.00	0
724	31.686	0.201	0.1262	13.5000	4.938	1.13	2.65	3060.0000	-1.00	0
725	31.686	0.201	0.1253	13.2000	4.938	1.13	2.65	3370.0000	-1.00	0
726	31.686	0.201	0.1140	19.7000	4.938	1.13	2.65	6520.0000	-1.00	0
727	31.686	0.201	0.1152	19.5000	4.938	1.13	2.65	6600.0000	-1.00	0
728	31.686	0.201	0.1079	24.0000	4.938	1.13	2.65	9700.0000	-1.00	0
729	10.279	0.305	0.0436	12.7000	4.938	1.13	2.65	970.0000	-1.00	5
730	10.279	0.305	0.0424	14.8000	4.938	1.13	2.65	2000.0000	-1.00	5
731	10.279	0.305	0.0415	16.1000	4.938	1.13	2.65	2430.0000	-1.00	5
732	10.279	0.305	0.0430	16.2000	4.938	1.13	2.65	2600.0000	-1.00	5
733	10.279	0.305	0.0402	17.6000	4.938	1.13	2.65	3300.0000	-1.00	5
734	10.279	0.305	0.0393	20.9000	4.938	1.13	2.65	4910.0000	-1.00	5
735	10.279	0.305	0.0347	27.4000	4.938	1.13	2.65	9740.0000	-1.00	0
736	20.784	0.305	0.0829	7.8000	4.938	1.13	2.65	515.0000	-1.00	5
737	20.784	0.305	0.0756	8.6000	4.938	1.13	2.65	960.0000	-1.00	5
738	20.784	0.305	0.0756	9.5000	4.938	1.13	2.65	1200.0000	-1.00	5
739	20.784	0.305	0.0765	9.7000	4.938	1.13	2.65	1250.0000	-1.00	5
740	20.784	0.305	0.0716	12.7000	4.938	1.13	2.65	2400.0000	-1.00	5
741	20.784	0.305	0.0652	16.9000	4.938	1.13	2.65	4800.0000	-1.00	5
742	20.784	0.305	0.0579	23.0000	4.938	1.13	2.65	9380.0000	-1.00	0
743	20.784	0.305	0.0582	23.7000	4.938	1.13	2.65	9930.0000	-1.00	0
744	10.279	0.402	0.0351	19.0000	4.938	1.13	2.65	2380.0000	-1.00	0
745	10.279	0.402	0.0317	19.7000	4.938	1.13	2.65	2480.0000	-1.00	0
746	10.279	0.402	0.0329	22.5000	4.938	1.13	2.65	4900.0000	-1.00	0
747	10.279	0.402	0.0320	23.4000	4.938	1.13	2.65	4800.0000	-1.00	0
748	10.279	0.402	0.0283	30.2000	4.938	1.13	2.65	9400.0000	-1.00	0
749	10.279	0.402	0.0296	31.0000	4.938	1.13	2.65	10700.0000	-1.00	0
750	31.686	0.305	0.1186	6.4000	4.938	1.13	2.65	315.0000	-1.00	5
751	31.686	0.305	0.1088	6.6000	4.938	1.13	2.65	770.0000	-1.00	0
752	31.686	0.305	0.1094	6.7000	4.938	1.13	2.65	790.0000	-1.00	0
753	31.686	0.305	0.0988	9.7000	4.938	1.13	2.65	1610.0000	-1.00	0
754	31.686	0.305	0.0994	9.0000	4.938	1.13	2.65	1640.0000	-1.00	0
755	31.686	0.305	0.0939	12.2000	4.938	1.13	2.65	3180.0000	-1.00	0
756	31.686	0.305	0.0936	13.1000	4.938	1.13	2.65	3220.0000	-1.00	0
757	31.686	0.305	0.0838	17.8000	4.938	1.13	2.65	6600.0000	-1.00	0
758	31.686	0.305	0.0768	20.4000	4.938	1.13	2.65	9500.0000	-1.00	0
759	31.686	0.305	0.0771	22.1000	4.938	1.13	2.65	9700.0000	-1.00	0
760	20.784	0.402	0.0640	8.2000	4.938	1.13	2.65	460.0000	-1.00	0
761	20.784	0.402	0.0640	8.2000	4.938	1.13	2.65	530.0000	-1.00	0
762	20.784	0.402	0.0591	10.8000	4.938	1.13	2.65	1180.0000	-1.00	0
763	20.784	0.402	0.0610	11.4000	4.938	1.13	2.65	1250.0000	-1.00	0
764	20.784	0.402	0.0588	14.1000	4.938	1.13	2.65	2450.0000	-1.00	0
765	20.784	0.402	0.0521	18.2000	4.938	1.13	2.65	4900.0000	-1.00	0
766	20.784	0.402	0.0497	24.4000	4.938	1.13	2.65	9690.0000	-1.00	0
767	31.686	0.402	0.0905	7.1000	4.938	1.13	2.65	380.0000	-1.00	0
768	31.686	0.402	0.0823	9.0000	4.938	1.13	2.65	1530.0000	-1.00	0
769	31.686	0.402	0.0796	10.7000	4.938	1.13	2.65	1860.0000	-1.00	0
770	31.686	0.402	0.0756	13.1000	4.938	1.13	2.65	3050.0000	-1.00	0

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 15 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
771	31.686	0.402	0.0747	14.0000	4.938	1.13	2.65	3300.0000	-1.00	0
772	31.686	0.402	0.0701	18.3000	4.938	1.13	2.65	6260.0000	-1.00	0
773	31.686	0.402	0.0613	21.7000	4.938	1.13	2.65	9100.0000	-1.00	0
774	31.686	0.402	0.0616	22.6000	4.938	1.13	2.65	9560.0000	-1.00	0
775	10.279	0.201	0.0561	14.9000	7.010	1.12	2.65	930.0000	-1.00	0
776	10.279	0.201	0.0561	15.8000	7.010	1.12	2.65	1070.0000	-1.00	0
777	10.279	0.201	0.0558	18.0000	7.010	1.12	2.65	1850.0000	-1.00	0
778	10.279	0.201	0.0527	18.4000	7.010	1.12	2.65	2090.0000	-1.00	0
779	10.279	0.201	0.0509	24.3000	7.010	1.12	2.65	5000.0000	-1.00	0
780	10.279	0.201	0.0527	24.7000	7.010	1.12	2.65	5250.0000	-1.00	0
781	20.784	0.201	0.1052	9.0000	7.010	1.12	2.65	432.9998	-1.00	0
782	20.784	0.201	0.1061	9.5000	7.010	1.12	2.65	505.9998	-1.00	0
783	20.784	0.201	0.1015	11.0000	7.010	1.12	2.65	990.0000	-1.00	0
784	20.784	0.201	0.1049	11.9000	7.010	1.12	2.65	1040.0000	-1.00	0
785	20.784	0.201	0.0975	15.0000	7.010	1.12	2.65	2500.0000	-1.00	0
786	20.784	0.201	0.0945	15.1000	7.010	1.12	2.65	2500.0000	-1.00	0
787	20.784	0.201	0.0881	20.2000	7.010	1.12	2.65	5050.0000	-1.00	0
788	20.784	0.201	0.0762	26.9000	7.010	1.12	2.65	10100.0000	-1.00	0
789	20.784	0.201	0.0771	29.2000	7.010	1.12	2.65	10400.0000	-1.00	0
790	31.686	0.201	0.1530	7.4000	7.010	1.12	2.65	350.0000	-1.00	0
791	31.686	0.201	0.1554	8.1000	7.010	1.12	2.65	315.0000	-1.00	0
792	31.686	0.201	0.1533	8.9000	7.010	1.12	2.65	350.0000	-1.00	0
793	31.686	0.201	0.1433	10.3000	7.010	1.12	2.65	820.0000	-1.00	0
794	31.686	0.201	0.1347	12.6000	7.010	1.12	2.65	1640.0000	-1.00	0
795	31.686	0.201	0.1332	12.8000	7.010	1.12	2.65	1670.0000	-1.00	0
796	31.686	0.201	0.1362	13.3000	7.010	1.12	2.65	1670.0000	-1.00	0
797	31.686	0.201	0.1192	16.5000	7.010	1.12	2.65	3200.0000	-1.00	0
798	31.686	0.201	0.1213	16.3000	7.010	1.12	2.65	3330.0000	-1.00	0
799	31.686	0.201	0.1195	16.2000	7.010	1.12	2.65	3440.0000	-1.00	0
800	31.686	0.201	0.1036	23.1000	7.010	1.12	2.65	6600.0000	-1.00	0
801	31.686	0.201	0.1018	23.8000	7.010	1.12	2.65	6600.0000	-1.00	0
802	20.784	0.305	0.0707	5.8000	0.506	1.12	2.65	3800.9961	-1.00	4
803	20.784	0.305	0.0735	5.8000	0.506	1.12	2.65	2910.9961	-1.00	4
804	20.784	0.305	0.0591	9.9000	0.506	1.12	2.65	8515.9961	-1.00	0
805	26.136	0.305	0.0823	5.8000	0.506	1.12	2.65	3806.9971	-1.00	4
806	26.136	0.305	0.0860	6.2000	0.506	1.12	2.65	3768.9966	-1.00	4
807	26.136	0.305	0.0710	10.9000	0.506	1.12	2.65	10215.9961	-1.00	0
808	31.686	0.305	0.0951	5.7000	0.506	1.12	2.65	3612.9954	-1.00	4
809	31.686	0.305	0.0930	6.6000	0.506	1.12	2.65	3833.9966	-1.00	0
810	20.784	0.366	0.0677	5.1000	0.506	1.12	2.65	3367.9954	-1.00	4
811	20.784	0.366	0.0655	6.0000	0.506	1.12	2.65	3391.9971	-1.00	4
812	20.784	0.366	0.0527	10.5000	0.506	1.12	2.65	9886.9961	-1.00	4
813	20.784	0.366	0.0533	10.7000	0.506	1.12	2.65	10151.9961	-1.00	4
814	26.136	0.366	0.0707	6.5000	0.506	1.12	2.65	3883.9966	-1.00	4
815	26.136	0.366	0.0640	10.6000	0.506	1.12	2.65	9851.9961	-1.00	4
816	26.136	0.366	0.0613	10.1000	0.506	1.12	2.65	9947.9922	-1.00	4
817	28.911	0.366	0.0762	5.7000	0.506	1.12	2.65	3665.9961	-1.00	4
818	28.911	0.366	0.0799	5.4000	0.506	1.12	2.65	3786.9971	-1.00	4
819	28.911	0.366	0.0600	12.0000	0.506	1.12	2.65	10877.9922	-1.00	5
820	31.686	0.366	0.0820	6.2000	0.506	1.12	2.65	3502.9954	-1.00	4
821	31.686	0.366	0.0820	6.1000	0.506	1.12	2.65	3691.9971	-1.00	4
822	31.686	0.366	0.0683	10.0000	0.506	1.12	2.65	9688.9961	-1.00	5
823	31.686	0.366	0.0704	10.3000	0.506	1.12	2.65	10492.9922	-1.00	5
824	20.784	0.427	0.0607	6.3000	0.506	1.12	2.65	3607.9954	-1.00	4
825	20.784	0.427	0.0597	5.9000	0.506	1.12	2.65	3631.9971	-1.00	4

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 16 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
826	20.784	0.427	0.0482	10.4000	0.506	1.12	2.65	10463.9961	-1.00	5
827	20.784	0.427	0.0460	10.7000	0.506	1.12	2.65	10632.9922	-1.00	5
828	26.136	0.427	0.0716	5.1000	0.506	1.12	2.65	2888.9966	-1.00	4
829	26.136	0.427	0.0722	5.7000	0.506	1.12	2.65	2983.9966	-1.00	4
830	26.136	0.427	0.0536	10.3000	0.506	1.12	2.65	10521.9961	-1.00	5
831	26.136	0.427	0.0533	10.4000	0.506	1.12	2.65	11095.9961	-1.00	5
832	28.911	0.427	0.0756	5.8000	0.506	1.12	2.65	3095.9961	-1.00	0
833	28.911	0.427	0.0552	10.3000	0.506	1.12	2.65	10566.9961	-1.00	5
834	28.911	0.427	0.0549	10.8000	0.506	1.12	2.65	10583.9961	-1.00	5
835	31.686	0.427	0.0774	5.7000	0.506	1.12	2.65	3297.9954	-1.00	0
836	31.686	0.427	0.0704	6.1000	0.506	1.12	2.65	3991.9971	-1.00	0
837	31.686	0.427	0.0649	9.7000	0.506	1.12	2.65	9735.9961	-1.00	5
838	31.686	0.427	0.0655	10.1000	0.506	1.12	2.65	9798.9961	-1.00	5
839	31.686	0.427	0.0619	10.7000	0.506	1.12	2.65	9530.9961	-1.00	5
840	20.784	0.488	0.0582	6.0000	0.506	1.12	2.65	3343.9966	-1.00	0
841	20.784	0.488	0.0369	11.4000	0.506	1.12	2.65	12051.9961	-1.00	5
842	20.784	0.488	0.0372	11.2000	0.506	1.12	2.65	12917.9922	-1.00	5
843	26.136	0.488	0.0710	4.5000	0.506	1.12	2.65	2850.0000	-1.00	3
844	26.136	0.488	0.0616	4.6000	0.506	1.12	2.65	2640.0000	-1.00	3
845	26.136	0.488	0.0683	5.0000	0.506	1.12	2.65	2543.9998	-1.00	3
846	26.136	0.488	0.0491	10.5000	0.506	1.12	2.65	11420.9961	-1.00	5
847	26.136	0.488	0.0491	10.7000	0.506	1.12	2.65	10885.0000	-1.00	5
848	28.911	0.488	0.0741	3.9000	0.506	1.12	2.65	2300.0000	-1.00	0
849	28.911	0.488	0.0744	4.7000	0.506	1.12	2.65	2351.9998	-1.00	0
850	28.911	0.488	0.0707	5.1000	0.506	1.12	2.65	2525.0000	-1.00	0
851	28.911	0.488	0.0515	10.6000	0.506	1.12	2.65	10738.9961	-1.00	0
852	31.686	0.488	0.0692	4.9000	0.506	1.12	2.65	2603.9966	-1.00	4
853	31.686	0.488	0.0713	4.7000	0.506	1.12	2.65	2950.9961	-1.00	4
854	31.686	0.488	0.0710	5.5000	0.506	1.12	2.65	2887.9954	-1.00	4
855	31.686	0.488	0.0573	9.9000	0.506	1.12	2.65	10540.9961	-1.00	0
856	20.784	0.549	0.0530	6.1000	0.506	1.12	2.65	3320.0000	-1.00	3
857	20.784	0.549	0.0530	6.0000	0.506	1.12	2.65	3415.9961	-1.00	3
858	20.784	0.549	0.0418	10.4000	0.506	1.12	2.65	9982.9922	-1.00	5
859	20.784	0.549	0.0396	10.6000	0.506	1.12	2.65	9815.0000	-1.00	5
860	26.136	0.549	0.0628	5.3000	0.506	1.12	2.65	2773.9966	-1.00	3
861	26.136	0.549	0.0622	5.8000	0.506	1.12	2.65	2696.9971	-1.00	3
862	26.136	0.549	0.0479	10.4000	0.506	1.12	2.65	9910.0000	-1.00	5
863	26.136	0.549	0.0463	10.4000	0.506	1.12	2.65	10196.9961	-1.00	5
864	28.911	0.549	0.0683	5.1000	0.506	1.12	2.65	2403.9993	-1.00	3
865	28.911	0.549	0.0692	5.2000	0.506	1.12	2.65	2507.9998	-1.00	3
866	28.911	0.549	0.0686	5.7000	0.506	1.12	2.65	2525.0000	-1.00	3
867	28.911	0.549	0.0472	10.0000	0.506	1.12	2.65	10635.9961	-1.00	5
868	28.911	0.549	0.0482	10.1000	0.506	1.12	2.65	10445.0000	-1.00	5
869	31.686	0.549	0.0732	4.2000	0.506	1.12	2.65	2050.9998	-1.00	3
870	31.686	0.549	0.0741	4.7000	0.506	1.12	2.65	2350.9998	-1.00	3
871	31.686	0.549	0.0488	10.5000	0.506	1.12	2.65	12007.9922	-1.00	5
872	31.686	0.549	0.0509	10.5000	0.506	1.12	2.65	11802.9922	-1.00	5
873	20.784	0.597	0.0448	6.1000	0.506	1.12	2.65	4040.9961	-1.00	4
874	20.784	0.597	0.0445	6.9000	0.506	1.12	2.65	4137.9922	-1.00	4
875	20.784	0.597	0.0357	10.5000	0.506	1.12	2.65	11305.9961	-1.00	5
876	20.784	0.597	0.0375	10.9000	0.506	1.12	2.65	10896.9961	-1.00	5
877	20.784	0.597	0.0372	11.2000	0.506	1.12	2.65	11642.9922	-1.00	0
878	26.136	0.597	0.0536	6.2000	0.506	1.12	2.65	3691.9971	-1.00	4
879	26.136	0.597	0.0436	10.2000	0.506	1.12	2.65	10043.9961	-1.00	0
880	28.911	0.597	0.0591	5.0000	0.506	1.12	2.65	2922.9954	-1.00	4

GIL - DATA OF GILBERT, G.K. (1914)
(SHEET 17 OF 17)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
881	28.911	0.597	0.0610	5.7000	0.506	1.12	2.65	2975.0000	-1.00	4
882	28.911	0.597	0.0588	5.4000	0.506	1.12	2.65	3423.9966	-1.00	4
883	28.911	0.597	0.0430	10.9000	0.506	1.12	2.65	11603.9961	-1.00	4
884	28.911	0.597	0.0439	10.9000	0.506	1.12	2.65	11551.9961	-1.00	4
885	31.686	0.597	0.0652	4.5000	0.506	1.12	2.65	2587.9954	-1.00	3
886	31.686	0.597	0.0677	5.7000	0.506	1.12	2.65	2666.9971	-1.00	4
887	31.686	0.597	0.0668	5.2000	0.506	1.12	2.65	2776.9971	-1.00	4
888	31.686	0.597	0.0457	10.0000	0.506	1.12	2.65	10825.0000	-1.00	5
889	31.686	0.597	0.0448	10.0000	0.506	1.12	2.65	10903.9961	-1.00	5

GKA - GILBERT, G.K. (1914) - ENERGY SLOPE
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	2.633	0.201	0.0253	12.2785	0.305	1.06	2.65	9680.0000	-1.00	0
2	15.432	0.201	0.0866	5.6000	0.305	1.06	2.65	3790.0000	-1.00	5
3	5.154	0.305	0.0415	5.6364	0.305	1.06	2.65	1940.0000	-1.00	3
4	5.154	0.402	0.0323	6.4008	0.305	1.06	2.65	2330.0000	-1.00	3
5	5.154	0.402	0.0277	7.6732	0.305	1.06	2.65	3390.0000	-1.00	3
6	5.154	0.402	0.0253	8.0000	0.305	1.06	2.65	4270.0000	-1.00	3
7	5.154	0.402	0.0241	11.1000	0.305	1.06	2.65	9790.0000	-1.00	7
8	10.279	0.402	0.0594	3.3832	0.305	1.06	2.65	787.0000	-1.00	3
9	10.279	0.402	0.0399	4.9552	0.305	1.06	2.65	3890.0000	-1.00	4
10	10.279	0.402	0.0396	10.4798	0.305	1.06	2.65	7050.0000	-1.00	4
11	20.784	0.402	0.0814	3.5000	0.305	1.06	2.65	1830.0000	-1.00	3
12	20.784	0.402	0.0631	4.8669	0.305	1.06	2.65	4000.0000	-1.00	5
13	10.279	0.597	0.0570	4.7719	0.305	1.06	2.65	820.0000	-1.00	3
14	10.279	0.597	0.0393	6.2052	0.305	1.06	2.65	1940.0000	-1.00	0
15	10.279	0.597	0.0326	6.0043	0.305	1.06	2.65	3160.0000	-1.00	0
16	10.279	0.597	0.0296	7.8000	0.305	1.06	2.65	5740.0000	-1.00	0
17	10.279	0.597	0.0256	9.3405	0.305	1.06	2.65	8410.0000	-1.00	7
18	20.784	0.597	0.0893	1.8000	0.305	1.06	2.65	385.0000	-1.00	0
19	20.784	0.597	0.0463	4.8077	0.305	1.06	2.65	3610.0000	-1.00	5
20	20.784	0.597	0.0445	4.5408	0.305	1.06	2.65	5050.0000	-1.00	5
21	31.686	0.597	0.0652	4.4462	0.305	1.06	2.65	2920.0000	-1.00	5
22	31.686	0.597	0.0613	6.2921	0.305	1.06	2.65	4980.0000	-1.00	5
23	5.154	0.201	0.0558	3.3542	0.375	1.13	2.65	870.0000	-1.00	3
24	5.154	0.201	0.0558	3.7000	0.375	1.13	2.65	930.0000	-1.00	3
25	15.432	0.201	0.1439	1.8604	0.375	1.13	2.65	380.0000	-1.00	3
26	15.432	0.201	0.0914	4.5431	0.375	1.13	2.65	2270.0000	-1.00	4
27	10.279	0.305	0.1448	0.3053	0.375	1.13	2.65	0.0	-1.00	3
28	10.279	0.305	0.0985	1.7757	0.375	1.13	2.65	165.0000	-1.00	3
29	10.279	0.305	0.0978	1.6876	0.375	1.13	2.65	170.0000	-1.00	3
30	10.279	0.305	0.0826	2.7823	0.375	1.13	2.65	660.0000	-1.00	3
31	10.279	0.305	0.0588	4.3139	0.375	1.13	2.65	1890.0000	-1.00	0
32	10.279	0.305	0.0536	5.2009	0.375	1.13	2.65	2430.0000	-1.00	0
33	20.784	0.305	0.1524	1.4134	0.375	1.13	2.65	207.0000	-1.00	0
34	20.784	0.305	0.1515	1.4545	0.375	1.13	2.65	231.0000	-1.00	0
35	20.784	0.305	0.1018	2.5898	0.375	1.13	2.65	841.0000	-1.00	0
36	20.784	0.305	0.0814	3.7758	0.375	1.13	2.65	1800.0000	-1.00	0
37	20.784	0.305	0.0780	4.8979	0.375	1.13	2.65	2600.0000	-1.00	0
38	10.279	0.402	0.0671	2.1882	0.375	1.13	2.65	650.0000	-1.00	3
39	10.279	0.402	0.0600	3.7084	0.375	1.13	2.65	810.0000	-1.00	3
40	10.279	0.402	0.0497	4.7576	0.375	1.13	2.65	1650.0000	-1.00	3
41	10.279	0.402	0.0497	5.3152	0.375	1.13	2.65	1700.0000	-1.00	3
42	15.432	0.402	0.0631	5.5867	0.375	1.13	2.65	1910.0000	-1.00	3
43	15.432	0.402	0.0503	5.2285	0.375	1.13	2.65	3080.0000	-1.00	3
44	15.432	0.402	0.0463	5.5938	0.375	1.13	2.65	3370.0000	-1.00	3
45	20.784	0.402	0.0814	3.1991	0.375	1.13	2.65	1350.0000	-1.00	0
46	10.279	0.597	0.0494	4.2991	0.375	1.13	2.65	760.0000	-1.00	3
47	20.784	0.597	0.0783	2.8947	0.375	1.13	2.65	370.0000	-1.00	3
48	20.784	0.597	0.0597	3.5587	0.375	1.13	2.65	1870.0000	-1.00	0
49	20.784	0.597	0.0491	5.4438	0.375	1.13	2.65	4020.0000	-1.00	0
50	31.686	0.597	0.1237	2.0697	0.375	1.13	2.65	205.0000	-1.00	3
51	31.686	0.597	0.1143	2.6080	0.375	1.13	2.65	426.0000	-1.00	3
52	31.686	0.597	0.1027	3.5677	0.375	1.13	2.65	960.0000	-1.00	3
53	5.154	0.201	0.0725	2.7949	0.506	1.12	2.65	420.0000	-1.00	3
54	5.154	0.201	0.0335	11.2902	0.506	1.12	2.65	8700.0000	-1.00	5
55	5.154	0.201	0.0283	13.3764	0.506	1.12	2.65	15100.0000	-1.00	5

GKA - GILBERT, G.K. (1914) - ENERGY SLOPE
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	15.432	0.201	0.1759	1.5441	0.506	1.12	2.65	182.0000	-1.00	3
57	10.279	0.305	0.0994	1.7236	0.506	1.12	2.65	185.0000	-1.00	3
58	10.279	0.305	0.0838	2.5606	0.506	1.12	2.65	564.0000	-1.00	3
59	10.279	0.305	0.0674	4.2000	0.506	1.12	2.65	1800.0000	-1.00	3
60	10.279	0.305	0.0518	6.4332	0.506	1.12	2.65	3940.0000	-1.00	0
61	20.784	0.305	0.1765	1.1172	0.506	1.12	2.65	84.0000	-1.00	3
62	20.784	0.305	0.1737	1.1452	0.506	1.12	2.65	113.0000	-1.00	3
63	20.784	0.305	0.1637	1.5784	0.506	1.12	2.65	135.0000	-1.00	3
64	20.784	0.305	0.1423	1.8643	0.506	1.12	2.65	670.0000	-1.00	3
65	20.784	0.305	0.1259	2.7425	0.506	1.12	2.65	670.0000	-1.00	3
66	5.154	0.402	0.0302	6.6000	0.506	1.12	2.65	2000.0000	-1.00	3
67	10.279	0.402	0.0530	3.2554	0.506	1.12	2.65	850.0000	-1.00	3
68	10.279	0.402	0.0518	3.2912	0.506	1.12	2.65	860.0000	-1.00	3
69	10.279	0.402	0.0543	5.5416	0.506	1.12	2.65	2520.0000	-1.00	3
70	20.784	0.402	0.1268	1.7733	0.506	1.12	2.65	216.0000	-1.00	3
71	10.279	0.597	0.0430	6.1199	0.506	1.12	2.65	993.0000	-1.00	3
72	10.279	0.597	0.0344	7.1523	0.506	1.12	2.65	2480.0000	-1.00	3
73	20.784	0.597	0.0594	4.3175	0.506	1.12	2.65	1640.0000	-1.00	3
74	20.784	0.597	0.0637	4.7320	0.506	1.12	2.65	1850.0000	-1.00	3
75	20.784	0.597	0.0491	6.1350	0.506	1.12	2.65	3180.0000	-1.00	3
76	20.784	0.597	0.0533	5.5753	0.506	1.12	2.65	3400.0000	-1.00	3
77	20.784	0.597	0.0442	6.9858	0.506	1.12	2.65	5350.0000	-1.00	4
78	31.686	0.597	0.0625	5.8599	0.506	1.12	2.65	3640.0000	-1.00	0
79	31.686	0.597	0.0616	6.4913	0.506	1.12	2.65	4100.0000	-1.00	5
80	31.686	0.597	0.0549	4.7641	0.506	1.12	2.65	4260.0000	-1.00	5
81	31.686	0.597	0.0607	8.1847	0.506	1.12	2.65	4400.0000	-1.00	5
82	31.686	0.597	0.0585	6.7557	0.506	1.12	2.65	4570.0000	-1.00	5
83	15.432	0.201	0.1414	2.7668	0.786	1.13	2.65	511.0000	-1.00	3
84	15.432	0.201	0.1295	2.5793	0.786	1.13	2.65	596.0000	-1.00	3
85	15.432	0.201	0.1164	5.7201	0.786	1.13	2.65	1130.0000	-1.00	3
86	15.432	0.201	0.0981	5.8463	0.786	1.13	2.65	1900.0000	-1.00	0
87	10.279	0.305	0.0881	1.6339	0.786	1.13	2.65	199.0000	-1.00	3
88	10.279	0.305	0.0872	1.8825	0.786	1.13	2.65	185.0000	-1.00	3
89	10.279	0.305	0.0768	3.0210	0.786	1.13	2.65	550.0000	-1.00	3
90	10.279	0.305	0.0683	2.9913	0.786	1.13	2.65	1170.0000	-1.00	3
91	10.279	0.305	0.0698	5.1229	0.786	1.13	2.65	1170.0000	-1.00	3
92	10.279	0.305	0.0607	5.5077	0.786	1.13	2.65	2240.0000	-1.00	3
93	10.279	0.305	0.0302	22.7180	0.786	1.13	2.65	22300.0000	-1.00	5
94	10.279	0.305	0.0299	24.3484	0.786	1.13	2.65	25000.0000	-1.00	5
95	15.432	0.305	0.0732	5.3000	0.786	1.13	2.65	2000.0000	-1.00	0
96	20.784	0.305	0.1469	1.8448	0.786	1.13	2.65	296.0000	-1.00	3
97	20.784	0.305	0.1253	2.4410	0.786	1.13	2.65	745.0000	-1.00	3
98	20.784	0.305	0.1250	2.8914	0.786	1.13	2.65	1030.0000	-1.00	3
99	10.279	0.402	0.0427	3.2880	0.786	1.13	2.65	970.0000	-1.00	3
100	10.279	0.402	0.0521	3.7181	0.786	1.13	2.65	1020.0000	-1.00	3
101	10.279	0.402	0.0469	6.0149	0.786	1.13	2.65	2350.0000	-1.00	3
102	20.784	0.402	0.1079	2.9299	0.786	1.13	2.65	770.0000	-1.00	3
103	20.784	0.402	0.0927	3.4367	0.786	1.13	2.65	1130.0000	-1.00	3
104	20.784	0.402	0.0692	5.3432	0.786	1.13	2.65	2200.0000	-1.00	3
105	20.784	0.402	0.0756	5.5407	0.786	1.13	2.65	2400.0000	-1.00	3
106	20.784	0.402	0.0704	6.1663	0.786	1.13	2.65	2400.0000	-1.00	3
107	20.784	0.402	0.0695	7.0949	0.786	1.13	2.65	3050.0000	-1.00	0
108	20.784	0.402	0.0585	8.2283	0.786	1.13	2.65	3800.0000	-1.00	0
109	20.784	0.402	0.0500	10.0000	0.786	1.13	2.65	8200.0000	-1.00	5
110	20.784	0.402	0.0512	10.1051	0.786	1.13	2.65	9100.0000	-1.00	5

GKA - GILBERT, G.K. (1914) - ENERGY SLOPE
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	10.279	0.305	0.0844	2.2807	1.710	1.34	2.65	240.0000	-1.00	3
112	10.279	0.305	0.0655	4.5176	1.710	1.34	2.65	700.0000	-1.00	0
113	10.279	0.305	0.0634	4.1274	1.710	1.34	2.65	700.0000	-1.00	0
114	10.279	0.305	0.0509	8.6151	1.710	1.34	2.65	2230.0000	-1.00	4
115	10.279	0.305	0.0344	16.6472	1.710	1.34	2.65	9700.0000	-1.00	4
116	10.279	0.305	0.0351	23.6764	1.710	1.34	2.65	15000.0000	-1.00	4
117	20.784	0.305	0.1399	1.7173	1.710	1.34	2.65	137.0000	-1.00	3
118	20.784	0.305	0.1228	3.0489	1.710	1.34	2.65	274.0000	-1.00	3
119	20.784	0.305	0.1241	2.9759	1.710	1.34	2.65	410.0000	-1.00	3
120	20.784	0.305	0.1106	4.4050	1.710	1.34	2.65	930.0000	-1.00	3
121	20.784	0.305	0.0917	5.2409	1.710	1.34	2.65	1200.0000	-1.00	3
122	20.784	0.305	0.0832	8.3645	1.710	1.34	2.65	2210.0000	-1.00	3
123	20.784	0.305	0.0680	12.6054	1.710	1.34	2.65	4700.0000	-1.00	0
124	20.784	0.305	0.0570	13.9764	1.710	1.34	2.65	6660.0000	-1.00	0
125	20.784	0.305	0.0576	15.1957	1.710	1.34	2.65	7000.0000	-1.00	0

GKB - GILBERT, G.K. (1914) - UNIFORM FLOWS ONLY
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	5.154	0.402	0.0277	7.6732	0.305	1.06	2.65	3390.0000	-1.00	3
2	5.154	0.402	0.0253	8.0000	0.305	1.06	2.65	4270.0000	-1.00	3
3	5.154	0.402	0.0241	11.1000	0.305	1.06	2.65	9790.0000	-1.00	7
4	10.279	0.402	0.0594	3.3832	0.305	1.06	2.65	787.0000	-1.00	3
5	10.279	0.402	0.0399	4.9552	0.305	1.06	2.65	3390.0000	-1.00	4
6	10.279	0.402	0.0396	10.4798	0.305	1.06	2.65	7050.0000	-1.00	4
7	20.784	0.305	0.0780	4.8979	0.375	1.13	2.65	2600.0000	-1.00	0
8	10.279	0.402	0.0671	2.1882	0.375	1.13	2.65	650.0000	-1.00	3
9	10.279	0.402	0.0600	3.7084	0.375	1.13	2.65	810.0000	-1.00	3
10	10.279	0.402	0.0497	4.7576	0.375	1.13	2.65	1650.0000	-1.00	3
11	10.279	0.402	0.0497	5.3152	0.375	1.13	2.65	1700.0000	-1.00	3
12	15.432	0.402	0.0631	5.5867	0.375	1.13	2.65	1910.0000	-1.00	3
13	15.432	0.402	0.0503	5.2285	0.375	1.13	2.65	3080.0000	-1.00	3
14	15.432	0.402	0.0463	5.5938	0.375	1.13	2.65	3370.0000	-1.00	3
15	20.784	0.402	0.0814	3.1991	0.375	1.13	2.65	1350.0000	-1.00	0
16	10.279	0.597	0.0494	4.2991	0.375	1.13	2.65	760.0000	-1.00	3
17	20.784	0.597	0.0783	2.8947	0.375	1.13	2.65	370.0000	-1.00	3
18	20.784	0.597	0.0597	3.5587	0.375	1.13	2.65	1870.0000	-1.00	0
19	20.784	0.597	0.0491	5.4438	0.375	1.13	2.65	4020.0000	-1.00	0
20	31.686	0.597	0.1237	2.0697	0.375	1.13	2.65	205.0000	-1.00	3
21	31.686	0.597	0.1143	2.6080	0.375	1.13	2.65	426.0000	-1.00	3
22	31.686	0.597	0.1027	3.5677	0.375	1.13	2.65	960.0000	-1.00	3
23	5.154	0.201	0.0725	2.7949	0.506	1.12	2.65	420.0000	-1.00	3
24	5.154	0.201	0.0335	11.2902	0.506	1.12	2.65	8700.0000	-1.00	5
25	5.154	0.201	0.0283	13.3764	0.506	1.12	2.65	15100.0000	-1.00	5
26	15.432	0.201	0.1759	1.5441	0.506	1.12	2.65	182.0000	-1.00	3
27	10.279	0.305	0.0994	1.7236	0.506	1.12	2.65	185.0000	-1.00	3
28	10.279	0.305	0.0838	2.5606	0.506	1.12	2.65	564.0000	-1.00	3
29	10.279	0.305	0.0674	4.2000	0.506	1.12	2.65	1800.0000	-1.00	3
30	10.279	0.305	0.0518	6.4332	0.506	1.12	2.65	3940.0000	-1.00	0
31	20.784	0.305	0.1765	1.1172	0.506	1.12	2.65	84.0000	-1.00	3
32	20.784	0.305	0.1737	1.1452	0.506	1.12	2.65	113.0000	-1.00	3
33	20.784	0.305	0.1637	1.5784	0.506	1.12	2.65	135.0000	-1.00	3
34	20.784	0.305	0.1423	1.8643	0.506	1.12	2.65	670.0000	-1.00	3
35	20.784	0.305	0.1259	2.7425	0.506	1.12	2.65	670.0000	-1.00	3
36	5.154	0.402	0.0302	6.6000	0.506	1.12	2.65	2000.0000	-1.00	3
37	10.279	0.402	0.0530	3.2554	0.506	1.12	2.65	850.0000	-1.00	3
38	10.279	0.402	0.0518	3.2912	0.506	1.12	2.65	860.0000	-1.00	3
39	10.279	0.402	0.0543	5.5416	0.506	1.12	2.65	2520.0000	-1.00	3
40	20.784	0.402	0.1268	1.7733	0.506	1.12	2.65	216.0000	-1.00	3
41	10.279	0.597	0.0430	4.1199	0.506	1.12	2.65	993.0000	-1.00	3
42	10.279	0.597	0.0344	7.1523	0.506	1.12	2.65	2480.0000	-1.00	3
43	20.784	0.597	0.0594	4.3175	0.506	1.12	2.65	1640.0000	-1.00	3
44	20.784	0.597	0.0637	4.7320	0.506	1.12	2.65	1850.0000	-1.00	3
45	20.784	0.597	0.0491	6.1350	0.506	1.12	2.65	3180.0000	-1.00	3
46	20.784	0.597	0.0533	5.5753	0.506	1.12	2.65	3400.0000	-1.00	3
47	20.784	0.597	0.0442	6.9858	0.506	1.12	2.65	5350.0000	-1.00	4
48	31.686	0.597	0.0625	5.8599	0.506	1.12	2.65	3640.0000	-1.00	0
49	31.686	0.597	0.0616	6.4913	0.506	1.12	2.65	4100.0000	-1.00	5
50	31.686	0.597	0.0549	4.7641	0.506	1.12	2.65	4260.0000	-1.00	5
51	31.686	0.597	0.0607	8.1847	0.506	1.12	2.65	4400.0000	-1.00	5
52	31.686	0.597	0.0585	6.7557	0.506	1.12	2.65	4570.0000	-1.00	5
53	15.432	0.201	0.1414	2.7668	0.786	1.13	2.65	511.0000	-1.00	3
54	15.432	0.201	0.1295	2.5793	0.786	1.13	2.65	596.0000	-1.00	3
55	15.432	0.201	0.1164	5.7201	0.786	1.13	2.65	1130.0000	-1.00	3

GKB - GILBERT, G.K. (1914) - UNIFORM FLOWS ONLY
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	15.432	0.201	0.0981	5.8463	0.786	1.13	2.65	1900.0000	-1.00	0
57	10.279	0.305	0.0881	1.6339	0.786	1.13	2.65	199.0000	-1.00	3
58	10.279	0.305	0.0872	1.8825	0.786	1.13	2.65	185.0000	-1.00	3
59	10.279	0.305	0.0768	3.0210	0.786	1.13	2.65	550.0000	-1.00	3
60	10.279	0.305	0.0683	2.9913	0.786	1.13	2.65	1170.0000	-1.00	3
61	10.279	0.305	0.0698	5.1229	0.786	1.13	2.65	1170.0000	-1.00	3
62	10.279	0.305	0.0607	5.5077	0.786	1.13	2.65	2240.0000	-1.00	3

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 1 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	184.620	2.438	0.2865	0.0550	0.190	1.30	2.65	0.0	18.60	1
2	84.665	2.438	0.1463	0.1000	0.190	1.30	2.65	0.0	17.50	1
3	189.151	2.438	0.3231	0.1500	0.190	1.30	2.65	0.2000	12.30	2
4	84.665	2.438	0.1311	0.1600	0.190	1.30	2.65	0.0	17.80	1
5	56.632	2.438	0.0914	0.1700	0.190	1.30	2.65	0.0	19.20	1
6	182.638	2.438	0.2835	0.1800	0.190	1.30	2.65	0.3000	19.20	2
7	84.665	2.438	0.1280	0.1800	0.190	1.30	2.65	0.0	18.00	1
8	252.296	2.438	0.3048	0.2800	0.190	1.30	2.65	3.7000	17.00	2
9	96.841	2.438	0.1768	0.3400	0.190	1.30	2.65	1.0000	13.60	2
10	300.716	2.438	0.3109	0.4300	0.190	1.30	2.65	29.0000	18.10	2
11	115.529	2.438	0.1676	0.5700	0.190	1.30	2.65	4.0000	18.10	2
12	358.763	2.438	0.3139	0.5800	0.190	1.30	2.65	120.0000	16.40	2
13	84.665	2.438	0.1341	0.6200	0.190	1.30	2.65	2.0000	18.10	2
14	386.230	2.438	0.2896	0.6600	0.190	1.30	2.65	280.9998	18.20	3
15	419.360	2.438	0.2835	0.7000	0.190	1.30	2.65	518.9998	18.30	3
16	127.139	2.438	0.1646	0.7900	0.190	1.30	2.65	34.0000	18.00	2
17	471.744	2.438	0.3231	0.8300	0.190	1.30	2.65	835.9998	17.40	3
18	143.845	2.438	0.1707	0.8400	0.190	1.30	2.65	58.0000	19.10	2
19	147.243	2.438	0.1676	0.9200	0.190	1.30	2.65	84.0000	12.30	2
20	579.628	2.438	0.3322	0.9900	0.190	1.30	2.65	1300.0000	18.90	3
21	622.385	2.438	0.2713	1.0000	0.190	1.30	2.65	1240.0000	19.30	4
22	626.350	2.438	0.2621	1.0600	0.190	1.30	2.65	1490.0000	19.40	4
23	618.421	2.438	0.2408	1.1200	0.190	1.30	2.65	2000.0000	19.30	5
24	198.212	2.438	0.1585	1.2700	0.190	1.30	2.65	502.9998	16.60	3
25	621.819	2.438	0.3109	1.3000	0.190	1.30	2.65	1270.0000	19.70	3
26	230.492	2.438	0.1859	1.3000	0.190	1.30	2.65	860.9998	15.30	3
27	273.532	2.438	0.2073	1.4000	0.190	1.30	2.65	1240.0000	18.00	3
28	212.936	2.438	0.1585	1.4700	0.190	1.30	2.65	998.9998	18.50	3
29	626.916	2.438	0.2195	1.5600	0.190	1.30	2.65	2750.0000	18.80	4
30	330.731	2.438	0.1554	1.7000	0.190	1.30	2.65	2480.0000	19.10	5
31	232.757	2.438	0.1494	1.9400	0.190	1.30	2.65	1210.0000	18.60	3
32	628.332	2.438	0.2042	1.9600	0.190	1.30	2.65	4650.0000	19.10	7
33	627.482	2.438	0.1951	3.0000	0.190	1.30	2.65	9240.0000	18.90	7
34	628.332	2.438	0.1951	3.5000	0.190	1.30	2.65	12900.0000	18.70	7
35	632.296	2.438	0.1859	3.9000	0.190	1.30	2.65	16200.0000	18.80	7
36	627.765	2.438	0.1829	4.6000	0.190	1.30	2.65	23900.0000	18.50	7
37	456.737	2.438	0.1524	5.4200	0.190	1.30	2.65	25200.0000	18.70	7
38	622.952	2.438	0.1768	5.8200	0.190	1.30	2.65	26600.0000	17.90	7
39	440.031	2.438	0.1554	8.4500	0.190	1.30	2.65	35500.0000	16.80	8
40	618.421	2.438	0.1981	9.5000	0.190	1.30	2.65	47300.0000	17.30	8
41	172.444	2.438	0.2926	0.0700	0.270	1.56	2.65	0.0	14.50	1
42	172.444	2.438	0.2774	0.1800	0.270	1.56	2.65	0.5000	15.80	2
43	279.196	2.438	0.3018	0.4600	0.270	1.56	2.65	12.0000	16.00	2
44	346.871	2.438	0.2865	0.6500	0.270	1.56	2.65	98.0000	16.00	2
45	385.664	2.438	0.2835	0.8400	0.270	1.56	2.65	200.0000	18.30	3
46	441.163	2.438	0.3109	1.0800	0.270	1.56	2.65	357.9998	16.90	3
47	144.695	2.438	0.1463	1.2600	0.270	1.56	2.65	93.0000	13.90	2
48	314.024	2.438	0.2286	1.2600	0.270	1.56	2.65	550.0000	15.30	3
49	504.024	2.438	0.3292	1.3000	0.270	1.56	2.65	638.9998	18.10	3
50	618.421	2.438	0.2560	1.3800	0.270	1.56	2.65	1270.0000	17.80	4
51	544.516	2.438	0.3444	1.4000	0.270	1.56	2.65	930.9998	17.40	3
52	610.209	2.438	0.3139	1.6300	0.270	1.56	2.65	832.9998	16.80	3
53	443.995	2.438	0.2865	1.6700	0.270	1.56	2.65	703.9998	14.80	3
54	616.156	2.438	0.2256	1.6700	0.270	1.56	2.65	1670.0000	18.50	5
55	191.133	2.438	0.1402	1.8500	0.270	1.56	2.65	752.9998	14.20	3

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 2 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	617.005	2.438	0.1920	2.8000	0.270	1.56	2.65	4760.0000	13.60	7
57	614.173	2.438	0.1798	4.9300	0.270	1.56	2.65	9080.0000	15.90	7
58	614.740	2.438	0.1676	8.1300	0.270	1.56	2.65	26700.0000	10.20	7
59	436.349	2.438	0.1372	9.5200	0.270	1.56	2.65	35600.0000	11.00	8
60	604.546	2.438	0.1829	10.2200	0.270	1.56	2.65	35800.0000	10.80	8
61	187.169	2.438	0.3078	0.0700	0.280	1.67	2.65	0.0	13.90	1
62	219.732	2.438	0.3048	0.1100	0.280	1.67	2.65	0.0	11.90	1
63	219.732	2.438	0.3078	0.2300	0.280	1.67	2.65	2.7000	10.90	2
64	117.795	2.438	0.1798	0.4100	0.280	1.67	2.65	1.0000	15.10	2
65	303.831	2.438	0.3048	0.4500	0.280	1.67	2.65	12.0000	16.50	2
66	381.133	2.438	0.3048	0.6300	0.280	1.67	2.65	75.0000	16.40	2
67	303.831	2.438	0.2621	0.6900	0.280	1.67	2.65	51.0000	14.60	2
68	139.315	2.438	0.1798	0.7300	0.280	1.67	2.65	20.0000	14.90	2
69	445.694	2.438	0.3231	0.9000	0.280	1.67	2.65	330.0000	17.60	3
70	359.613	2.438	0.2682	1.0000	0.280	1.67	2.65	405.0000	16.70	3
71	203.592	2.438	0.1737	1.0800	0.280	1.67	2.65	150.0000	16.00	2
72	243.801	2.438	0.1890	1.1600	0.280	1.67	2.65	297.9998	15.60	3
73	513.652	2.438	0.3200	1.2000	0.280	1.67	2.65	505.9998	15.60	3
74	430.120	2.438	0.2804	1.3100	0.280	1.67	2.65	663.9998	15.80	3
75	577.363	2.438	0.3261	1.3100	0.280	1.67	2.65	731.9998	16.50	3
76	280.328	2.438	0.1981	1.3400	0.280	1.67	2.65	562.9998	14.90	3
77	487.884	2.438	0.3109	1.3400	0.280	1.67	2.65	548.9998	15.80	3
78	623.518	2.438	0.2774	1.3400	0.280	1.67	2.65	1230.0000	15.60	4
79	283.443	2.438	0.1981	1.3600	0.280	1.67	2.65	505.0000	14.70	3
80	432.668	2.438	0.2682	1.3600	0.280	1.67	2.65	732.9998	15.20	3
81	338.659	2.438	0.1859	1.4100	0.280	1.67	2.65	1040.0000	14.70	3
82	443.995	2.438	0.1951	1.4200	0.280	1.67	2.65	1370.0000	14.50	4
83	155.738	2.438	0.1341	1.5000	0.280	1.67	2.65	480.0000	14.10	3
84	422.475	2.438	0.1829	1.5300	0.280	1.67	2.65	1540.0000	12.70	5
85	364.427	2.438	0.2286	1.5800	0.280	1.67	2.65	788.9998	13.00	3
86	622.385	2.438	0.2499	1.7200	0.280	1.67	2.65	2350.0000	15.70	4
87	618.704	2.438	0.2195	1.9900	0.280	1.67	2.65	2710.0000	14.70	5
88	445.127	2.438	0.1676	2.2900	0.280	1.67	2.65	2760.0000	15.10	5
89	444.561	2.438	0.1585	2.7800	0.280	1.67	2.65	3120.0000	15.40	5
90	439.181	2.438	0.1524	3.2800	0.280	1.67	2.65	5060.0000	15.00	7
91	616.156	2.438	0.1768	4.7000	0.280	1.67	2.65	10500.0000	10.80	7
92	438.048	2.438	0.1311	5.3300	0.280	1.67	2.65	11500.0000	15.10	7
93	604.263	2.438	0.1707	5.9300	0.280	1.67	2.65	13000.0000	10.20	7
94	603.980	2.438	0.1646	8.1500	0.280	1.67	2.65	27600.0000	10.90	7
95	236.155	2.438	0.0914	8.2000	0.280	1.67	2.65	19900.0000	11.60	7
96	432.102	2.438	0.1219	9.3000	0.280	1.67	2.65	36100.0000	11.10	8
97	605.396	2.438	0.1737	10.0700	0.280	1.67	2.65	42400.0000	11.50	8
98	111.565	2.438	0.1859	0.1500	0.450	1.60	2.65	0.0	10.20	1
99	52.101	2.438	0.1067	0.1900	0.450	1.60	2.65	0.0	9.00	1
100	176.125	2.438	0.2987	0.2000	0.450	1.60	2.65	0.7000	12.00	2
101	144.695	2.438	0.2469	0.2100	0.450	1.60	2.65	1.2000	12.00	2
102	143.562	2.438	0.2438	0.2300	0.450	1.60	2.65	0.7000	11.00	2
103	102.504	2.438	0.1768	0.3100	0.450	1.60	2.65	0.4000	11.30	2
104	223.696	2.438	0.2499	0.3600	0.450	1.60	2.65	9.4000	11.00	2
105	223.696	2.438	0.2591	0.3900	0.450	1.60	2.65	10.0000	11.50	2
106	108.733	2.438	0.1676	0.4000	0.450	1.60	2.65	1.4000	12.00	2
107	222.281	2.438	0.2438	0.4200	0.450	1.60	2.65	23.0000	9.00	2
108	224.546	2.438	0.2286	0.4700	0.450	1.60	2.65	27.0000	11.00	2
109	55.216	2.438	0.1067	0.4900	0.450	1.60	2.65	4.7000	11.50	2
110	224.829	2.438	0.2103	0.5700	0.450	1.60	2.65	92.0000	10.00	3

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 3 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	108.450	2.438	0.1554	0.6000	0.450	1.60	2.65	7.6000	12.00	2
112	225.962	2.438	0.2134	0.7800	0.450	1.60	2.65	267.9998	11.50	3
113	55.216	2.438	0.1006	0.8800	0.450	1.60	2.65	16.0000	10.50	2
114	110.432	2.438	0.1402	0.8800	0.450	1.60	2.65	42.0000	9.50	2
115	55.216	2.438	0.0884	1.0600	0.450	1.60	2.65	1.0000	11.70	2
116	120.060	2.438	0.1250	1.1200	0.450	1.60	2.65	207.9999	18.00	3
117	343.190	2.438	0.2926	1.1400	0.450	1.60	2.65	380.0000	16.00	3
118	383.398	2.438	0.3048	1.2400	0.450	1.60	2.65	553.9998	15.70	3
119	139.032	2.438	0.1280	1.8900	0.450	1.60	2.65	377.9998	17.00	3
120	230.492	2.438	0.1859	1.9300	0.450	1.60	2.65	507.9998	16.40	3
121	377.735	2.438	0.1981	2.4700	0.450	1.60	2.65	855.9998	16.00	3
122	247.199	2.438	0.1890	2.8900	0.450	1.60	2.65	916.9998	17.00	3
123	606.245	2.438	0.2469	3.0100	0.450	1.60	2.65	2460.0000	19.00	3
124	584.442	2.438	0.1676	3.6400	0.450	1.60	2.65	3960.0000	19.00	6
125	409.166	2.438	0.1036	3.6600	0.450	1.60	2.65	4580.0000	17.00	5
126	316.856	2.438	0.1219	3.6600	0.450	1.60	2.65	4230.0000	16.00	4
127	128.555	2.438	0.0914	3.6900	0.450	1.60	2.65	1850.0000	17.40	3
128	420.492	2.438	0.1341	4.3200	0.450	1.60	2.65	4750.0000	17.50	6
129	223.980	2.438	0.1006	4.3600	0.450	1.60	2.65	4100.0000	18.00	4
130	89.195	2.438	0.0579	4.4600	0.450	1.60	2.65	1370.0000	19.00	4
131	612.192	2.438	0.1646	4.6600	0.450	1.60	2.65	4340.0000	18.70	6
132	150.924	2.438	0.0823	4.9200	0.450	1.60	2.65	3550.0000	17.20	4
133	158.003	2.438	0.0762	4.9400	0.450	1.60	2.65	4610.0000	17.00	4
134	238.987	2.438	0.0853	5.4600	0.450	1.60	2.65	5690.0000	17.50	6
135	283.726	2.438	0.0823	6.0700	0.450	1.60	2.65	6810.0000	16.00	6
136	605.396	2.438	0.1524	6.1900	0.450	1.60	2.65	6230.0000	19.00	6
137	534.323	2.438	0.1311	6.2000	0.450	1.60	2.65	5570.0000	18.50	4
138	423.607	2.438	0.1128	6.5600	0.450	1.60	2.65	6180.0000	18.00	7
139	158.003	2.438	0.0853	8.6200	0.450	1.60	2.65	9630.0000	18.90	7
140	306.662	2.438	0.0853	8.9800	0.450	1.60	2.65	15100.0000	19.40	7
141	380.284	2.438	0.0945	9.8600	0.450	1.60	2.65	11400.0000	20.00	7
142	606.528	2.438	0.1311	10.1000	0.450	1.60	2.65	11500.0000	18.50	7
143	228.227	2.438	0.3078	0.1300	0.930	1.54	2.65	0.0	19.80	1
144	279.762	2.438	0.3078	0.2200	0.930	1.54	2.65	0.0	19.30	1
145	305.813	2.438	0.3109	0.2200	0.930	1.54	2.65	0.0	19.00	1
146	335.828	2.438	0.3078	0.2800	0.930	1.54	2.65	2.8000	22.70	1
147	308.927	2.438	0.3139	0.2800	0.930	1.54	2.65	0.4000	19.60	1
148	341.491	2.438	0.3078	0.3000	0.930	1.54	2.65	0.4000	20.50	1
149	380.000	2.438	0.3078	0.3700	0.930	1.54	2.65	21.0000	18.00	3
150	411.431	2.438	0.3170	0.3700	0.930	1.54	2.65	28.0000	20.70	3
151	130.820	2.438	0.1524	0.4300	0.930	1.54	2.65	0.0	18.90	1
152	127.139	2.438	0.1494	0.4300	0.930	1.54	2.65	0.0	19.00	1
153	143.279	2.438	0.1554	0.5000	0.930	1.54	2.65	-1.0000	18.90	1
154	153.473	2.438	0.1524	0.5400	0.930	1.54	2.65	4.2000	16.80	1
155	460.135	2.438	0.3200	0.5900	0.930	1.54	2.65	65.0000	19.70	3
156	144.412	2.438	0.1494	0.6200	0.930	1.54	2.65	-1.0000	19.20	1
157	176.975	2.438	0.1585	0.6400	0.930	1.54	2.65	26.0000	16.70	1
158	161.684	2.438	0.1494	0.6800	0.930	1.54	2.65	15.0000	19.30	1
159	209.822	2.438	0.1768	0.7100	0.930	1.54	2.65	63.0000	17.40	3
160	200.477	2.438	0.1646	0.8000	0.930	1.54	2.65	73.0000	19.50	3
161	477.124	2.438	0.3170	1.1200	0.930	1.54	2.65	140.0000	19.40	3
162	216.334	2.438	0.1615	1.3000	0.930	1.54	2.65	200.9998	17.10	3
163	476.558	2.438	0.3048	1.3600	0.930	1.54	2.65	210.9998	19.20	3
164	231.625	2.438	0.1707	1.4500	0.930	1.54	2.65	252.9999	19.00	3
165	464.665	2.438	0.2835	1.8300	0.930	1.54	2.65	307.9998	17.50	3

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 4 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	195.380	2.438	0.1402	1.9200	0.930	1.54	2.65	450.0000	19.00	3
167	639.375	2.438	0.3383	2.7500	0.930	1.54	2.65	600.9998	18.00	3
168	253.711	2.438	0.1676	3.0400	0.930	1.54	2.65	518.9998	17.30	3
169	631.446	2.438	0.3170	3.1300	0.930	1.54	2.65	536.9998	19.10	3
170	285.991	2.438	0.1798	3.3900	0.930	1.54	2.65	821.9998	18.30	3
171	642.490	2.438	0.3109	3.5600	0.930	1.54	2.65	1080.0000	18.90	3
172	629.181	2.438	0.2804	3.9300	0.930	1.54	2.65	1180.0000	18.30	3
173	317.139	2.438	0.1737	4.3000	0.930	1.54	2.65	1490.0000	17.40	3
174	628.332	2.438	0.2713	4.3700	0.930	1.54	2.65	1900.0000	18.50	3
175	625.500	2.438	0.2499	5.8700	0.930	1.54	2.65	2750.0000	18.40	4
176	320.537	2.438	0.1494	6.0000	0.930	1.54	2.65	2620.0000	18.50	4
177	466.081	2.438	0.1829	6.5000	0.930	1.54	2.65	3110.0000	17.30	4
178	632.296	2.438	0.2073	7.1000	0.930	1.54	2.65	4020.0000	19.30	4
179	624.934	2.438	0.1615	9.2000	0.930	1.54	2.65	6140.0000	18.20	4
180	442.862	2.438	0.1554	9.4000	0.930	1.54	2.65	5090.0000	18.00	4
181	443.711	2.438	0.1341	11.2000	0.930	1.54	2.65	9480.0000	21.70	4
182	578.778	2.438	0.1341	11.6000	0.930	1.54	2.65	7320.0000	20.40	6
183	439.747	2.438	0.1158	12.3000	0.930	1.54	2.65	10200.0000	19.60	6
184	584.158	2.438	0.1341	12.6000	0.930	1.54	2.65	7000.0000	21.00	6
185	591.238	2.438	0.1311	12.8000	0.930	1.54	2.65	7010.0000	20.50	6
186	411.714	2.438	0.3383	0.8400	0.470	1.54	2.65	180.9998	13.10	3
187	271.550	2.438	0.2286	0.4200	0.470	1.54	2.65	23.0000	11.50	3
188	432.102	2.438	0.3749	0.5200	0.470	1.54	2.65	59.0000	11.50	3
189	603.697	2.438	0.4054	1.7300	0.470	1.54	2.65	585.0000	11.00	3
190	201.327	2.438	0.2377	0.4700	0.470	1.54	2.65	6.0000	12.70	2
191	195.947	2.438	0.2316	0.4600	0.470	1.54	2.65	1.6000	17.00	2
192	197.079	2.438	0.2286	0.4600	0.470	1.54	2.65	2.3000	19.10	2
193	201.044	2.438	0.2256	0.4900	0.470	1.54	2.65	2.5000	18.30	2
194	197.362	2.438	0.1829	0.5300	0.470	1.54	2.65	37.0000	17.10	2
195	200.477	2.438	0.1829	0.6500	0.470	1.54	2.65	31.0000	18.50	2
196	203.875	2.438	0.1890	0.7200	0.470	1.54	2.65	99.0000	14.70	3
197	202.176	2.438	0.1920	0.9000	0.470	1.54	2.65	106.0000	18.50	3
198	201.610	2.438	0.1768	1.1700	0.470	1.54	2.65	195.0000	18.00	3
199	231.059	2.438	0.1951	2.4800	0.470	1.54	2.65	428.9998	23.20	3
200	229.643	2.438	0.1890	2.3600	0.470	1.54	2.65	545.0000	13.10	3
201	226.811	2.438	0.1676	2.2200	0.470	1.54	2.65	577.9998	16.00	3
202	232.191	2.438	0.1859	2.2200	0.470	1.54	2.65	661.9998	20.70	3
203	231.625	2.438	0.1981	2.1500	0.470	1.54	2.65	533.9998	21.00	3
204	240.403	2.438	0.1920	2.0300	0.470	1.54	2.65	462.9998	20.00	3
205	233.324	2.438	0.1951	2.0400	0.470	1.54	2.65	625.0000	21.20	3
206	226.811	2.438	0.1737	2.3500	0.470	1.54	2.65	570.9998	17.20	3
207	248.048	2.438	0.1981	1.9900	0.470	1.54	2.65	638.9998	19.10	3
208	235.306	2.438	0.1615	2.0100	0.470	1.54	2.65	760.9998	18.60	3
209	319.971	2.438	0.2469	2.3700	0.470	1.54	2.65	480.0000	13.50	3
210	441.163	2.438	0.2774	2.0000	0.470	1.54	2.65	587.9998	16.20	3
211	434.934	2.438	0.2804	2.4000	0.470	1.54	2.65	656.9998	16.60	3
212	434.934	2.438	0.2743	2.4200	0.470	1.54	2.65	1100.0000	22.10	3
213	434.934	2.438	0.2865	2.3700	0.470	1.54	2.65	765.0000	18.50	3
214	435.783	2.438	0.2652	2.5900	0.470	1.54	2.65	760.9998	21.30	3
215	432.668	2.438	0.2743	2.3300	0.470	1.54	2.65	806.9998	20.10	3
216	435.500	2.438	0.2438	1.8000	0.470	1.54	2.65	1640.0000	18.70	3
217	326.200	2.438	0.2195	3.2000	0.470	1.54	2.65	1510.0000	20.30	3
218	434.934	2.438	0.1981	3.2600	0.470	1.54	2.65	2920.0000	21.70	4
219	604.546	2.438	0.1890	3.4200	0.470	1.54	2.65	3290.0000	21.10	5
220	603.697	2.438	0.1859	3.5500	0.470	1.54	2.65	3390.0000	23.20	5

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 5 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. FPM	TEMP. DEG. C	BF
221	232.757	2.438	0.0975	5.3100	0.470	1.54	2.65	5250.0000	21.40	5
222	233.890	2.438	0.0975	5.5000	0.470	1.54	2.65	5680.0000	20.20	5
223	230.492	2.438	0.0914	6.4000	0.470	1.54	2.65	6310.0000	20.20	5
224	438.898	2.438	0.1311	5.7000	0.470	1.54	2.65	5360.0000	21.20	7
225	442.012	2.438	0.1250	5.7800	0.470	1.54	2.65	5480.0000	21.20	7
226	441.729	2.438	0.1280	5.7100	0.470	1.54	2.65	5160.0000	21.60	7
227	439.464	2.438	0.1372	5.7500	0.470	1.54	2.65	5130.0000	23.00	7
228	432.385	2.438	0.1189	6.4300	0.470	1.54	2.65	7140.0000	21.80	7
229	604.546	2.438	0.1676	6.3400	0.470	1.54	2.65	4480.0000	10.70	6
230	601.148	2.438	0.1646	6.2200	0.470	1.54	2.65	4490.0000	24.50	6
231	590.955	2.438	0.1615	6.4600	0.470	1.54	2.65	4390.0000	22.70	6
232	603.414	2.438	0.1676	6.5100	0.470	1.54	2.65	5760.0000	21.00	6
233	434.934	2.438	0.1250	7.4000	0.470	1.54	2.65	7100.0000	15.00	7
234	440.031	2.438	0.1311	7.3400	0.470	1.54	2.65	8280.0000	22.40	7
235	447.393	2.438	0.1341	8.2100	0.470	1.54	2.65	17700.0000	19.00	7
236	592.937	2.438	0.1615	7.4000	0.470	1.54	2.65	6760.0000	23.50	6
237	606.528	2.438	0.1554	7.9000	0.470	1.54	2.65	8440.0000	13.30	5
238	602.281	2.438	0.1524	8.0600	0.470	1.54	2.65	16100.0000	19.60	7
239	340.075	2.438	0.1128	9.6000	0.470	1.54	2.65	8960.0000	19.50	7
240	25.768	0.610	0.1554	0.1400	0.320	1.57	2.65	0.0	10.00	1
241	24.918	0.610	0.1585	0.1700	0.320	1.57	2.65	0.0	23.40	1
242	37.094	0.610	0.1646	1.1200	0.320	1.57	2.65	55.0000	10.50	2
243	37.094	0.610	0.1646	0.8600	0.320	1.57	2.65	61.0000	27.80	2
244	44.173	0.610	0.1737	1.1000	0.320	1.57	2.65	91.0000	14.70	2
245	44.456	0.610	0.1707	1.0300	0.320	1.57	2.65	117.0000	33.80	3
246	53.234	0.610	0.1707	1.3900	0.320	1.57	2.65	225.9999	10.20	3
247	53.234	0.610	0.1798	1.1800	0.320	1.57	2.65	167.9999	27.20	3
248	64.560	0.610	0.1768	1.4700	0.320	1.57	2.65	455.0000	14.30	3
249	64.844	0.610	0.1920	2.1400	0.320	1.57	2.65	786.9998	34.30	3
250	75.604	0.610	0.2164	2.0100	0.320	1.57	2.65	853.9998	13.10	3
251	74.754	0.610	0.2012	2.1000	0.320	1.57	2.65	718.9998	33.10	3
252	88.629	0.610	0.1768	1.8400	0.320	1.57	2.65	906.9998	12.40	4
253	88.629	0.610	0.1951	1.6600	0.320	1.57	2.65	1150.0000	33.90	4
254	98.540	0.610	0.2256	1.7200	0.320	1.57	2.65	705.9998	12.10	4
255	98.540	0.610	0.2225	2.6100	0.320	1.57	2.65	1150.0000	32.80	4
256	98.540	0.610	0.1829	1.8900	0.320	1.57	2.65	1410.0000	11.90	4
257	99.106	0.610	0.2195	1.9400	0.320	1.57	2.65	1820.0000	26.90	4
258	128.838	0.610	0.1676	5.6600	0.320	1.57	2.65	5600.0000	12.70	7
259	128.838	0.610	0.1707	4.1700	0.320	1.57	2.65	4340.0000	28.40	5
260	135.350	0.610	0.1798	7.1000	0.320	1.57	2.65	5180.0000	7.00	7
261	135.350	0.610	0.1707	4.9300	0.320	1.57	2.65	5530.0000	23.50	7
262	150.641	0.610	0.2042	4.5600	0.320	1.57	2.65	3960.0000	7.90	5
263	150.075	0.610	0.1829	4.0800	0.320	1.57	2.65	5250.0000	23.80	7
264	161.401	0.610	0.1829	8.6500	0.320	1.57	2.65	12300.0000	12.50	7
265	161.401	0.610	0.1829	7.3000	0.320	1.57	2.65	8780.0000	31.70	7
266	187.735	0.610	0.1920	8.3500	0.320	1.57	2.65	26100.0000	11.40	7
267	188.018	0.610	0.1890	6.3500	0.320	1.57	2.65	21000.0000	26.70	7
268	192.266	0.610	0.1890	9.7000	0.320	1.57	2.65	29600.0000	12.90	7
269	193.115	0.610	0.1859	6.5600	0.320	1.57	2.65	20300.0000	27.90	7
270	190.000	0.610	0.1981	16.2000	0.320	1.57	2.65	49300.0000	14.50	8
271	31.714	0.610	0.1524	0.2500	0.330	1.25	2.65	0.0	20.20	1
272	28.316	0.610	0.1524	0.8700	0.330	1.25	2.65	6.6000	20.00	2
273	31.714	0.610	0.1494	0.8800	0.330	1.25	2.65	47.0000	20.00	2
274	39.926	0.610	0.1585	1.0200	0.330	1.25	2.65	142.0000	20.10	3
275	47.854	0.610	0.1494	2.1300	0.330	1.25	2.65	460.0000	20.00	3

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 6 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	55.499	0.610	0.1585	2.4000	0.330	1.25	2.65	731.9998	20.00	3
277	93.160	0.610	0.1494	2.7000	0.330	1.25	2.65	2210.0000	20.00	4
278	113.547	0.610	0.1554	2.9000	0.330	1.25	2.65	3090.0000	20.00	5
279	74.188	0.610	0.1585	3.2000	0.330	1.25	2.65	1960.0000	19.80	3
280	120.060	0.610	0.1554	3.5000	0.330	1.25	2.65	3280.0000	20.00	5
281	125.157	0.610	0.1524	6.2000	0.330	1.25	2.65	4990.0000	20.30	7
282	131.953	0.610	0.1524	8.0000	0.330	1.25	2.65	7110.0000	20.00	7
283	152.906	0.610	0.1585	9.1000	0.330	1.25	2.65	18400.0000	20.30	7
284	171.029	0.610	0.1585	11.4000	0.330	1.25	2.65	18400.0000	19.90	7
285	30.015	0.610	0.1524	0.2200	0.330	2.07	2.65	0.0	18.30	1
286	35.395	0.610	0.1524	0.2700	0.330	2.07	2.65	0.0	18.50	1
287	29.732	0.610	0.1524	0.2900	0.330	2.07	2.65	3.5000	20.50	2
288	30.015	0.610	0.1554	0.4700	0.330	2.07	2.65	12.0000	22.50	2
289	41.341	0.610	0.1585	0.6300	0.330	2.07	2.65	85.0000	22.60	2
290	55.216	0.610	0.1524	0.9700	0.330	2.07	2.65	506.9998	22.10	3
291	47.854	0.610	0.1463	1.1700	0.330	2.07	2.65	451.9998	23.40	3
292	59.747	0.610	0.1554	1.2000	0.330	2.07	2.65	1030.0000	24.10	3
293	69.657	0.610	0.1585	1.4300	0.330	2.07	2.65	1520.0000	23.00	3
294	65.693	0.610	0.1615	1.6300	0.330	2.07	2.65	1220.0000	23.20	3
295	74.188	0.610	0.1585	1.8800	0.330	2.07	2.65	2790.0000	22.10	4
296	94.575	0.610	0.1585	3.4300	0.330	2.07	2.65	4320.0000	21.90	4
297	113.264	0.610	0.1554	4.3300	0.330	2.07	2.65	5100.0000	21.80	5
298	130.254	0.610	0.1494	4.4700	0.330	2.07	2.65	7900.0000	21.60	6
299	152.340	0.610	0.1494	6.9500	0.330	2.07	2.65	15100.0000	19.60	7
300	182.921	0.610	0.1585	9.1000	0.330	2.07	2.65	22500.0000	19.60	7
301	171.029	0.610	0.1554	9.8000	0.330	2.07	2.65	14600.0000	19.60	7
302	30.015	0.610	0.1859	0.1600	0.540	1.52	2.65	0.0	15.90	1
303	31.714	0.610	0.1829	0.1900	0.540	1.52	2.65	0.0	17.40	1
304	34.262	0.610	0.1890	0.2600	0.540	1.52	2.65	0.6000	16.90	2
305	45.022	0.610	0.1798	0.3800	0.540	1.52	2.65	17.0000	18.00	2
306	69.374	0.610	0.2195	1.7000	0.540	1.52	2.65	386.9998	18.60	3
307	88.346	0.610	0.2469	2.0100	0.540	1.52	2.65	407.9998	19.20	3
308	134.218	0.610	0.2195	3.3800	0.540	1.52	2.65	2620.0000	20.20	4
309	108.167	0.610	0.2377	3.5100	0.540	1.52	2.65	1200.0000	18.90	3
310	108.167	0.610	0.2560	3.3100	0.540	1.52	2.65	1050.0000	18.70	3
311	104.486	0.610	0.2682	2.4800	0.540	1.52	2.65	720.0000	23.30	3
312	108.733	0.610	0.2591	2.9300	0.540	1.52	2.65	903.9998	21.50	3
313	108.450	0.610	0.2621	2.9400	0.540	1.52	2.65	1100.0000	22.40	3
314	106.751	0.610	0.2195	1.9800	0.540	1.52	2.65	520.9998	25.00	4
315	96.841	0.610	0.2195	3.8800	0.540	1.52	2.65	1250.0000	20.60	3
316	135.067	0.610	0.2713	3.9900	0.540	1.52	2.65	1790.0000	19.30	4
317	135.350	0.610	0.2499	3.6600	0.540	1.52	2.65	1970.0000	24.30	4
318	135.917	0.610	0.2652	3.7700	0.540	1.52	2.65	1950.0000	22.20	4
319	137.049	0.610	0.2134	3.3900	0.540	1.52	2.65	2960.0000	22.30	5
320	108.167	0.610	0.2316	4.0800	0.540	1.52	2.65	1200.0000	21.50	4
321	117.795	0.610	0.2195	4.3300	0.540	1.52	2.65	1520.0000	17.70	4
322	150.924	0.610	0.1951	4.8600	0.540	1.52	2.65	2690.0000	20.30	5
323	196.513	0.610	0.2256	5.5100	0.540	1.52	2.65	3330.0000	21.70	6
324	197.929	0.610	0.2286	5.5000	0.540	1.52	2.65	4350.0000	22.50	6
325	197.079	0.610	0.2286	5.3700	0.540	1.52	2.65	4710.0000	23.70	6
326	197.929	0.610	0.2225	6.2800	0.540	1.52	2.65	7640.0000	24.00	6
327	180.373	0.610	0.2195	5.6500	0.540	1.52	2.65	3350.0000	18.10	6
328	211.804	0.610	0.2012	7.6800	0.540	1.52	2.65	5690.0000	19.90	6
329	215.768	0.610	0.2164	5.2000	0.540	1.52	2.65	3330.0000	22.60	6
330	214.352	0.610	0.2316	5.0800	0.540	1.52	2.65	3400.0000	22.50	6

GUY - DATA OF GUY H.P., SIMONS, D.B. AND RICHARDSON, E.V. (1966)
(SHEET 7 OF 7)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
331	214.918	0.610	0.2103	7.9000	0.540	1.52	2.65	9730.0000	23.30	6
332	214.918	0.610	0.2134	9.0000	0.540	1.52	2.65	22300.0000	23.70	7
333	221.431	0.610	0.2042	9.8000	0.540	1.52	2.65	5600.0000	23.50	6
334	221.997	0.610	0.2012	10.7500	0.540	1.52	2.65	10300.0000	25.00	7
335	222.564	0.610	0.1981	13.0500	0.540	1.52	2.65	15800.0000	25.10	7
336	223.413	0.610	0.1981	11.7500	0.540	1.52	2.65	9180.0000	22.50	7
337	221.714	0.610	0.1981	13.6500	0.540	1.52	2.65	21800.0000	22.30	7
338	222.564	0.610	0.2073	19.2800	0.540	1.52	2.65	50000.0000	24.00	7
339	221.997	0.610	0.1951	14.3800	0.540	1.52	2.65	26000.0000	16.90	7

HIL - DATA OF HILL, H.M., SRINIVASAN, V.S., AND UNNY, T.E. JR. (1969)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	114.769	0.610	0.2487	0.7900	0.088	1.66	2.65	-1.0000	27.78	4
2	113.523	0.610	0.2420	0.7420	0.088	1.66	2.65	-1.0000	27.78	4
3	112.560	0.610	0.2387	0.7600	0.088	1.66	2.65	-1.0000	27.78	4
4	112.843	0.610	0.2490	0.7690	0.088	1.66	2.65	-1.0000	27.78	4
5	114.401	0.610	0.2560	0.7920	0.088	1.66	2.65	-1.0000	27.78	4
6	90.416	0.610	0.1954	0.8900	0.088	1.66	2.65	-1.0000	27.78	4
7	88.462	0.610	0.1932	0.9120	0.088	1.66	2.65	-1.0000	27.78	4
8	90.671	0.610	0.2039	0.9100	0.088	1.66	2.65	-1.0000	27.78	4
9	90.048	0.610	0.1984	0.8690	0.088	1.66	2.65	-1.0000	27.78	4
10	92.710	0.610	0.2067	0.8450	0.088	1.66	2.65	-1.0000	27.78	4
11	71.472	0.610	0.1588	1.0060	0.088	1.66	2.65	-1.0000	27.78	4
12	80.817	0.610	0.1701	0.9420	0.088	1.66	2.65	-1.0000	27.78	4
13	77.645	0.610	0.1631	1.0630	0.088	1.66	2.65	-1.0000	27.78	4
14	79.996	0.610	0.1698	0.9970	0.088	1.66	2.65	-1.0000	27.78	4
15	76.513	0.610	0.1652	0.9980	0.088	1.66	2.65	-1.0000	27.78	4
16	98.543	0.610	0.2347	0.6890	0.088	1.66	2.65	-1.0000	32.22	4
17	106.755	0.610	0.2323	0.7590	0.088	1.66	2.65	-1.0000	32.22	4
18	94.012	0.610	0.2277	0.7160	0.088	1.66	2.65	-1.0000	37.78	4
19	95.145	0.610	0.2262	0.7380	0.088	1.66	2.65	-1.0000	37.78	4
20	89.199	0.610	0.2134	0.6940	0.088	1.66	2.65	-1.0000	43.33	4
21	89.199	0.610	0.2277	0.6830	0.088	1.66	2.65	-1.0000	43.33	4
22	82.119	0.610	0.2188	0.6250	0.088	1.66	2.65	-1.0000	54.44	4
23	85.234	0.610	0.2380	0.5210	0.088	1.66	2.65	-1.0000	65.56	4
24	112.702	0.610	0.2262	1.1620	0.088	1.66	2.65	-1.0000	32.33	4
25	114.684	0.610	0.2371	0.9790	0.088	1.66	2.65	-1.0000	22.22	4
26	121.763	0.610	0.2533	0.8370	0.088	1.66	2.65	-1.0000	21.67	4
27	110.719	0.610	0.2469	0.8330	0.150	1.51	2.65	-1.0000	22.22	4
28	107.605	0.610	0.2268	1.0410	0.150	1.51	2.65	-1.0000	21.67	4
29	92.313	0.610	0.2316	0.8750	0.150	1.51	2.65	-1.0000	26.67	4
30	107.321	0.610	0.2329	0.7630	0.150	1.51	2.65	-1.0000	32.22	4
31	90.898	0.610	0.2387	0.6530	0.150	1.51	2.65	-1.0000	43.33	4
32	116.949	0.610	0.2377	0.9000	0.150	1.51	2.65	-1.0000	65.56	4
33	105.622	0.610	0.2463	0.9330	0.150	1.51	2.65	-1.0000	54.44	4
34	86.933	0.610	0.2289	0.7370	0.150	1.51	2.65	-1.0000	54.44	4
35	93.163	0.610	0.1789	1.1150	0.150	1.51	2.65	-1.0000	65.56	4
36	108.454	0.610	0.2027	2.0100	0.310	1.32	2.65	-1.0000	23.89	4
37	108.737	0.610	0.1823	2.0330	0.310	1.32	2.65	-1.0000	27.22	4
38	95.711	0.610	0.1768	1.8370	0.310	1.32	2.65	-1.0000	32.22	4
39	123.745	0.610	0.2033	2.4710	0.310	1.32	2.65	-1.0000	43.33	4
40	115.817	0.610	0.1734	2.5490	0.310	1.32	2.65	-1.0000	54.44	4
41	116.666	0.610	0.1637	2.6040	0.310	1.32	2.65	-1.0000	65.56	4
42	118.365	0.610	0.1804	2.4940	0.310	1.32	2.65	-1.0000	38.06	4
43	115.817	0.610	0.1765	2.3150	0.310	1.32	2.65	-1.0000	48.89	4
44	104.773	0.610	0.1606	2.6780	0.310	1.32	2.65	-1.0000	32.22	4
45	118.365	0.610	0.1786	2.6040	0.310	1.32	2.65	-1.0000	30.00	4
46	117.232	0.610	0.1814	2.4360	0.310	1.32	2.65	-1.0000	42.78	4

HPY - DATA OF HO, PANG-YUNG (1939)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	50.402	0.399	0.2176	1.0600	3.130	2.24	2.49	0.1000	15.60	0
2	68.695	0.399	0.2624	1.0500	3.130	2.24	2.49	0.4500	15.70	0
3	30.949	0.399	0.1417	1.2600	3.130	2.24	2.49	0.7300	15.30	0
4	43.890	0.399	0.1826	1.2700	3.130	2.24	2.49	1.1100	15.30	0
5	53.008	0.399	0.2103	1.2500	3.130	2.24	2.49	1.5500	15.40	0
6	67.788	0.399	0.2463	1.2800	3.130	2.24	2.49	2.8900	15.50	0
7	19.821	0.399	0.1039	1.7100	3.130	2.24	2.49	0.9700	15.30	0
8	33.441	0.399	0.1420	1.7000	3.130	2.24	2.49	0.5400	15.20	0
9	52.186	0.399	0.1914	1.7000	3.130	2.24	2.49	4.5400	15.20	0
10	64.504	0.399	0.2225	1.6500	3.130	2.24	2.49	8.7800	15.30	0
11	68.610	0.399	0.2246	1.6400	3.130	2.24	2.49	8.6300	14.90	0
12	19.198	0.399	0.0796	3.3500	3.130	2.24	2.49	24.1000	15.00	0
13	34.744	0.399	0.1167	3.3600	3.130	2.24	2.49	66.7000	15.00	0
14	48.703	0.399	0.1433	3.3600	3.130	2.24	2.49	249.0000	15.10	0
15	72.008	0.399	0.1786	3.4000	3.130	2.24	2.49	441.0000	15.10	0
16	55.952	0.399	0.2216	1.2700	4.360	1.59	2.70	0.0890	15.80	0
17	65.240	0.399	0.2463	1.2800	4.360	1.59	2.70	0.1900	15.80	0
18	37.745	0.399	0.1551	1.6700	4.360	1.59	2.70	0.2600	15.70	0
19	49.100	0.399	0.1844	1.6900	4.360	1.59	2.70	0.6600	15.70	0
20	56.547	0.399	0.2030	1.6700	4.360	1.59	2.70	0.9700	15.60	0
21	64.107	0.399	0.2188	1.6700	4.360	1.59	2.70	1.7900	15.60	0
22	16.140	0.399	0.0732	3.3500	4.360	1.59	2.70	3.0900	15.40	0
23	29.250	0.399	0.1055	3.3400	4.360	1.59	2.70	12.8000	15.50	0
24	42.644	0.399	0.1353	3.3500	4.360	1.59	2.70	65.6000	15.50	0
25	54.338	0.399	0.1625	3.3400	4.360	1.59	2.70	73.5000	15.60	0
26	63.060	0.399	0.1771	3.3600	4.360	1.59	2.70	104.5000	15.70	0
27	64.447	0.399	0.2231	1.6900	6.280	1.49	2.66	0.1600	16.00	0
28	30.241	0.399	0.1061	3.3400	6.280	1.49	2.66	1.1200	15.50	0
29	44.399	0.399	0.1381	3.3500	6.280	1.49	2.66	5.9000	15.50	0
30	53.885	0.399	0.1612	3.3300	6.280	1.49	2.66	6.8000	14.90	0
31	65.042	0.399	0.1798	3.3500	6.280	1.49	2.66	18.2000	15.00	0
32	33.045	0.399	0.1021	5.0200	6.280	1.49	2.66	5.0700	14.70	0
33	50.148	0.399	0.1353	5.0400	6.280	1.49	2.66	87.2000	14.60	0
34	64.051	0.399	0.1576	5.0200	6.280	1.49	2.66	74.4000	14.70	0
35	14.639	0.399	0.0963	1.0000	2.010	1.99	2.45	2.7200	12.80	0
36	25.513	0.399	0.1329	1.0200	2.010	1.99	2.45	14.3000	13.50	0
37	36.952	0.399	0.1716	1.0100	2.010	1.99	2.45	14.4000	14.20	0
38	49.496	0.399	0.2063	1.0300	2.010	1.99	2.45	57.3000	14.40	0
39	62.861	0.399	0.2493	1.0400	2.010	1.99	2.45	71.9000	14.50	0
40	23.672	0.399	0.1204	1.2500	2.010	1.99	2.45	16.1000	14.70	0
41	39.246	0.399	0.1658	1.2600	2.010	1.99	2.45	67.8000	14.80	0
42	48.958	0.399	0.1978	1.2600	2.010	1.99	2.45	101.0000	15.00	0
43	63.060	0.399	0.2259	1.2500	2.010	1.99	2.45	122.0000	15.20	0
44	13.648	0.399	0.0823	1.6700	2.010	1.99	2.45	4.8700	15.10	0
45	25.541	0.399	0.1189	1.6600	2.010	1.99	2.45	104.0000	15.10	0
46	37.802	0.399	0.1484	1.6600	2.010	1.99	2.45	211.0000	15.10	0
47	52.186	0.399	0.1969	1.6800	2.010	1.99	2.45	178.0000	15.20	0
48	63.145	0.399	0.2249	1.6700	2.010	1.99	2.45	199.0000	15.30	0
49	30.241	0.399	0.1094	3.3300	6.010	1.39	2.66	1.3000	10.80	0
50	44.796	0.399	0.1448	3.3500	6.010	1.39	2.66	6.4300	11.00	0
51	53.687	0.399	0.1658	3.3400	6.010	1.39	2.66	7.0300	11.50	0
52	65.042	0.399	0.1740	3.3300	6.010	1.39	2.66	19.6000	11.70	0
53	33.045	0.399	0.1003	5.0000	6.010	1.39	2.66	7.1300	12.20	0
54	50.148	0.399	0.1350	5.0000	6.010	1.39	2.66	115.0000	12.60	0
55	64.051	0.399	0.1570	5.0100	6.010	1.39	2.66	169.0000	12.90	0

HPY - DATA OF HO, PANG-YUNG (1939)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	6.003	0.399	0.0506	1.0000	1.400	1.96	2.64	8.1600	13.50	0
57	12.827	0.399	0.0844	1.0000	1.400	1.96	2.64	111.0000	13.50	0
58	23.700	0.399	0.1247	0.9900	1.400	1.96	2.64	138.0000	13.60	0
59	41.653	0.399	0.1896	1.0000	1.400	1.96	2.64	205.0000	13.60	0
60	6.003	0.399	0.0509	1.0000	1.400	1.96	2.64	24.5000	28.50	0
61	12.827	0.399	0.0856	1.0100	1.400	1.96	2.64	168.0000	29.30	0
62	23.700	0.399	0.1268	1.0000	1.400	1.96	2.64	248.0000	30.70	0
63	41.653	0.399	0.2027	1.0000	1.400	1.96	2.64	317.0000	31.60	0
64	3.398	0.399	0.0363	1.0000	1.400	1.96	2.64	40.3000	41.00	0
65	6.003	0.399	0.0527	1.0000	1.400	1.96	2.64	131.0000	42.70	0
66	12.827	0.399	0.0866	1.0100	1.400	1.96	2.64	298.0000	43.60	0
67	23.700	0.399	0.1274	1.0200	1.400	1.96	2.64	351.0000	44.40	0
68	41.653	0.399	0.2176	1.0000	1.400	1.96	2.64	393.0000	44.00	0
69	6.003	0.399	0.0500	1.0000	1.400	1.96	2.64	7.3500	2.00	0
70	12.827	0.399	0.0841	1.0000	1.400	1.96	2.64	95.5000	1.60	0
71	23.700	0.399	0.1210	0.9900	1.400	1.96	2.64	116.0000	1.50	0
72	41.653	0.399	0.1835	1.0000	1.400	1.96	2.64	153.0000	2.20	0
73	5.890	0.399	0.0485	1.0000	1.400	1.96	2.64	8.3000	5.50	0
74	12.686	0.399	0.0823	1.0000	1.400	1.96	2.64	104.0000	5.80	0
75	23.729	0.399	0.1234	0.9900	1.400	1.96	2.64	124.0000	6.40	0
76	41.653	0.399	0.1841	1.0000	1.400	1.96	2.64	174.0000	7.00	0
77	6.003	0.399	0.0509	1.0000	1.400	1.96	2.64	8.1600	11.70	0
78	12.827	0.399	0.0860	1.0000	1.400	1.96	2.64	107.0000	11.80	0
79	23.700	0.399	0.1231	1.0100	1.400	1.96	2.64	141.0000	12.00	0
80	41.653	0.399	0.1859	0.9900	1.400	1.96	2.64	200.0000	12.30	0

JOR - DATA OF JORISSEN, A.L. (1938)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	18.490	0.610	0.0756	1.1300	0.600	1.80	2.67	95.8000	22.20	5
2	24.805	0.610	0.0924	1.1200	0.600	1.80	2.67	147.5000	22.20	5
3	29.052	0.610	0.0966	1.1300	0.600	1.80	2.67	143.5000	22.20	2
4	35.650	0.610	0.1049	1.1200	0.600	1.80	2.67	165.4000	22.80	2
5	10.873	0.610	0.0524	1.6700	0.600	1.80	2.67	128.1000	20.50	5
6	18.037	0.610	0.0701	1.6700	0.600	1.80	2.67	263.7998	20.50	2
7	23.134	0.610	0.0856	1.6500	0.600	1.80	2.67	249.6000	19.40	2
8	32.648	0.610	0.0991	1.6500	0.600	1.80	2.67	306.7000	19.40	2
9	3.285	0.610	0.0204	3.3200	0.600	1.80	2.67	588.0999	18.90	5
10	5.380	0.610	0.0290	3.3100	0.600	1.80	2.67	738.7998	18.90	2
11	8.325	0.610	0.0360	3.3300	0.600	1.80	2.67	781.5000	19.40	2
12	12.742	0.610	0.0460	3.3300	0.600	1.80	2.67	748.2998	18.90	2
13	17.018	0.610	0.0756	1.1100	0.910	1.53	2.67	95.6000	22.80	5
14	19.227	0.610	0.0786	1.1200	0.910	1.53	2.67	135.9000	22.80	5
15	22.171	0.610	0.0829	1.1300	0.910	1.53	2.67	146.7000	23.30	2
16	33.413	0.610	0.0975	1.1200	0.910	1.53	2.67	174.9000	23.30	2
17	34.206	0.610	0.0991	1.1200	0.910	1.53	2.67	187.2000	22.80	2
18	9.854	0.610	0.0445	1.6800	0.910	1.53	2.67	113.5000	20.00	5
19	16.253	0.610	0.0619	1.6500	0.910	1.53	2.67	259.5999	21.10	2
20	19.623	0.610	0.0674	1.6700	0.910	1.53	2.67	335.7000	21.60	2
21	22.341	0.610	0.0732	1.6600	0.910	1.53	2.67	352.2000	21.60	3
22	27.551	0.610	0.0811	1.6700	0.910	1.53	2.67	357.8999	21.60	3
23	4.559	0.610	0.0265	3.3300	0.910	1.53	2.67	802.7000	20.50	5
24	4.785	0.610	0.0277	3.3200	0.910	1.53	2.67	1134.3999	20.50	2
25	9.118	0.610	0.0390	3.3100	0.910	1.53	2.67	1056.8999	20.50	2
26	11.298	0.610	0.0469	3.3200	0.910	1.53	2.67	779.2000	20.00	5

KAH - DATA OF KALINSKE, A.A. AND HSIA, C.H. (1945)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	19.821	0.686	0.1128	0.2500	0.011	3.75	2.67	6400.0000	15.00	2
2	35.678	0.686	0.1494	0.2500	0.011	3.75	2.67	12900.0000	15.00	2
3	55.216	0.686	0.2012	0.2500	0.011	3.75	2.67	16700.0000	15.00	2
4	28.599	0.686	0.1097	0.5000	0.011	3.75	2.67	19500.0000	15.00	4
5	51.252	0.686	0.1585	0.5000	0.011	3.75	2.67	22400.0000	15.00	4
6	73.622	0.686	0.1951	0.5000	0.011	3.75	2.67	22700.0000	15.00	4
7	37.377	0.686	0.1067	1.0000	0.011	3.75	2.67	33600.0000	15.00	4
8	76.453	0.686	0.1707	1.0000	0.011	3.75	2.67	68100.0000	15.00	4
9	90.611	0.686	0.1585	1.3000	0.011	3.75	2.67	111000.0000	15.00	5

KAL - DATA OF KALKANIS,G. (1957)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	SF
1	18.751	0.305	0.2347	0.3900	0.033	1.63	2.65	0.0	22.00	0
2	28.561	0.305	0.2402	0.8700	0.033	1.63	2.65	0.0	22.00	0
3	34.291	0.305	0.2444	0.9400	0.033	1.63	2.65	11200.0000	22.00	0
4	15.743	0.305	0.1314	0.7700	0.033	1.63	2.65	6230.0000	22.00	0
5	24.816	0.305	0.2039	0.8500	0.033	1.63	2.65	26500.0000	22.00	0
6	18.847	0.305	0.1561	0.8000	0.033	1.63	2.65	61780.0000	22.00	0
7	9.025	0.305	0.1012	0.9200	0.033	1.63	2.65	0.0	22.00	0
8	12.332	0.305	0.1021	0.8200	0.033	1.63	2.65	30750.0000	22.00	0
9	13.478	0.305	0.1036	0.9600	0.033	1.63	2.65	37600.0000	22.00	0
10	15.766	0.305	0.1061	0.7900	0.033	1.63	2.65	18090.0000	22.00	0
11	31.571	0.305	0.1878	0.8500	0.033	1.63	2.65	68750.0000	22.00	0
12	27.914	0.305	0.1890	0.6800	0.033	1.63	2.65	42200.0000	22.00	0
13	13.728	0.305	0.1231	0.9100	0.033	1.63	2.65	32900.0000	22.00	0
14	12.569	0.305	0.1137	1.0200	0.022	2.35	2.65	57100.0000	22.00	0
15	12.991	0.305	0.1128	0.9800	0.022	2.35	2.65	63370.0000	22.00	0
16	13.243	0.305	0.1198	1.0200	0.022	2.35	2.65	63900.0000	22.00	0
17	12.985	0.305	0.1155	1.2300	0.022	2.35	2.65	63700.0000	22.00	0
18	20.048	0.305	0.1798	0.6900	0.022	2.35	2.65	39200.0000	22.00	0
19	20.365	0.305	0.1768	0.7500	0.022	2.35	2.65	45100.0000	22.00	0
20	18.066	0.305	0.1768	0.5700	0.022	2.35	2.65	40900.0000	22.00	0
21	12.832	0.305	0.1771	0.2300	0.013	1.83	2.65	14230.0000	22.00	0
22	12.832	0.305	0.1771	0.2400	0.013	1.83	2.65	13880.0000	22.00	0
23	12.832	0.305	0.1771	0.2400	0.013	1.83	2.65	13270.0000	22.00	0

KEN - DATA OF KENNEDY, J.F. (1961)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	5.674	0.267	0.0226	20.8000	0.549	1.14	2.65	15300.0000	26.30	0
2	6.962	0.267	0.0256	21.4000	0.549	1.14	2.65	16200.0000	25.70	0
3	14.172	0.267	0.0375	27.2000	0.549	1.14	2.65	35900.0000	27.00	0
4	6.045	0.267	0.0451	5.6000	0.549	1.14	2.65	1680.0000	24.50	0
5	8.127	0.267	0.0457	8.1000	0.549	1.14	2.65	3810.0000	24.80	0
6	9.465	0.267	0.0448	10.9000	0.549	1.14	2.65	7040.0000	25.20	0
7	10.183	0.267	0.0457	12.5000	0.549	1.14	2.65	8790.0000	24.30	0
8	13.107	0.267	0.0485	14.0000	0.549	1.14	2.65	10400.0000	25.30	0
9	13.156	0.267	0.0469	13.4000	0.549	1.14	2.65	11300.0000	24.70	0
10	12.884	0.267	0.0445	15.4000	0.549	1.14	2.65	10600.0000	24.60	0
11	15.560	0.267	0.0448	18.7000	0.549	1.14	2.65	18500.0000	24.90	0
12	13.231	0.267	0.0747	5.5000	0.549	1.14	2.65	1860.0000	25.00	0
13	21.010	0.267	0.0728	11.0000	0.549	1.14	2.65	7110.0000	25.20	0
14	22.125	0.267	0.1055	6.7000	0.549	1.14	2.65	2170.0000	25.00	0
15	6.095	0.267	0.0479	3.2000	0.233	1.47	2.65	730.0000	27.20	0
16	7.507	0.267	0.0460	3.8000	0.233	1.47	2.65	2350.0000	25.00	0
17	8.226	0.267	0.0448	4.8000	0.233	1.47	2.65	2030.0000	25.60	0
18	9.390	0.267	0.0469	7.3000	0.233	1.47	2.65	7400.0000	25.70	0
19	9.341	0.267	0.0451	6.6000	0.233	1.47	2.65	6300.0000	28.50	0
20	10.158	0.267	0.0466	9.5000	0.233	1.47	2.65	11000.0000	27.00	0
21	12.388	0.267	0.0463	16.0000	0.233	1.47	2.65	34700.0000	28.00	0
22	12.289	0.267	0.0719	2.6000	0.233	1.47	2.65	2440.0000	30.10	0
23	13.255	0.267	0.0765	2.6000	0.233	1.47	2.65	1520.0000	25.40	0
24	17.567	0.267	0.0780	4.2000	0.233	1.47	2.65	4030.0000	24.70	0
25	17.616	0.267	0.0753	4.5000	0.233	1.47	2.65	4700.0000	25.10	0
26	20.267	0.267	0.0756	6.5000	0.233	1.47	2.65	9820.0000	25.20	0
27	21.952	0.267	0.0789	9.4000	0.233	1.47	2.65	20200.0000	24.50	0
28	21.853	0.267	0.1055	2.6000	0.233	1.47	2.65	1870.0000	26.50	0
29	19.367	0.851	0.0442	3.4000	0.233	1.47	2.65	490.0000	24.50	0
30	25.454	0.851	0.0469	4.2000	0.233	1.47	2.65	2070.0000	25.10	0
31	30.750	0.851	0.0451	6.8000	0.233	1.47	2.65	9270.0000	27.30	0
32	32.015	0.851	0.0451	8.2000	0.233	1.47	2.65	10900.0000	24.40	0
33	48.378	0.851	0.0594	8.8000	0.233	1.47	2.65	15400.0000	23.60	0
34	56.678	0.851	0.0664	22.9000	0.233	1.47	2.65	58500.0000	24.50	0
35	24.347	0.851	0.0695	2.6000	0.233	1.47	2.65	550.0000	26.00	0
36	42.449	0.851	0.0768	2.1000	0.233	1.47	2.65	1170.0000	24.20	0
37	55.413	0.851	0.0771	3.4000	0.233	1.47	2.65	3570.0000	26.60	0
38	70.116	0.851	0.0783	7.1000	0.233	1.47	2.65	15000.0000	24.50	0
39	69.405	0.851	0.1021	2.5000	0.233	1.47	2.65	1620.0000	23.00	0
40	69.800	0.851	0.1085	1.7000	0.233	1.47	2.65	1700.0000	25.40	0
41	94.068	0.851	0.1061	3.2000	0.233	1.47	2.65	5150.0000	24.60	0

KNB - DATA OF KENNEDY, J.F. AND BROOKS, N.H. (1965)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	39.526	0.851	0.1676	0.5600	0.142	1.38	2.65	14.0000	19.50	3
2	39.763	0.851	0.1344	1.4500	0.142	1.38	2.65	390.0000	18.40	3
3	39.842	0.851	0.1137	2.0600	0.142	1.38	2.65	1420.0000	18.40	3
4	39.526	0.851	0.1052	1.9800	0.142	1.38	2.65	1130.0000	25.10	3
5	39.526	0.851	0.1036	1.6000	0.142	1.38	2.65	980.0000	25.30	3
6	39.526	0.851	0.0774	2.5000	0.142	1.38	2.65	1710.0000	25.30	5
7	39.605	0.851	0.0716	1.9800	0.142	1.38	2.65	1570.0000	25.70	5
8	39.605	0.851	0.0710	2.0700	0.142	1.38	2.65	1410.0000	25.20	5
9	39.842	0.851	0.0695	2.2100	0.142	1.38	2.65	1740.0000	25.40	5

LAU - DATA OF LAURSEN, E.M. (1958)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	89.903	0.914	0.1725	1.0100	0.040	2.23	2.65	83400.0000	22.90	2
2	68.298	0.914	0.1408	1.1700	0.040	2.23	2.65	82000.0000	22.90	2
3	109.356	0.914	0.2054	0.8600	0.040	2.23	2.65	58400.0000	22.90	2
4	86.477	0.914	0.1457	1.0700	0.040	2.23	2.65	97000.0000	22.90	4
5	125.270	0.914	0.1722	1.1400	0.040	2.23	2.65	83400.0000	22.90	4
6	56.632	0.914	0.1652	0.8100	0.040	2.23	2.65	30300.0000	22.90	2
7	27.438	0.914	0.1158	0.7800	0.040	2.23	2.65	7300.0000	22.90	2
8	136.285	0.914	0.2021	1.0000	0.040	2.23	2.65	98100.0000	22.90	4
9	80.531	0.914	0.1710	1.2200	0.110	1.20	2.65	2250.0000	20.60	2
10	86.760	0.914	0.2289	0.5500	0.110	1.20	2.65	290.0000	21.80	2
11	104.854	0.914	0.2829	0.4300	0.110	1.20	2.65	140.0000	22.80	2
12	181.902	0.914	0.2825	1.0100	0.110	1.20	2.65	2700.0000	24.00	2
13	83.844	0.914	0.1567	1.5200	0.110	1.20	2.65	4240.0000	21.30	2
14	74.811	0.914	0.1579	1.4400	0.110	1.20	2.65	3130.0000	21.60	2
15	59.775	0.914	0.1625	1.0600	0.110	1.20	2.65	660.0000	23.30	2
16	111.112	0.914	0.2304	0.9200	0.110	1.20	2.65	1560.0000	21.60	2
17	134.388	0.914	0.3033	0.5800	0.110	1.20	2.65	610.0000	26.50	2
18	50.176	0.914	0.1161	1.8600	0.110	1.20	2.65	2720.0000	24.90	2
19	28.259	0.914	0.0948	1.6000	0.110	1.20	2.65	550.0000	26.40	2
20	41.540	0.914	0.1164	1.5000	0.110	1.20	2.65	1030.0000	21.50	2
21	104.090	0.914	0.2210	0.8000	0.110	1.20	2.65	1310.0000	23.70	2
22	24.437	0.914	0.0762	2.1000	0.110	1.20	2.65	1430.0000	19.80	2
23	134.727	0.914	0.1439	1.2000	0.110	1.20	2.65	5150.0000	22.80	5
24	132.491	0.914	0.2161	1.0700	0.110	1.20	2.65	3050.0000	23.20	2

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	64.589	0.819	0.1213	1.7500	4.180	1.23	2.66	1.2000	29.50	0
2	73.338	0.819	0.1289	2.2500	4.180	1.23	2.66	1.3000	29.50	0
3	77.869	0.819	0.1329	2.1500	4.180	1.23	2.66	1.3000	29.50	0
4	48.250	0.819	0.0945	1.9000	4.180	1.23	2.66	1.3000	27.20	0
5	54.084	0.819	0.1006	2.2500	4.180	1.23	2.66	0.8000	27.20	0
6	57.396	0.819	0.1061	2.1500	4.180	1.23	2.66	0.7000	27.20	0
7	58.133	0.819	0.1079	2.0000	4.180	1.23	2.66	1.3000	27.20	0
8	62.012	0.819	0.1097	2.1000	4.180	1.23	2.66	1.2000	27.20	0
9	64.560	0.819	0.1106	1.8500	4.180	1.23	2.66	2.3000	27.20	0
10	69.091	0.819	0.1158	2.2500	4.180	1.23	2.66	4.5000	27.00	0
11	74.754	0.819	0.1213	3.1000	4.180	1.23	2.66	6.3000	27.00	0
12	23.276	0.819	0.0503	4.0000	4.180	1.23	2.66	4.5000	27.00	0
13	25.541	0.819	0.0527	4.0000	4.180	1.23	2.66	4.0000	27.00	0
14	28.033	0.819	0.0567	4.0000	4.180	1.23	2.66	6.8000	27.00	0
15	31.459	0.819	0.0600	3.8000	4.180	1.23	2.66	4.2000	27.00	0
16	34.574	0.819	0.0640	3.5000	4.180	1.23	2.66	13.9000	27.00	0
17	38.227	0.819	0.0674	4.8000	4.180	1.23	2.66	18.9000	27.00	0
18	40.322	0.819	0.0716	4.3000	4.180	1.23	2.66	38.3000	27.00	0
19	41.341	0.819	0.0716	4.6000	4.180	1.23	2.66	49.2000	27.00	0
20	43.663	0.819	0.0768	4.2000	4.180	1.23	2.66	49.1000	27.00	0
21	48.477	0.819	0.0783	4.5000	4.180	1.23	2.66	131.1000	27.00	0
22	53.970	0.819	0.0814	4.2000	4.180	1.23	2.66	140.6000	27.00	0
23	53.970	0.819	0.0823	4.5000	4.180	1.23	2.66	150.7000	26.50	0
24	59.095	0.819	0.0869	4.5000	4.180	1.23	2.66	255.7000	26.50	0
25	19.028	0.819	0.0317	10.0000	4.180	1.23	2.66	23.1000	29.00	0
26	20.642	0.819	0.0326	8.0000	4.180	1.23	2.66	62.1000	30.00	0
27	23.021	0.819	0.0357	6.4000	4.180	1.23	2.66	125.7000	29.00	0
28	23.361	0.819	0.0360	7.5000	4.180	1.23	2.66	263.3999	30.30	0
29	24.663	0.819	0.0387	7.3000	4.180	1.23	2.66	252.8000	30.30	0
30	25.258	0.819	0.0369	6.3000	4.180	1.23	2.66	233.3000	29.00	0
31	25.343	0.819	0.0396	4.0000	4.180	1.23	2.66	256.0999	30.00	0
32	28.033	0.819	0.0418	7.4000	4.180	1.23	2.66	311.5000	30.50	0
33	29.364	0.819	0.0418	7.3000	4.180	1.23	2.66	242.3000	30.50	0
34	33.781	0.819	0.0643	1.7500	4.180	1.23	2.66	80.4000	30.50	0
35	14.668	0.819	0.0302	9.7500	4.180	1.23	2.66	5.8000	26.50	0
36	16.537	0.819	0.0335	10.0000	4.180	1.23	2.66	29.5000	26.50	0
37	17.924	0.819	0.0341	9.5000	4.180	1.23	2.66	50.1000	26.50	0
38	18.547	0.819	0.0347	9.8000	4.180	1.23	2.66	127.3000	26.50	0
39	18.802	0.819	0.0354	9.5000	4.180	1.23	2.66	96.6000	26.50	0
40	18.887	0.819	0.0354	9.8000	4.180	1.23	2.66	132.8000	26.50	0
41	20.529	0.819	0.0366	10.0000	4.180	1.23	2.66	274.0000	26.50	0
42	23.729	0.819	0.0399	9.6500	4.180	1.23	2.66	427.0000	26.50	0
43	27.212	0.819	0.0454	9.0000	4.180	1.23	2.66	667.5000	26.50	0
44	33.413	0.819	0.0497	8.8000	4.180	1.23	2.66	615.5999	26.50	0
45	34.715	0.819	0.0799	1.2500	3.120	1.25	2.66	0.9000	29.00	0
46	38.142	0.819	0.0841	1.4500	3.120	1.25	2.66	1.1000	29.00	0
47	40.605	0.819	0.0875	1.4500	3.120	1.25	2.66	2.2000	29.00	0
48	43.748	0.819	0.0914	1.5000	3.120	1.25	2.66	1.9000	29.00	0
49	48.477	0.819	0.0951	1.2500	3.120	1.25	2.66	2.8000	29.00	0
50	50.402	0.819	0.1009	1.4000	3.120	1.25	2.66	6.6000	29.00	0
51	53.659	0.819	0.1076	1.7500	3.120	1.25	2.66	12.3000	29.00	0
52	57.510	0.819	0.1097	1.7000	3.120	1.25	2.66	5.7000	29.00	0
53	59.180	0.819	0.1106	1.7000	3.120	1.25	2.66	8.3000	29.00	0
54	64.277	0.819	0.1155	2.0000	3.120	1.25	2.66	12.5000	29.00	0
55	65.750	0.819	0.1183	2.2500	3.120	1.25	2.66	22.8000	29.50	0

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	70.082	0.819	0.1213	2.2500	3.120	1.25	2.66	25.5000	29.50	0
57	71.923	0.819	0.1222	2.2500	3.120	1.25	2.66	23.9000	29.50	0
58	28.797	0.819	0.0661	2.5000	3.120	1.25	2.66	2.9000	29.00	0
59	30.581	0.819	0.0692	2.0000	3.120	1.25	2.66	2.0000	28.50	0
60	34.545	0.819	0.0732	2.2000	3.120	1.25	2.66	4.0000	28.50	0
61	37.179	0.819	0.0762	2.2000	3.120	1.25	2.66	6.6000	28.50	0
62	39.557	0.819	0.0792	1.9500	3.120	1.25	2.66	9.0000	28.50	0
63	43.125	0.819	0.0832	2.3000	3.120	1.25	2.66	25.1000	28.50	0
64	44.966	0.819	0.0850	1.8000	3.120	1.25	2.66	38.8000	28.50	0
65	46.438	0.819	0.0869	2.2000	3.120	1.25	2.66	47.9000	28.50	0
66	48.449	0.819	0.0893	2.2000	3.120	1.25	2.66	51.4000	28.50	0
67	48.703	0.819	0.0908	2.5000	3.120	1.25	2.66	61.7000	28.50	0
68	51.507	0.819	0.0914	2.4000	3.120	1.25	2.66	65.9000	28.50	0
69	56.519	0.819	0.0960	2.4000	3.120	1.25	2.66	83.7000	28.50	0
70	58.897	0.819	0.0994	2.1000	3.120	1.25	2.66	84.2000	28.50	0
71	62.295	0.819	0.1021	2.0000	3.120	1.25	2.66	94.9000	28.50	0
72	65.863	0.819	0.1064	2.5000	3.120	1.25	2.66	162.6000	29.00	0
73	72.942	0.819	0.1091	2.4500	3.120	1.25	2.66	186.8000	29.00	0
74	20.359	0.819	0.0433	5.0000	3.120	1.25	2.66	11.3000	28.50	0
75	21.917	0.819	0.0512	4.0000	3.120	1.25	2.66	2.8000	28.50	0
76	22.313	0.819	0.0494	4.5000	3.120	1.25	2.66	2.7000	28.50	0
77	23.474	0.819	0.0466	5.0000	3.120	1.25	2.66	41.6000	28.50	0
78	24.776	0.819	0.0491	5.0000	3.120	1.25	2.66	69.6000	28.50	0
79	24.975	0.819	0.0536	4.2000	3.120	1.25	2.66	4.5000	28.50	0
80	25.513	0.819	0.0500	5.0000	3.120	1.25	2.66	85.5000	28.50	0
81	27.551	0.819	0.0539	4.8000	3.120	1.25	2.66	128.3000	28.50	0
82	29.109	0.819	0.0555	4.8000	3.120	1.25	2.66	149.4000	28.50	0
83	30.723	0.819	0.0567	4.8500	3.120	1.25	2.66	160.7000	28.50	0
84	33.130	0.819	0.0591	4.9500	3.120	1.25	2.66	229.1000	28.50	0
85	35.395	0.819	0.0610	4.9500	3.120	1.25	2.66	276.2000	28.70	0
86	37.802	0.819	0.0628	4.8500	3.120	1.25	2.66	311.5000	28.70	0
87	41.624	0.819	0.0661	4.8000	3.120	1.25	2.66	309.7998	28.70	0
88	45.107	0.819	0.0701	4.6000	3.120	1.25	2.66	359.0999	29.00	0
89	9.656	0.819	0.0244	9.4000	3.120	1.25	2.66	15.8000	27.00	0
90	10.364	0.819	0.0262	9.4000	3.120	1.25	2.66	15.7000	27.50	0
91	11.185	0.819	0.0262	9.1000	3.120	1.25	2.66	94.5000	27.00	0
92	11.185	0.819	0.0268	9.1000	3.120	1.25	2.66	142.1000	27.00	0
93	11.553	0.819	0.0268	9.0000	3.120	1.25	2.66	61.0000	27.50	0
94	12.402	0.819	0.0280	9.4000	3.120	1.25	2.66	280.0000	27.00	0
95	13.365	0.819	0.0302	9.5000	3.120	1.25	2.66	242.4000	27.50	0
96	14.469	0.819	0.0314	9.5500	3.120	1.25	2.66	379.3999	27.00	0
97	14.639	0.819	0.0305	9.0000	3.120	1.25	2.66	581.0000	27.00	0
98	14.753	0.819	0.0305	9.0000	3.120	1.25	2.66	329.7998	27.50	0
99	15.659	0.819	0.0320	9.0000	3.120	1.25	2.66	528.0999	27.50	0
100	16.310	0.819	0.0332	8.5500	3.120	1.25	2.66	546.3999	27.00	0
101	16.848	0.819	0.0317	8.8000	3.120	1.25	2.66	704.0000	27.50	0
102	17.103	0.819	0.0341	9.2000	3.120	1.25	2.66	721.2000	27.50	0
103	18.717	0.819	0.0347	9.2000	3.120	1.25	2.66	729.5999	27.00	0
104	19.283	0.819	0.0366	9.0000	3.120	1.25	2.66	681.7998	27.50	0
105	25.541	0.819	0.0671	1.6500	2.030	1.29	2.66	1.3000	29.50	0
106	28.344	0.819	0.0719	1.8500	2.030	1.29	2.66	1.2000	29.50	0
107	31.261	0.819	0.0762	1.6500	2.030	1.29	2.66	3.0000	29.50	0
108	33.356	0.819	0.0823	1.5500	2.030	1.29	2.66	11.0000	29.50	0
109	37.717	0.819	0.0853	2.0000	2.030	1.29	2.66	10.5000	30.00	0
110	42.106	0.819	0.0893	2.0500	2.030	1.29	2.66	30.9000	30.00	0

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	43.323	0.819	0.0924	2.2500	2.030	1.29	2.66	30.7000	30.00	0
112	46.778	0.819	0.0985	1.9500	2.030	1.29	2.66	37.7000	30.00	0
113	49.100	0.819	0.0975	1.7500	2.030	1.29	2.66	71.8000	30.00	0
114	50.686	0.819	0.1061	1.7500	2.030	1.29	2.66	48.9000	30.00	0
115	54.367	0.819	0.1045	1.9500	2.030	1.29	2.66	81.5000	30.00	0
116	58.303	0.819	0.1079	1.8500	2.030	1.29	2.66	102.9000	30.00	0
117	62.522	0.819	0.1103	2.2500	2.030	1.29	2.66	139.0000	30.00	0
118	63.343	0.819	0.1128	1.8000	2.030	1.29	2.66	164.8000	30.00	0
119	65.410	0.819	0.1155	2.2500	2.030	1.29	2.66	211.9000	30.50	0
120	20.303	0.819	0.0539	2.6000	2.030	1.29	2.66	2.0000	30.50	0
121	24.663	0.819	0.0585	2.5000	2.030	1.29	2.66	1.8000	30.50	0
122	26.136	0.819	0.0616	2.5000	2.030	1.29	2.66	5.3000	30.50	0
123	27.042	0.819	0.0634	2.5000	2.030	1.29	2.66	27.8000	29.50	0
124	28.599	0.819	0.0652	2.5000	2.030	1.29	2.66	20.6000	30.50	0
125	30.383	0.819	0.0677	2.5000	2.030	1.29	2.66	35.2000	30.50	0
126	32.563	0.819	0.0722	2.5000	2.030	1.29	2.66	63.1000	30.50	0
127	35.225	0.819	0.0753	2.5000	2.030	1.29	2.66	92.1000	30.50	0
128	36.584	0.819	0.0762	2.5000	2.030	1.29	2.66	119.0000	29.50	0
129	37.943	0.819	0.0780	2.7000	2.030	1.29	2.66	114.1000	30.00	0
130	40.492	0.819	0.0802	2.5000	2.030	1.29	2.66	155.7000	30.20	0
131	40.973	0.819	0.0802	2.8500	2.030	1.29	2.66	170.8000	30.50	0
132	42.191	0.819	0.0835	2.6000	2.030	1.29	2.66	195.2000	30.50	0
133	45.107	0.819	0.0841	2.6000	2.030	1.29	2.66	182.5000	30.30	0
134	44.739	0.819	0.0829	2.9000	2.030	1.29	2.66	320.3999	30.50	0
135	45.674	0.819	0.0832	2.5000	2.030	1.29	2.66	325.2998	30.50	0
136	10.109	0.819	0.0262	4.9000	2.030	1.29	2.66	4.7000	30.00	0
137	11.978	0.819	0.0299	5.0000	2.030	1.29	2.66	21.2000	30.00	0
138	12.487	0.819	0.0311	5.0000	2.030	1.29	2.66	30.9000	29.50	0
139	13.195	0.819	0.0317	5.0000	2.030	1.29	2.66	108.3000	29.50	0
140	13.875	0.819	0.0335	4.3000	2.030	1.29	2.66	62.5000	30.00	0
141	14.469	0.819	0.0329	5.0000	2.030	1.29	2.66	190.6000	29.50	0
142	15.177	0.819	0.0332	4.7000	2.030	1.29	2.66	256.0999	29.50	0
143	15.602	0.819	0.0360	4.8000	2.030	1.29	2.66	209.0000	30.00	0
144	15.602	0.819	0.0366	5.0000	2.030	1.29	2.66	300.2000	30.00	0
145	17.301	0.819	0.0390	5.0000	2.030	1.29	2.66	441.2998	30.00	0
146	17.386	0.819	0.0378	4.8500	2.030	1.29	2.66	495.0999	29.50	0
147	19.368	0.819	0.0408	4.8500	2.030	1.29	2.66	465.3999	29.50	0
148	19.765	0.819	0.0411	4.8000	2.030	1.29	2.66	606.8999	29.50	0
149	20.982	0.819	0.0430	5.0000	2.030	1.29	2.66	645.2000	29.50	0
150	23.757	0.819	0.0463	5.0000	2.030	1.29	2.66	798.7998	29.50	0
151	6.003	0.819	0.0171	10.1000	2.030	1.29	2.66	40.1000	28.50	0
152	6.654	0.819	0.0180	10.0000	2.030	1.29	2.66	198.1000	28.50	0
153	7.079	0.819	0.0189	9.8000	2.030	1.29	2.66	215.4000	28.50	0
154	7.702	0.819	0.0210	10.0000	2.030	1.29	2.66	327.7998	28.50	0
155	7.787	0.819	0.0204	10.0000	2.030	1.29	2.66	468.7000	27.50	0
156	8.608	0.819	0.0213	10.0000	2.030	1.29	2.66	933.0000	28.50	0
157	9.231	0.819	0.0226	10.0000	2.030	1.29	2.66	1070.0999	27.50	0
158	9.571	0.819	0.0226	9.8000	2.030	1.29	2.66	1131.2998	27.50	0
159	10.137	0.819	0.0244	10.0000	2.030	1.29	2.66	1487.5999	27.50	0
160	14.611	0.819	0.0488	1.3500	1.410	1.24	2.66	2.8000	26.00	0
161	16.253	0.819	0.0515	1.3500	1.410	1.24	2.66	6.3000	26.00	0
162	18.235	0.819	0.0549	1.3500	1.410	1.24	2.66	11.1000	26.00	0
163	19.878	0.819	0.0579	1.5500	1.410	1.24	2.66	25.4000	26.00	0
164	22.200	0.819	0.0610	1.8000	1.410	1.24	2.66	52.2000	26.00	0
165	24.012	0.819	0.0634	1.3500	1.410	1.24	2.66	90.6000	26.00	0

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	25.711	0.819	0.0671	1.7500	1.410	1.24	2.66	105.4000	26.00	0
167	27.410	0.819	0.0686	1.8000	1.410	1.24	2.66	142.9000	26.00	0
168	30.072	0.819	0.0732	1.7500	1.410	1.24	2.66	222.0000	26.00	0
169	31.233	0.819	0.0756	1.9000	1.410	1.24	2.66	323.2998	26.00	0
170	33.243	0.819	0.0762	2.0000	1.410	1.24	2.66	334.8999	26.00	0
171	35.537	0.819	0.0814	1.9000	1.410	1.24	2.66	401.5000	26.00	0
172	12.091	0.819	0.0393	1.8000	1.410	1.24	2.66	12.6000	25.50	0
173	13.365	0.819	0.0402	2.1000	1.410	1.24	2.66	31.7000	25.50	0
174	15.092	0.819	0.0427	2.4000	1.410	1.24	2.66	63.8000	25.50	0
175	16.537	0.819	0.0454	2.3500	1.410	1.24	2.66	125.4000	25.50	0
176	18.235	0.819	0.0479	2.4000	1.410	1.24	2.66	209.8000	25.50	0
177	18.632	0.819	0.0488	2.4000	1.410	1.24	2.66	217.2000	25.50	0
178	20.359	0.819	0.0506	2.5000	1.410	1.24	2.66	253.8000	25.50	0
179	21.945	0.819	0.0546	2.5000	1.410	1.24	2.66	359.7998	26.00	0
180	22.568	0.819	0.0549	2.5000	1.410	1.24	2.66	354.3999	26.00	0
181	23.927	0.819	0.0561	2.5000	1.410	1.24	2.66	400.0999	26.00	0
182	24.975	0.819	0.0585	2.5000	1.410	1.24	2.66	417.8999	26.00	0
183	25.937	0.819	0.0591	2.5000	1.410	1.24	2.66	411.8999	26.00	0
184	28.033	0.819	0.0625	2.5000	1.410	1.24	2.66	461.7998	26.00	0
185	29.449	0.819	0.0640	2.5000	1.410	1.24	2.66	550.5999	25.50	0
186	4.842	0.819	0.0177	5.0500	1.410	1.24	2.66	42.0000	26.00	0
187	6.739	0.819	0.0210	5.0500	1.410	1.24	2.66	113.1000	26.00	0
188	7.419	0.819	0.0223	5.0000	1.410	1.24	2.66	231.6000	26.00	0
189	7.702	0.819	0.0223	5.0000	1.410	1.24	2.66	334.0000	26.00	0
190	8.268	0.819	0.0223	4.9000	1.410	1.24	2.66	402.8999	26.00	0
191	9.401	0.819	0.0271	4.9000	1.410	1.24	2.66	558.7000	26.00	0
192	9.996	0.819	0.0268	4.9000	1.410	1.24	2.66	535.7000	26.00	0
193	10.845	0.819	0.0268	5.0000	1.410	1.24	2.66	587.2000	26.00	0
194	11.610	0.819	0.0293	4.9000	1.410	1.24	2.66	723.8999	26.00	0
195	12.742	0.819	0.0290	5.0000	1.410	1.24	2.66	781.8999	26.00	0
196	13.592	0.819	0.0302	5.0000	1.410	1.24	2.66	874.0999	25.50	0
197	14.385	0.819	0.0320	5.0000	1.410	1.24	2.66	944.7000	25.50	0
198	2.180	0.819	0.0091	10.0000	1.410	1.24	2.66	138.4000	26.50	0
199	2.662	0.819	0.0094	9.9000	1.410	1.24	2.66	655.7000	27.00	0
200	3.143	0.819	0.0107	9.8000	1.410	1.24	2.66	128.3000	26.50	0
201	3.483	0.819	0.0116	9.5000	1.410	1.24	2.66	290.0000	27.00	0
202	3.596	0.819	0.0116	8.8000	1.410	1.24	2.66	729.3999	27.00	0
203	4.191	0.819	0.0134	9.4000	1.410	1.24	2.66	760.0999	27.00	0
204	5.323	0.819	0.0149	9.9000	1.410	1.24	2.66	1359.0999	27.00	0
205	5.550	0.819	0.0125	9.2000	1.410	1.24	2.66	1129.5999	27.00	0
206	6.439	0.819	0.0180	9.7000	1.410	1.24	2.66	2361.8999	27.00	0
207	42.276	0.819	0.0917	2.4000	3.730	1.30	2.66	1.0000	23.00	0
208	47.854	0.819	0.1006	2.6000	3.730	1.30	2.66	1.8000	23.00	0
209	53.744	0.819	0.1052	2.2500	3.730	1.30	2.66	2.3000	23.00	0
210	58.897	0.819	0.1122	1.8500	3.730	1.30	2.66	2.9000	23.00	0
211	63.711	0.819	0.1158	1.8000	3.730	1.30	2.66	4.1000	23.00	0
212	28.797	0.819	0.0652	2.7000	3.730	1.30	2.66	1.4000	22.50	0
213	32.592	0.819	0.0710	2.9000	3.730	1.30	2.66	1.3000	22.50	0
214	37.660	0.819	0.0762	3.3500	3.730	1.30	2.66	2.3000	22.50	0
215	42.021	0.819	0.0823	3.1000	3.730	1.30	2.66	3.2000	22.50	0
216	45.107	0.819	0.0850	3.0000	3.730	1.30	2.66	4.1000	22.50	0
217	48.505	0.819	0.0908	2.7000	3.730	1.30	2.66	3.8000	22.50	0
218	49.128	0.819	0.0911	2.6000	3.730	1.30	2.66	8.3000	22.50	0
219	51.648	0.819	0.0981	2.5000	3.730	1.30	2.66	11.0000	22.50	0
220	53.857	0.819	0.0945	2.6500	3.730	1.30	2.66	33.5000	22.50	0

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	57.765	0.819	0.1036	2.6000	3.730	1.30	2.66	31.7000	22.50	0
222	63.881	0.819	0.1088	2.7500	3.730	1.30	2.66	44.8000	22.50	0
223	19.765	0.819	0.0421	5.1000	3.730	1.30	2.66	4.1000	24.00	0
224	22.455	0.819	0.0466	5.0000	3.730	1.30	2.66	7.2000	24.00	0
225	25.909	0.819	0.0524	5.0000	3.730	1.30	2.66	17.7000	24.00	0
226	28.033	0.819	0.0533	5.4000	3.730	1.30	2.66	25.3000	24.00	0
227	30.893	0.819	0.0561	5.3500	3.730	1.30	2.66	39.7000	22.50	0
228	34.574	0.819	0.0607	5.1000	3.730	1.30	2.66	74.5000	22.50	0
229	36.896	0.819	0.0649	5.0000	3.730	1.30	2.66	81.2000	22.50	0
230	40.577	0.819	0.0680	5.0000	3.730	1.30	2.66	139.6000	22.50	0
231	43.323	0.819	0.0707	5.0000	3.730	1.30	2.66	199.5000	22.50	0
232	47.203	0.819	0.0741	4.6000	3.730	1.30	2.66	241.9000	22.50	0
233	49.553	0.819	0.0762	4.8000	3.730	1.30	2.66	285.2000	22.50	0
234	10.902	0.819	0.0253	10.0000	3.730	1.30	2.66	4.7000	24.50	0
235	11.610	0.819	0.0253	10.0000	3.730	1.30	2.66	7.0000	24.50	0
236	13.054	0.819	0.0277	10.0000	3.730	1.30	2.66	14.8000	24.50	0
237	13.507	0.819	0.0283	10.0000	3.730	1.30	2.66	26.3000	24.50	0
238	14.045	0.819	0.0296	10.0000	3.730	1.30	2.66	29.4000	24.50	0
239	15.291	0.819	0.0305	10.0000	3.730	1.30	2.66	79.3000	24.50	0
240	16.083	0.819	0.0314	9.7000	3.730	1.30	2.66	154.0000	24.50	0
241	17.075	0.819	0.0335	10.0000	3.730	1.30	2.66	228.2000	24.50	0
242	17.216	0.819	0.0332	10.0000	3.730	1.30	2.66	261.7998	24.50	0
243	18.009	0.819	0.0344	10.0000	3.730	1.30	2.66	286.0000	24.50	0
244	19.198	0.819	0.0357	10.0000	3.730	1.30	2.66	443.0000	24.50	0
245	19.538	0.819	0.0347	10.0000	3.730	1.30	2.66	458.2000	24.50	0
246	20.303	0.819	0.0378	10.0000	3.730	1.30	2.66	550.7998	24.50	0
247	21.407	0.819	0.0396	10.0000	3.730	1.30	2.66	761.3999	24.50	0
248	18.066	0.819	0.0549	1.6500	1.680	1.36	2.66	1.9000	26.50	0
249	19.708	0.819	0.0579	1.7000	1.680	1.36	2.66	5.2000	26.50	0
250	21.662	0.819	0.0610	1.9500	1.680	1.36	2.66	7.0000	26.50	0
251	23.842	0.819	0.0637	1.8500	1.680	1.36	2.66	12.8000	26.50	0
252	25.230	0.819	0.0668	1.8000	1.680	1.36	2.66	24.0000	26.50	0
253	27.438	0.819	0.0698	1.9000	1.680	1.36	2.66	45.0000	26.50	0
254	29.307	0.819	0.0722	1.9000	1.680	1.36	2.66	67.3000	26.50	0
255	31.997	0.819	0.0759	2.3500	1.680	1.36	2.66	84.3000	26.50	0
256	33.130	0.819	0.0786	2.3500	1.680	1.36	2.66	122.2000	26.50	0
257	35.395	0.819	0.0792	2.2500	1.680	1.36	2.66	208.7000	26.50	0
258	37.943	0.819	0.0838	2.2500	1.680	1.36	2.66	280.0000	26.50	0
259	39.982	0.819	0.0856	2.3500	1.680	1.36	2.66	306.3999	26.50	0
260	40.775	0.819	0.0917	2.2000	1.680	1.36	2.66	390.5999	26.50	0
261	12.629	0.819	0.0399	2.4500	1.680	1.36	2.66	2.7000	27.00	0
262	14.894	0.819	0.0427	2.5000	1.680	1.36	2.66	6.8000	27.00	0
263	15.942	0.819	0.0463	2.4500	1.680	1.36	2.66	19.1000	27.00	0
264	17.839	0.819	0.0488	2.4500	1.680	1.36	2.66	22.6000	27.00	0
265	19.623	0.819	0.0518	2.5000	1.680	1.36	2.66	34.4000	27.00	0
266	21.577	0.819	0.0546	2.5000	1.680	1.36	2.66	37.4000	27.00	0
267	23.474	0.819	0.0573	2.5000	1.680	1.36	2.66	83.9000	27.00	0
268	26.249	0.819	0.0604	2.5000	1.680	1.36	2.66	113.7000	26.50	0
269	27.438	0.819	0.0637	2.4000	1.680	1.36	2.66	262.5999	26.50	0
270	29.505	0.819	0.0649	2.5000	1.680	1.36	2.66	303.2000	26.50	0
271	31.431	0.819	0.0661	2.5000	1.680	1.36	2.66	322.3999	26.50	0
272	32.733	0.819	0.0689	2.5000	1.680	1.36	2.66	405.7998	26.50	0
273	6.994	0.819	0.0235	5.0000	1.680	1.36	2.66	24.3000	23.50	0
274	7.702	0.819	0.0241	5.0000	1.680	1.36	2.66	17.6000	23.50	0
275	8.665	0.819	0.0244	5.0000	1.680	1.36	2.66	43.0000	24.00	0

MAV - DATA OF MAVIS, F.T., LIU, T. AND SOUCEK, E. (1937)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	8.778	0.819	0.0250	5.0000	1.680	1.36	2.66	69.5000	24.00	0
277	9.033	0.819	0.0259	5.0000	1.680	1.36	2.66	100.9000	24.00	0
278	10.052	0.819	0.0271	5.0000	1.680	1.36	2.66	166.8000	24.00	0
279	11.015	0.819	0.0283	5.0000	1.680	1.36	2.66	220.3000	24.00	0
280	11.553	0.819	0.0305	5.0000	1.680	1.36	2.66	350.2000	24.00	0
281	12.487	0.819	0.0314	5.0000	1.680	1.36	2.66	455.8999	24.00	0
282	13.365	0.819	0.0314	5.0000	1.680	1.36	2.66	635.8999	24.00	0
283	14.186	0.819	0.0341	4.5000	1.680	1.36	2.66	628.2000	23.50	0
284	15.942	0.819	0.0347	4.8000	1.680	1.36	2.66	875.7998	23.50	0
285	3.653	0.819	0.0119	9.9000	1.680	1.36	2.66	46.5000	23.50	0
286	5.097	0.819	0.0152	10.0000	1.680	1.36	2.66	297.8999	23.50	0
287	5.465	0.819	0.0162	10.0000	1.680	1.36	2.66	258.5999	24.00	0
288	5.720	0.819	0.0177	9.7000	1.680	1.36	2.66	530.2998	24.00	0
289	6.173	0.819	0.0180	10.0000	1.680	1.36	2.66	639.5999	24.00	0
290	6.173	0.819	0.0174	10.0000	1.680	1.36	2.66	875.7000	24.00	0
291	6.909	0.819	0.0183	10.0000	1.680	1.36	2.66	1201.7000	24.00	0
292	7.702	0.819	0.0183	10.0000	1.680	1.36	2.66	1531.0999	24.00	0
293	9.089	0.819	0.0213	10.0000	1.680	1.36	2.66	2227.5999	24.00	0

MCD - DATA OF MACDOUGAL, C.H. (1933)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	3.794	0.610	0.0195	3.3300	0.660	1.29	2.65	411.5000	-1.00	0
2	6.399	0.610	0.0276	3.3300	0.660	1.29	2.65	729.0999	-1.00	0
3	8.608	0.610	0.0336	3.3300	0.660	1.29	2.65	919.7000	-1.00	0
4	10.024	0.610	0.0373	3.3300	0.660	1.29	2.65	399.7998	-1.00	0
5	12.912	0.610	0.0440	3.3300	0.660	1.29	2.65	1171.5000	-1.00	0
6	13.422	0.610	0.0450	3.3300	0.660	1.29	2.65	1168.2998	-1.00	0
7	17.329	0.610	0.0530	3.3300	0.660	1.29	2.65	1236.7998	-1.00	0
8	16.876	0.610	0.0520	3.3300	0.660	1.29	2.65	1030.7000	-1.00	0
9	17.273	0.610	0.0530	3.3300	0.660	1.29	2.65	919.5000	-1.00	0
10	17.499	0.610	0.0540	3.3300	0.660	1.29	2.65	994.0000	-1.00	0
11	20.671	0.610	0.0600	3.3300	0.660	1.29	2.65	902.5999	-1.00	0
12	9.967	0.610	0.0360	3.3300	0.660	1.29	2.65	885.5000	-1.00	0
13	21.633	0.610	0.0620	3.3300	0.660	1.29	2.65	1130.5999	-1.00	0
14	13.365	0.610	0.0450	3.3300	0.660	1.29	2.65	1018.5999	-1.00	0
15	9.231	0.610	0.0404	1.6700	0.660	1.29	2.65	177.7000	-1.00	0
16	10.080	0.610	0.0410	1.6700	0.660	1.29	2.65	232.3000	-1.00	0
17	15.461	0.610	0.0550	1.6700	0.660	1.29	2.65	373.5999	-1.00	0
18	15.461	0.610	0.0560	1.6700	0.660	1.29	2.65	434.0000	-1.00	0
19	21.860	0.610	0.0740	1.6700	0.660	1.29	2.65	491.2998	-1.00	0
20	26.900	0.610	0.0865	1.6700	0.660	1.29	2.65	615.7998	-1.00	0
21	24.182	0.610	0.0815	1.6700	0.660	1.29	2.65	484.7998	-1.00	0
22	15.517	0.610	0.0607	1.1100	0.660	1.29	2.65	216.2000	-1.00	0
23	17.669	0.610	0.0658	1.1100	0.660	1.29	2.65	241.3000	-1.00	0
24	22.483	0.610	0.0780	1.1100	0.660	1.29	2.65	201.8000	-1.00	0
25	30.581	0.610	0.1006	1.1100	0.660	1.29	2.65	230.8000	-1.00	0
26	36.811	0.610	0.1256	1.1100	0.660	1.29	2.65	252.0000	-1.00	0
27	18.009	0.610	0.0649	1.1100	0.660	1.29	2.65	165.2000	-1.00	0
28	8.835	0.610	0.0326	3.3300	0.940	1.63	2.65	556.3999	-1.00	0
29	14.894	0.610	0.0469	3.3300	0.940	1.63	2.65	970.0999	-1.00	0
30	13.592	0.610	0.0430	3.3300	0.940	1.63	2.65	682.5000	-1.00	0
31	15.857	0.610	0.0491	3.3300	0.940	1.63	2.65	985.7998	-1.00	0
32	9.401	0.610	0.0344	3.3300	0.940	1.63	2.65	646.2000	-1.00	0
33	14.328	0.610	0.0552	1.6700	0.940	1.63	2.65	234.1000	-1.00	0
34	18.066	0.610	0.0634	1.6700	0.940	1.63	2.65	300.0999	-1.00	0
35	13.025	0.610	0.0488	1.6700	0.940	1.63	2.65	145.2000	-1.00	0
36	24.748	0.610	0.0765	1.6700	0.940	1.63	2.65	330.0000	-1.00	0
37	39.642	0.610	0.1119	1.6700	0.940	1.63	2.65	324.2998	-1.00	0
38	33.696	0.610	0.0969	1.6700	0.940	1.63	2.65	299.3999	-1.00	0
39	13.931	0.610	0.0576	1.1100	0.940	1.63	2.65	68.7000	-1.00	0
40	18.009	0.610	0.0686	1.1100	0.940	1.63	2.65	71.5000	-1.00	0
41	22.936	0.610	0.0826	1.1100	0.940	1.63	2.65	117.5000	-1.00	0
42	32.677	0.610	0.1024	1.1100	0.940	1.63	2.65	142.0000	-1.00	0
43	43.154	0.610	0.1283	1.1100	0.940	1.63	2.65	204.5000	-1.00	0
44	44.909	0.610	0.1317	1.1100	0.940	1.63	2.65	163.4000	-1.00	0
45	48.137	0.610	0.1359	1.1100	0.940	1.63	2.65	179.2000	-1.00	0
46	48.137	0.610	0.1402	1.1100	0.940	1.63	2.65	230.5000	-1.00	0
47	40.209	0.610	0.1210	1.1100	0.940	1.63	2.65	173.1000	-1.00	0
48	58.897	0.610	0.1463	1.1100	0.940	1.63	2.65	151.2000	-1.00	0
49	14.101	0.610	0.0445	3.3300	1.260	1.71	2.65	372.0000	-1.00	0
50	19.991	0.610	0.0564	3.3300	1.260	1.71	2.65	537.2998	-1.00	0
51	28.882	0.610	0.0695	3.3300	1.260	1.71	2.65	1318.2000	-1.00	0
52	24.069	0.610	0.0674	3.3300	1.260	1.71	2.65	948.0000	-1.00	0
53	18.009	0.610	0.0546	3.3300	1.260	1.71	2.65	784.0000	-1.00	0
54	17.839	0.610	0.0533	3.3300	1.260	1.71	2.65	688.2998	-1.00	0
55	22.936	0.610	0.0655	3.3300	1.260	1.71	2.65	923.2998	-1.00	0

MCD - DATA OF MACDOUGAL, C.H. (1933)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	24.352	0.610	0.0695	3.3300	1.260	1.71	2.65	818.0000	-1.00	0
57	23.332	0.610	0.0664	3.3300	1.260	1.71	2.65	896.8999	-1.00	0
58	19.765	0.610	0.0680	1.6700	1.260	1.71	2.65	223.1000	-1.00	0
59	22.426	0.610	0.0783	1.6700	1.260	1.71	2.65	128.1000	-1.00	0
60	24.635	0.610	0.0835	1.6700	1.260	1.71	2.65	182.2000	-1.00	0
61	32.337	0.610	0.0985	1.6700	1.260	1.71	2.65	201.3000	-1.00	0
62	39.359	0.610	0.1097	1.6700	1.260	1.71	2.65	256.2998	-1.00	0
63	44.230	0.610	0.1234	1.6700	1.260	1.71	2.65	286.0999	-1.00	0
64	46.721	0.610	0.1256	1.6700	1.260	1.71	2.65	292.5999	-1.00	0
65	51.705	0.610	0.1286	1.6700	1.260	1.71	2.65	281.7998	-1.00	0
66	37.943	0.610	0.1100	1.6700	1.260	1.71	2.65	243.9000	-1.00	0
67	32.280	0.610	0.0963	1.6700	1.260	1.71	2.65	174.2000	-1.00	0
68	27.013	0.610	0.0866	1.6700	1.260	1.71	2.65	196.0000	-1.00	0
69	26.164	0.610	0.0884	1.6700	1.260	1.71	2.65	185.1000	-1.00	0
70	39.812	0.610	0.1244	1.1100	1.260	1.71	2.65	123.5000	-1.00	0
71	45.022	0.610	0.1335	1.1100	1.260	1.71	2.65	132.8000	-1.00	0
72	54.367	0.610	0.1448	1.1100	1.260	1.71	2.65	126.1000	-1.00	0
73	60.030	0.610	0.1509	1.1100	1.260	1.71	2.65	122.6000	-1.00	0
74	63.994	0.610	0.1591	1.1100	1.260	1.71	2.65	142.2000	-1.00	0

MPR - DATA OF MEYER-PETER, E. AND MULLER, R. (1948)
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1640.940	1.999	0.3868	10.7000	28.650	1.00	2.68	1105.5000	-1.00	0
2	1640.940	1.999	0.4438	6.5380	28.650	1.00	2.68	28.7140	-1.00	0
3	1640.940	1.999	0.3972	9.1990	28.650	1.00	2.68	603.0000	-1.00	0
4	1640.940	1.999	0.3987	9.2780	28.650	1.00	2.68	598.2139	-1.00	0
5	1640.940	1.999	0.3987	9.2290	28.650	1.00	2.68	596.6179	-1.00	0
6	1640.940	1.999	0.3990	9.1480	28.650	1.00	2.68	617.3569	-1.00	0
7	1640.940	1.999	0.3975	9.1570	28.650	1.00	2.68	603.0000	-1.00	0
8	1640.940	1.999	0.3682	13.7300	28.650	1.00	2.68	2333.8328	-1.00	0
9	1640.940	1.999	0.4127	8.2040	28.650	1.00	2.68	303.0950	-1.00	0
10	1640.940	1.999	0.4182	7.6070	28.650	1.00	2.68	194.6190	-1.00	0
11	1640.940	1.999	0.4545	5.6130	28.650	1.00	2.68	19.1430	-1.00	0
12	1640.940	1.999	0.3423	17.6900	28.650	1.00	2.68	5103.1563	-1.00	0
13	3270.780	1.999	0.5971	12.1900	28.650	1.00	2.68	2589.0698	-1.00	0
14	3270.780	1.999	0.6529	8.4830	28.650	1.00	2.68	1175.6899	-1.00	0
15	3270.780	1.999	0.6940	7.0700	28.650	1.00	2.68	585.4519	-1.00	0
16	3270.780	1.999	0.7218	5.9150	28.650	1.00	2.68	295.1189	-1.00	0
17	3270.780	1.999	0.7288	5.7830	28.650	1.00	2.68	295.1189	-1.00	0
18	3270.780	1.999	0.8345	3.5200	28.650	1.00	2.68	9.5710	-1.00	0
19	3270.780	1.999	0.8531	3.4460	28.650	1.00	2.68	7.9760	-1.00	0
20	3270.780	1.999	0.5998	12.4100	28.650	1.00	2.68	2589.0698	-1.00	0
21	4613.805	1.999	0.8013	10.8700	28.650	1.00	2.68	1829.7378	-1.00	0
22	4482.699	1.999	0.7812	10.6700	28.650	1.00	2.68	1896.7378	-1.00	0
23	4577.844	1.999	0.8605	7.3850	28.650	1.00	2.68	834.3088	-1.00	0
24	4553.773	1.999	0.8525	7.3690	28.650	1.00	2.68	834.3088	-1.00	0
25	4582.938	1.999	0.9080	5.7820	28.650	1.00	2.68	421.1418	-1.00	0
26	4608.711	1.999	0.9254	5.7470	28.650	1.00	2.68	416.3560	-1.00	0
27	4599.930	1.999	0.9735	4.7900	28.650	1.00	2.68	208.9760	-1.00	0
28	4599.930	1.999	0.9607	5.0210	28.650	1.00	2.68	207.3810	-1.00	0
29	4599.930	1.999	1.0921	3.1710	28.650	1.00	2.68	6.3810	-1.00	0
30	4599.930	1.999	1.0921	3.2470	28.650	1.00	2.68	6.3810	-1.00	0
31	1640.940	1.999	0.3508	17.6720	28.650	1.00	2.68	5171.7578	-1.00	0
32	3270.780	1.999	0.8227	3.8950	28.650	1.00	2.68	9.5710	-1.00	0
33	21.690	0.354	0.0600	22.7000	5.210	1.00	2.68	6896.1953	-1.00	0
34	21.690	0.354	0.0710	9.6400	5.210	1.00	2.68	598.2139	-1.00	0
35	21.690	0.354	0.0668	12.6700	5.210	1.00	2.68	1743.5950	-1.00	0
36	21.690	0.354	0.0610	17.6000	5.210	1.00	2.68	4085.3979	-1.00	0
37	21.690	0.354	0.0576	22.2600	5.210	1.00	2.68	6999.8945	-1.00	0
38	60.794	0.354	0.1362	11.2000	5.210	1.00	2.68	2536.4280	-1.00	0
39	60.794	0.354	0.1475	8.8800	5.210	1.00	2.68	1467.6189	-1.00	0
40	60.794	0.354	0.1603	6.2200	5.210	1.00	2.68	631.7129	-1.00	0
41	60.794	0.354	0.1600	6.3300	5.210	1.00	2.68	631.7129	-1.00	0
42	60.823	0.354	0.1750	4.6700	5.210	1.00	2.68	223.3330	-1.00	0
43	60.823	0.354	0.1981	3.1900	5.210	1.00	2.68	19.1430	-1.00	0
44	60.823	0.354	0.1951	3.2900	5.210	1.00	2.68	19.1430	-1.00	0
45	43.352	0.354	0.1454	3.7200	5.210	1.00	2.68	27.1190	-1.00	0
46	43.352	0.354	0.1009	13.0700	5.210	1.00	2.68	3568.5469	-1.00	0
47	43.352	0.354	0.1301	5.6200	5.210	1.00	2.68	312.6658	-1.00	0
48	82.088	0.354	0.1817	9.8300	5.210	1.00	2.68	1883.9758	-1.00	0
49	82.088	0.354	0.2131	5.3800	5.210	1.00	2.68	467.4038	-1.00	0
50	82.088	0.354	0.2484	3.1800	5.210	1.00	2.68	46.2620	-1.00	0
51	67.505	0.500	0.1999	2.6800	2.690	1.99	2.68	68.5950	-1.00	0
52	60.709	0.500	0.1853	2.6960	2.690	1.99	2.68	60.6190	-1.00	0
53	54.112	0.500	0.1713	2.7510	2.690	1.99	2.68	44.6670	-1.00	0
54	43.890	0.500	0.1490	2.7430	2.690	1.99	2.68	14.3570	-1.00	0
55	34.999	0.500	0.1274	2.7470	2.690	1.99	2.68	4.1000	-1.00	0

MPR - DATA OF MEYER-PETER, E. AND MULLER, R. (1948)
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	28.005	0.500	0.1128	2.7910	2.690	1.99	2.68	1.1330	-1.00	0
57	20.388	0.500	0.0924	2.7450	2.690	1.99	2.68	0.0	-1.00	0
58	15.206	0.500	0.0777	2.7550	2.690	1.99	2.68	0.0	-1.00	0
59	60.709	0.500	0.1844	2.7730	2.690	1.99	2.68	61.8950	-1.00	0
60	90.583	0.500	0.2429	2.7300	2.690	1.99	2.68	309.4758	-1.00	0
61	60.709	0.500	0.1847	2.7490	2.690	1.99	2.68	114.8570	-1.00	0
62	90.583	0.500	0.2417	2.7650	2.690	1.99	2.68	332.8569	-1.00	0
63	85.005	0.500	0.2298	2.8220	2.690	1.99	2.68	384.4519	-1.00	0
64	74.811	0.500	0.2112	2.7670	2.690	1.99	2.68	287.1428	-1.00	0
65	67.788	0.500	0.1993	2.7590	2.690	1.99	2.68	218.5480	-1.00	0
66	60.709	0.500	0.1850	2.7270	2.690	1.99	2.68	181.8570	-1.00	0
67	50.006	0.500	0.1631	2.7210	2.690	1.99	2.68	87.7380	-1.00	0
68	40.010	0.500	0.1405	2.7360	2.690	1.99	2.68	46.2620	-1.00	0
69	60.709	0.500	0.1841	2.7120	2.690	1.99	2.68	161.1190	-1.00	0
70	41.086	0.500	0.1402	2.7310	1.950	2.40	2.68	141.9760	-1.00	0
71	62.097	0.500	0.1875	2.7090	3.330	1.94	2.68	59.0240	-1.00	0
72	43.097	0.500	0.1472	2.6590	3.330	1.94	2.68	6.6680	-1.00	0
73	92.593	0.500	0.2438	2.8070	3.330	1.94	2.68	221.7380	-1.00	0
74	50.006	0.500	0.1637	2.6680	3.330	1.94	2.68	11.1670	-1.00	0
75	19.991	0.649	0.0628	2.8250	1.110	2.10	2.68	296.7139	-1.00	0
76	36.698	0.649	0.0908	3.2500	1.110	2.10	2.68	770.5000	-1.00	0
77	14.498	0.649	0.0515	2.3550	1.110	2.10	2.68	102.0950	-1.00	0
78	26.504	0.649	0.0753	2.6720	1.110	2.10	2.68	526.4280	-1.00	0
79	28.599	0.649	0.0765	3.0380	1.110	2.10	2.68	735.4038	-1.00	0
80	58.501	0.649	0.1317	4.0660	1.110	2.10	2.68	1091.1418	-1.00	0
81	2.605	0.649	0.0098	16.0000	1.110	2.10	2.68	4905.3516	-1.00	0
82	1.189	0.299	0.0104	16.5000	1.110	2.10	2.68	6033.1836	-1.00	0
83	0.595	0.149	0.0101	19.9200	1.110	2.10	2.68	6489.4180	-1.00	0
84	0.991	0.149	0.0140	20.7000	1.110	2.10	2.68	9571.4219	-1.00	0
85	149.990	1.999	0.1102	2.4040	1.500	2.70	2.68	580.6658	-1.00	0
86	99.984	1.999	0.0780	2.5000	1.500	2.70	2.68	245.6670	-1.00	0
87	99.984	1.999	0.0786	2.5500	1.500	2.70	2.68	282.3569	-1.00	0
88	69.997	1.999	0.0564	2.5900	1.500	2.70	2.68	129.2140	-1.00	0
89	120.003	1.999	0.0945	2.4400	1.500	2.70	2.68	394.0239	-1.00	0
90	224.999	1.999	0.1497	2.4200	1.500	2.70	2.68	695.5229	-1.00	0
91	180.005	1.999	0.1228	2.6500	1.500	2.70	2.68	741.7849	-1.00	0
92	329.994	1.999	0.2039	2.4800	1.500	2.70	2.68	566.3088	-1.00	0
93	329.994	1.999	0.2030	2.4100	1.500	2.70	2.68	639.6899	-1.00	0
94	329.994	1.999	0.2067	2.3900	1.500	2.70	2.68	626.9280	-1.00	0
95	329.994	1.999	0.1984	2.7500	1.500	2.70	2.68	775.2849	-1.00	0
96	329.994	1.999	0.1978	2.6100	1.500	2.70	2.68	713.0708	-1.00	0
97	259.997	1.999	0.1655	2.4500	1.500	2.70	2.68	730.6189	-1.00	0
98	259.997	1.999	0.1701	2.2500	1.500	2.70	2.68	548.7610	-1.00	0
99	149.990	1.999	0.1149	2.4000	1.500	2.70	2.68	381.2620	-1.00	0
100	190.000	1.999	0.1350	2.3500	1.500	2.70	2.68	476.9758	-1.00	0
101	159.985	1.999	0.0866	8.2700	4.000	2.56	2.68	2252.4758	-1.00	0
102	219.987	1.999	0.1079	8.0100	4.000	2.56	2.68	3016.5940	-1.00	0
103	219.987	1.999	0.1061	8.1100	4.000	2.56	2.68	2928.8550	-1.00	0
104	250.002	1.999	0.1061	8.1000	4.000	2.56	2.68	3177.7119	-1.00	0
105	194.984	1.999	0.0991	8.1300	4.000	2.56	2.68	2651.2839	-1.00	0
106	139.994	1.999	0.0856	8.1900	4.000	2.56	2.68	1936.6189	-1.00	0
107	99.984	1.999	0.0680	8.1200	4.000	2.56	2.68	1186.8560	-1.00	0
108	549.981	1.999	0.4901	0.5000	0.340	1.66	2.68	31.9050	-1.00	0
109	299.979	1.999	0.3520	0.4200	0.340	1.66	2.68	14.3570	-1.00	0
110	399.992	1.999	0.3999	0.4800	0.340	1.66	2.68	35.0950	-1.00	0

MPR - DATA OF MEYER-PETER, E. AND MULLER, R. (1948)
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	199.996	1.999	0.2850	0.4000	0.340	1.66	2.68	6.3310	-1.00	0
112	349.986	1.999	0.3719	0.4500	0.340	1.66	2.68	25.5240	-1.00	0
113	180.005	1.999	0.1911	1.0030	1.000	1.38	2.68	94.1190	-1.00	0
114	139.994	1.999	0.1521	1.0430	1.000	1.38	2.68	95.7140	-1.00	0
115	99.984	1.999	0.1119	1.0740	1.000	1.38	2.68	108.4760	-1.00	0
116	10.000	0.354	0.0769	1.7500	5.200	1.00	1.25	424.8008	-1.00	0
117	10.000	0.354	0.0633	3.2600	5.200	1.00	1.25	2725.8059	-1.00	0
118	10.000	0.354	0.0582	4.2700	5.200	1.00	1.25	4814.4023	-1.00	0
119	5.000	0.354	0.0333	6.9700	5.200	1.00	1.25	9699.6172	-1.00	0
120	21.610	0.354	0.1169	2.8000	5.200	1.00	1.25	2285.1968	-1.00	0
121	5.000	0.354	0.0460	2.1700	5.200	1.00	1.25	212.4000	-1.00	0
122	10.000	0.354	0.0821	1.2800	5.200	1.00	1.25	106.2000	-1.00	0
123	10.000	0.354	0.0508	6.3800	5.200	1.00	1.25	10673.1133	-1.00	0
124	21.610	0.354	0.0978	3.9100	5.200	1.00	1.25	5045.4453	-1.00	0
125	2.080	0.354	0.0237	5.7200	5.200	1.00	1.25	2127.4080	-1.00	0
126	1.080	0.354	0.0133	7.9100	5.200	1.00	1.25	4097.2266	-1.00	0
127	0.780	0.354	0.0079	10.6300	5.200	1.00	1.25	5673.0859	-1.00	0
128	2.140	0.354	0.0550	18.4000	5.200	1.00	4.22	2948.3830	-1.00	0
129	2.140	0.354	0.0575	16.0100	5.200	1.00	4.22	758.7759	-1.00	0
130	2.140	0.354	0.0528	22.7000	5.200	1.00	4.22	9452.1797	-1.00	0
131	6.080	0.354	0.1422	8.2300	5.200	1.00	4.22	1121.6909	-1.00	0
132	6.080	0.354	0.1174	16.5400	5.200	1.00	4.22	18618.5352	-1.00	0
133	6.080	0.354	0.1242	12.6800	5.200	1.00	4.22	9385.5742	-1.00	0
134	8.210	0.354	0.1984	5.7800	5.200	1.00	4.22	220.3840	-1.00	0
135	8.210	0.354	0.1659	11.0200	5.200	1.00	4.22	7063.5977	-1.00	0

MUT - DATA OF MUTTER, D.G. (1971)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	14.158	1.219	0.0536	1.3700	0.260	1.34	2.65	33.0000	32.22	2
2	17.839	1.219	0.0290	3.6000	0.260	1.34	2.65	483.0000	28.33	2
3	10.477	1.219	0.0344	2.0000	0.260	1.34	2.65	32.0000	28.33	2
4	26.334	1.219	0.1018	0.8000	0.260	1.34	2.65	12.0000	29.44	2
5	13.592	1.219	0.0640	0.8000	0.260	1.34	2.65	5.0000	28.33	2
6	13.592	1.219	0.0625	1.1000	0.260	1.34	2.65	6.0000	29.44	2
7	9.344	1.219	0.0585	0.9000	0.260	1.34	2.65	11.0000	27.22	2
8	9.344	1.219	0.0604	0.7500	0.260	1.34	2.65	3.0000	27.78	2
9	9.344	1.219	0.0607	0.7500	0.260	1.34	2.65	2.0000	30.56	2
10	11.326	1.219	0.0649	0.9000	0.260	1.34	2.65	2.0000	28.33	2
11	11.326	1.219	0.0549	1.0500	0.260	1.34	2.65	5.0000	28.33	2
12	16.990	1.219	0.0704	0.9000	0.260	1.34	2.65	5.0000	28.33	2
13	17.273	1.219	0.0750	0.8000	0.260	1.34	2.65	16.0000	27.78	2
14	21.237	1.219	0.0856	0.8000	0.260	1.34	2.65	28.0000	28.33	2
15	21.237	1.219	0.0853	1.1500	0.260	1.34	2.65	53.0000	27.78	2
16	21.237	1.219	0.0850	0.9000	0.260	1.34	2.65	13.0000	30.00	2
17	14.158	1.219	0.0616	0.9500	0.260	1.34	2.65	37.0000	28.89	2
18	16.990	1.219	0.0527	3.8000	0.260	1.34	2.65	835.0000	27.78	2
19	16.990	1.219	0.0323	7.0000	0.260	1.34	2.65	6250.0000	27.78	5
20	17.556	1.219	0.0183	6.6000	0.260	1.34	2.65	2260.0000	28.89	5
21	17.556	1.219	0.0472	3.8000	0.260	1.34	2.65	1184.0000	28.89	2
22	14.158	1.219	0.0524	4.8000	0.260	1.34	2.65	501.0000	26.11	2
23	14.158	1.219	0.0344	7.0500	0.260	1.34	2.65	5987.9883	25.56	5
24	12.742	1.219	0.0165	6.4000	0.260	1.34	2.65	555.0000	25.56	2
25	12.742	1.219	0.0216	5.3000	0.260	1.34	2.65	1850.0000	25.56	2
26	11.326	1.219	0.0323	5.7000	0.260	1.34	2.65	2127.0000	25.56	2
27	11.326	1.219	0.0134	6.8000	0.260	1.34	2.65	2855.9958	26.11	5
28	14.158	1.219	0.0402	7.5000	0.260	1.34	2.65	10630.0000	25.56	5

NEI - DATA OF NEILL, C.R. (1967)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	28.084	0.890	0.0518	4.5000	6.187	1.13	2.54	0.0	20.00	1
2	34.526	0.890	0.0579	5.5000	6.187	1.13	2.54	0.0	20.00	1
3	54.350	0.890	0.0853	4.3000	6.187	1.13	2.54	0.0	20.00	1
4	58.685	0.890	0.0884	3.7000	6.187	1.13	2.54	0.0	20.00	1
5	64.054	0.890	0.1006	4.0000	6.187	1.13	2.54	0.0	20.00	1
6	77.911	0.890	0.1173	3.7000	6.187	1.13	2.54	0.0	20.00	1
7	90.857	0.890	0.1341	2.4000	6.187	1.13	2.54	0.0	20.00	1
8	105.064	0.890	0.1463	2.4000	6.187	1.13	2.54	0.0	20.00	1
9	102.586	0.890	0.1646	2.0000	6.187	1.13	2.54	0.0	20.00	1
10	18.170	0.890	0.0305	17.0000	8.473	1.12	2.52	0.0	20.00	1
11	37.168	0.890	0.0610	8.5000	8.473	1.12	2.52	0.0	20.00	1
12	80.947	0.890	0.1219	6.6000	8.473	1.12	2.52	0.0	20.00	1
13	121.419	0.890	0.1829	4.1000	8.473	1.12	2.52	0.0	20.00	1
14	29.735	0.890	0.0366	27.0000	19.995	1.15	2.52	0.0	20.00	1
15	47.039	0.890	0.0518	19.7000	19.995	1.15	2.52	0.0	20.00	1
16	52.863	0.890	0.0610	14.6000	19.995	1.15	2.52	0.0	20.00	1
17	80.245	0.890	0.0884	11.6000	19.995	1.15	2.52	0.0	20.00	1
18	108.493	0.890	0.1128	10.7000	19.995	1.15	2.52	0.0	20.00	1
19	132.816	0.890	0.1463	7.5000	19.995	1.15	2.52	0.0	20.00	1
20	174.200	0.890	0.1737	7.5000	19.995	1.15	2.52	0.0	20.00	1
21	31.915	0.890	0.0640	3.3000	4.999	1.00	2.49	0.0	20.00	1
22	51.541	0.890	0.0975	3.1000	4.999	1.00	2.49	0.0	20.00	1
23	63.261	0.890	0.1128	2.8000	4.999	1.00	2.49	0.0	20.00	1
24	68.556	0.890	0.1265	2.8000	4.999	1.00	2.49	0.0	20.00	1
25	75.825	0.890	0.1372	2.4000	4.999	1.00	2.49	0.0	20.00	1
26	98.208	0.890	0.1768	1.8000	4.999	1.00	2.49	0.0	20.00	1
27	58.007	0.914	0.1450	1.5100	20.201	1.10	1.36	0.0	18.00	1
28	25.003	0.914	0.6100	4.0000	20.201	1.10	1.36	0.0	18.00	1
29	76.009	0.914	0.1700	1.4700	20.201	1.10	1.36	0.0	18.00	1
30	58.007	0.914	0.1440	1.8000	20.201	1.10	1.36	0.0	18.00	1
31	89.011	0.914	0.1440	3.2000	20.201	1.10	1.36	0.0	18.00	1
32	44.005	0.914	0.1440	9.0000	12.551	1.10	1.40	0.0	18.00	1
33	72.009	0.914	0.1440	2.1200	12.551	1.10	1.40	0.0	18.00	1
34	25.003	0.914	0.1440	3.0000	6.590	1.10	1.40	0.0	18.00	1
35	57.007	0.914	0.1440	1.3700	6.590	1.10	1.40	0.0	18.00	1
36	19.002	0.914	0.1460	1.8000	3.450	1.12	1.41	0.0	18.00	1
37	40.005	0.914	0.1460	6.5000	3.450	1.12	1.41	0.0	18.00	1
38	23.003	0.914	0.1440	2.4000	3.450	1.12	1.41	0.0	18.00	1
39	28.003	0.914	0.1440	3.7000	3.450	1.12	1.41	0.0	18.00	1
40	40.005	0.914	0.1440	6.5000	16.001	1.83	1.40	0.0	18.00	1
41	82.010	0.914	0.1440	2.7000	16.001	1.83	1.40	0.0	18.00	1
42	52.006	0.914	0.1440	1.2000	16.001	2.27	1.40	0.0	18.00	1
43	76.009	0.914	0.1440	2.3000	16.001	2.27	1.40	0.0	18.00	1
44	19.002	0.914	0.1440	1.8000	13.001	2.76	1.40	0.0	18.00	1
45	71.008	0.914	0.1440	2.0000	13.001	2.76	1.40	0.0	18.00	1
46	25.003	0.914	0.1440	3.0000	13.001	2.48	1.40	0.0	18.00	1
47	71.008	0.914	0.1440	2.0000	13.001	2.48	1.40	0.0	18.00	1
48	66.008	0.914	0.1440	1.8000	6.000	1.00	2.59	0.0	18.00	1
49	89.011	0.914	0.1440	3.2000	6.000	1.00	2.59	0.0	18.00	1
50	82.010	0.914	0.1440	2.8000	9.000	1.00	2.52	0.0	18.00	1
51	99.012	0.914	0.1440	4.1000	9.000	1.00	2.52	0.0	18.00	1

NOM - DATA OF NOMICOS (1957)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	8.665	0.267	0.0866	2.5000	0.091	1.16	2.65	3640.0000	25.00	2
2	8.665	0.267	0.0866	2.4500	0.091	1.16	2.65	3380.0000	25.00	2
3	12.261	0.267	0.0744	2.0000	0.091	1.16	2.65	4600.0000	25.00	2
4	14.413	0.267	0.0783	2.0600	0.091	1.16	2.65	6920.0000	25.00	5
5	14.413	0.267	0.0777	2.0600	0.091	1.16	2.65	8080.0000	25.00	5
6	14.413	0.267	0.0777	2.5800	0.148	1.16	2.65	3610.0000	25.00	5
7	12.317	0.267	0.0735	2.1000	0.145	1.30	2.65	1850.0000	25.00	5
8	7.617	0.267	0.0738	2.7000	0.145	1.30	2.65	1200.0000	25.00	2
9	5.465	0.267	0.0735	2.1000	0.145	1.30	2.65	230.0000	25.00	2
10	12.346	0.267	0.0710	2.5000	0.137	1.38	2.65	2300.0000	24.30	5
11	10.958	0.267	0.0680	2.2500	0.137	1.38	2.65	3300.0000	24.00	5
12	8.297	0.267	0.0722	2.7500	0.137	1.38	2.65	2000.0000	24.10	6
13	4.814	0.267	0.0735	2.0000	0.152	1.76	2.65	300.0000	26.00	2
14	5.097	0.267	0.0735	2.1000	0.152	1.76	2.65	590.0000	25.60	2
15	5.465	0.267	0.0735	2.4000	0.152	1.76	2.65	820.0000	25.50	2
16	5.861	0.267	0.0735	2.6000	0.152	1.76	2.65	1150.0000	25.00	2
17	6.201	0.267	0.0735	2.7500	0.152	1.76	2.65	1800.0000	25.00	2
18	7.164	0.267	0.0735	2.7000	0.152	1.76	2.65	2500.0000	25.00	2
19	8.268	0.267	0.0735	2.4000	0.152	1.76	2.65	3400.0000	25.00	2
20	9.259	0.267	0.0735	2.2500	0.152	1.76	2.65	2900.0000	25.00	6
21	10.137	0.267	0.0735	2.1000	0.152	1.76	2.65	3300.0000	25.00	6
22	10.958	0.267	0.0735	2.0000	0.152	1.76	2.65	3200.0000	25.00	5
23	12.317	0.267	0.0735	2.2500	0.152	1.76	2.65	3400.0000	25.00	5
24	15.885	0.267	0.0735	3.9000	0.152	1.76	2.65	5600.0000	25.00	5
25	12.317	0.267	0.0732	2.4000	0.145	1.30	2.65	3240.0000	15.30	5
26	12.317	0.267	0.0735	2.3000	0.145	1.30	2.65	2140.0000	25.00	5
27	12.317	0.267	0.0738	2.2000	0.145	1.30	2.65	1660.0000	38.00	5
28	5.465	0.267	0.0738	2.3500	0.145	1.30	2.65	310.0000	15.00	2
29	5.465	0.267	0.0735	2.1000	0.145	1.30	2.65	220.0000	25.00	2
30	5.465	0.267	0.0732	1.9000	0.145	1.30	2.65	110.0000	35.60	2

NOR - DATA OF NORDIN,C.F.,JR. (1976)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1321.971	2.380	0.8530	0.6300	0.250	1.44	2.65	285.0000	20.10	2
2	1350.970	2.380	0.7380	0.7800	0.250	1.44	2.65	808.0000	19.40	3
3	812.982	2.380	0.5460	0.9700	0.250	1.44	2.65	698.0000	16.70	3
4	1987.957	2.380	0.8200	0.7900	0.250	1.44	2.65	1449.9988	21.70	3
5	2001.957	2.380	0.8320	0.7100	0.250	1.44	2.65	698.0000	10.20	3
6	1942.958	2.380	0.7590	1.5700	0.250	1.44	2.65	1809.9988	22.30	4
7	1998.956	2.380	0.5460	1.5000	0.250	1.44	2.65	1399.9988	21.70	5
8	2043.955	2.380	0.4790	1.6500	0.250	1.44	2.65	2759.9978	20.20	5
9	1959.957	2.380	0.4570	1.6000	0.250	1.44	2.65	8869.9883	21.40	7
10	1378.970	2.380	0.3380	3.0500	0.250	1.44	2.65	8519.9883	22.60	7
11	1364.970	2.380	0.3110	4.4900	0.250	1.44	2.65	15699.9883	23.20	7
12	1370.969	2.380	0.3930	1.2000	0.250	1.44	2.65	1639.9988	24.80	5
13	843.982	2.380	0.2380	3.0000	0.250	1.44	2.65	5559.9922	22.80	7
14	1072.977	2.380	0.7190	0.5000	0.250	1.44	2.65	164.0000	23.70	3
15	280.994	2.380	0.3200	0.3200	0.250	1.44	2.65	0.8000	22.70	2
16	426.991	2.380	0.3200	0.4700	0.250	1.44	2.65	73.0000	21.70	2
17	556.988	2.380	0.3080	1.1100	0.250	1.44	2.65	996.0000	20.60	3
18	699.985	2.380	0.3260	0.8900	0.250	1.44	2.65	873.0000	21.30	4
19	813.982	2.380	0.3350	0.9300	0.250	1.44	2.65	1030.0000	21.70	4
20	1018.977	2.380	0.3290	1.2200	0.250	1.44	2.65	1719.9988	21.80	5
21	1148.974	2.380	0.3170	1.8900	0.250	1.44	2.65	3839.9978	21.20	5
22	1272.972	2.380	0.3110	2.6600	0.250	1.44	2.65	6729.9922	21.80	7
23	1564.966	2.380	0.3260	4.2700	0.250	1.44	2.65	17199.9883	21.70	7
24	1011.977	2.380	0.3290	1.2300	0.250	1.44	2.65	2039.9988	20.90	5
25	497.989	2.380	0.3290	1.2000	0.250	1.44	2.65	639.0000	20.40	3
26	843.982	2.380	0.6130	0.2900	0.250	1.44	2.65	54.5000	21.30	2
27	1022.977	2.380	0.6160	0.6800	0.250	1.44	2.65	435.0000	21.20	3
28	1192.974	2.380	0.6130	0.9300	0.250	1.44	2.65	765.0000	21.30	3
29	1343.970	2.380	0.6310	0.8300	0.250	1.44	2.65	872.0000	20.90	3
30	1532.967	2.380	0.6370	0.8900	0.250	1.44	2.65	1080.0000	21.30	4
31	1710.962	2.380	0.6190	0.7700	0.250	1.44	2.65	1100.0000	21.60	4
32	1890.959	2.380	0.6370	0.7000	0.250	1.44	2.65	1210.0000	22.00	4
33	2055.955	2.380	0.6220	0.8200	0.250	1.44	2.65	1749.9988	22.20	4
34	2213.952	2.380	0.5970	0.8600	0.250	1.44	2.65	1339.9988	22.40	5
35	1515.967	2.380	0.6550	0.8600	0.250	1.44	2.65	1080.0000	20.90	3
36	1029.977	2.380	0.6190	0.5100	0.250	1.44	2.65	258.0000	21.60	3
37	1024.978	2.380	0.8260	0.1400	0.250	1.44	2.65	17.8000	21.10	2
38	1292.971	2.380	0.8470	0.2000	0.250	1.44	2.65	56.6000	21.20	3
39	1533.966	2.380	0.8600	0.5200	0.250	1.44	2.65	356.0000	21.10	3
40	1806.960	2.380	0.8350	0.6300	0.250	1.44	2.65	736.0000	21.40	3
41	2089.954	2.380	0.8170	0.8300	0.250	1.44	2.65	831.0000	20.90	3
42	1531.966	2.380	0.8530	0.5500	0.250	1.44	2.65	380.0000	21.00	3
43	481.989	2.380	0.3290	1.0200	0.250	1.44	2.65	351.0000	20.80	3
44	2075.954	2.380	0.5270	1.7900	0.250	1.44	2.65	1799.9988	21.00	5
45	1377.969	2.380	0.5850	1.0600	0.250	1.44	2.65	778.0000	20.90	3
46	730.984	2.380	0.3350	1.2200	0.250	1.44	2.65	827.0000	20.70	4
47	345.992	2.380	0.2560	1.5600	1.140	1.53	2.65	152.0000	17.40	3
48	372.992	2.380	0.2990	0.7400	1.140	1.53	2.65	33.0000	20.10	3
49	378.992	2.380	0.2870	0.9900	1.140	1.53	2.65	65.5000	19.80	3
50	461.990	2.380	0.3090	1.7300	1.140	1.53	2.65	165.0000	20.30	3
51	463.990	2.380	0.3110	1.6700	1.140	1.53	2.65	169.0000	20.00	3
52	564.988	2.380	0.3140	2.6100	1.140	1.53	2.65	307.0000	19.80	3
53	565.988	2.380	0.3190	2.5200	1.140	1.53	2.65	325.0000	18.30	3
54	1136.975	2.380	0.3590	5.7700	1.140	1.53	2.65	2349.9988	19.90	3
55	705.984	2.380	0.3150	4.7100	1.140	1.53	2.65	1090.0000	18.20	3

NOR - DATA OF NORDIN,C.F.,JR. (1976)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	832.982	2.380	0.3010	5.5400	1.140	1.53	2.65	1479.9988	21.00	3
57	1355.970	2.380	0.3090	5.2000	1.140	1.53	2.65	2919.9978	21.50	4
58	743.983	2.380	0.6070	0.3900	1.140	1.53	2.65	2.9000	22.30	3
59	919.980	2.380	0.6190	0.6800	1.140	1.53	2.65	26.9000	21.60	3
60	1135.975	2.380	0.6120	1.1300	1.140	1.53	2.65	64.3000	21.20	3
61	1351.970	2.380	0.6150	1.7600	1.140	1.53	2.65	181.0000	25.60	3
62	1605.965	2.380	0.6300	2.5400	1.140	1.53	2.65	412.0000	24.00	3

OBR - DATA OF OBRIEN, M.P. (1936)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. FPM	TEMP. DEG. C	BF
1	19.595	0.914	0.0893	1.1500	0.360	1.51	2.57	20.1000	-1.00	0
2	18.972	0.914	0.0920	1.4900	0.360	1.51	2.57	34.1000	-1.00	0
3	24.833	0.914	0.0963	2.0200	0.360	1.51	2.57	87.7000	-1.00	0
4	24.578	0.914	0.0914	0.8300	0.360	1.51	2.57	78.6000	18.90	0
5	24.550	0.914	0.0997	1.5100	0.360	1.51	2.57	78.1000	-1.00	0
6	31.431	0.914	0.1027	1.7600	0.360	1.51	2.57	255.1000	-1.00	0
7	31.431	0.914	0.0966	0.6300	0.360	1.51	2.57	340.5000	19.40	0
8	31.431	0.914	0.1027	1.8600	0.360	1.51	2.57	205.8000	-1.00	0
9	37.094	0.914	0.1073	1.6900	0.360	1.51	2.57	385.3999	-1.00	0
10	37.943	0.914	0.1103	2.6100	0.360	1.51	2.57	336.8999	17.80	0
11	38.227	0.914	0.1116	2.3000	0.360	1.51	2.57	158.3000	-1.00	0
12	43.040	0.914	0.1170	1.5800	0.360	1.51	2.57	263.5999	-1.00	0
13	40.775	0.914	0.1109	1.5200	0.360	1.51	2.57	385.8999	-1.00	0
14	43.040	0.914	0.1097	2.2700	0.360	1.51	2.57	502.5999	-1.00	0
15	57.481	0.914	0.1152	3.0800	0.360	1.51	2.57	1039.5999	17.20	0
16	57.481	0.914	0.1161	2.3000	0.360	1.51	2.57	1039.5999	-1.00	0
17	42.474	0.914	0.1173	2.6300	0.360	1.51	2.57	213.7000	18.30	0
18	42.474	0.914	0.1091	1.1400	0.360	1.51	2.57	270.7000	-1.00	0
19	42.474	0.914	0.1030	1.3100	0.360	1.51	2.57	504.8999	-1.00	0
20	42.474	0.914	0.1073	0.9200	0.360	1.51	2.57	447.0000	-1.00	0
21	37.660	0.914	0.0972	1.5500	0.360	1.51	2.57	510.2000	17.80	0
22	31.148	0.914	0.0966	1.6500	0.360	1.51	2.57	290.2000	17.20	0
23	31.148	0.914	0.1052	1.1500	0.360	1.51	2.57	290.2000	-1.00	0
24	31.431	0.914	0.1143	3.2300	0.360	1.51	2.57	287.5999	-1.00	0
25	26.617	0.914	0.0899	1.3800	0.360	1.51	2.57	183.3000	15.00	0
26	26.617	0.914	0.0893	1.4600	0.360	1.51	2.57	180.5000	-1.00	0
27	26.617	0.914	0.0884	2.1500	0.360	1.51	2.57	163.4000	-1.00	0
28	23.361	0.914	0.0936	1.6900	0.360	1.51	2.57	48.6000	15.00	0
29	23.361	0.914	0.0933	1.4600	0.360	1.51	2.57	105.4000	-1.00	0
30	23.361	0.914	0.0933	2.0800	0.360	1.51	2.57	96.7000	-1.00	0
31	19.113	0.914	0.0975	0.5700	0.360	1.51	2.57	17.0000	-1.00	0
32	19.113	0.914	0.0963	0.6900	0.360	1.51	2.57	21.4000	11.60	0
33	19.113	0.914	0.0954	0.9400	0.360	1.51	2.57	40.5000	-1.00	0
34	101.371	0.914	0.3078	0.8600	0.360	1.51	2.57	1.9000	-1.00	0
35	99.389	0.914	0.3127	0.8900	0.360	1.51	2.57	1.9000	-1.00	0
36	99.389	0.914	0.3127	0.8600	0.360	1.51	2.57	1.9000	-1.00	0
37	126.289	0.914	0.3188	0.8700	0.360	1.51	2.57	30.5000	-1.00	0
38	126.289	0.914	0.3082	1.1400	0.360	1.51	2.57	30.5000	12.50	0
39	124.874	0.914	0.3097	1.0700	0.360	1.51	2.57	40.3000	-1.00	0
40	112.414	0.914	0.3167	0.5500	0.360	1.51	2.57	4.0000	11.10	0
41	112.414	0.914	0.3194	0.5000	0.360	1.51	2.57	10.3000	-1.00	0
42	112.414	0.914	0.3173	0.5000	0.360	1.51	2.57	10.3000	-1.00	0
43	112.414	0.914	0.3255	0.2900	0.360	1.51	2.57	14.7000	-1.00	0
44	111.565	0.914	0.3173	0.7500	0.360	1.51	2.57	14.8000	-1.00	0
45	110.999	0.914	0.3185	0.4600	0.360	1.51	2.57	14.9000	-1.00	0
46	110.432	0.914	0.3237	0.5500	0.360	1.51	2.57	14.9000	-1.00	0
47	152.623	0.914	0.3191	0.6700	0.360	1.51	2.57	64.7000	11.10	0
48	151.491	0.914	0.3161	0.3100	0.360	1.51	2.57	65.2000	-1.00	0
49	150.075	0.914	0.3173	0.5700	0.360	1.51	2.57	65.8000	-1.00	0
50	150.075	0.914	0.3161	0.4700	0.360	1.51	2.57	66.5000	-1.00	0
51	150.075	0.914	0.3170	0.9400	0.360	1.51	2.57	65.8000	-1.00	0
52	140.730	0.914	0.3173	0.7500	0.360	1.51	2.57	69.9000	11.40	0
53	139.881	0.914	0.3200	0.7900	0.360	1.51	2.57	41.9000	-1.00	0
54	139.881	0.914	0.3182	0.4700	0.360	1.51	2.57	41.9000	-1.00	0
55	139.032	0.914	0.3146	0.8100	0.360	1.51	2.57	42.2000	-1.00	0

OBR - DATA OF OBRIEN, M.P. (1936)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	138.748	0.914	0.3155	0.6200	0.360	1.51	2.57	42.3000	-1.00	0
57	139.032	0.914	0.3121	0.5000	0.360	1.51	2.57	53.9000	-1.00	0
58	118.927	0.914	0.3167	0.6200	0.360	1.51	2.57	13.3000	11.70	0
59	118.927	0.914	0.3231	0.6600	0.360	1.51	2.57	18.0000	-1.00	0
60	118.927	0.914	0.3179	0.7900	0.360	1.51	2.57	18.0000	-1.00	0
61	116.662	0.914	0.3179	0.6600	0.360	1.51	2.57	18.3000	-1.00	0
62	118.927	0.914	0.3158	0.5400	0.360	1.51	2.57	18.0000	-1.00	0
63	118.927	0.914	0.3213	0.5700	0.360	1.51	2.57	18.0000	-1.00	0
64	116.662	0.914	0.3197	0.5000	0.360	1.51	2.57	25.2000	-1.00	0
65	102.504	0.914	0.3271	0.3300	0.360	1.51	2.57	4.8000	11.70	0
66	103.353	0.914	0.3170	0.4700	0.360	1.51	2.57	6.7000	-1.00	0
67	102.504	0.914	0.3231	0.4400	0.360	1.51	2.57	6.8000	-1.00	0
68	102.504	0.914	0.3210	0.4300	0.360	1.51	2.57	6.8000	-1.00	0
69	102.504	0.914	0.3158	0.5700	0.360	1.51	2.57	6.8000	-1.00	0
70	102.504	0.914	0.3170	0.4300	0.360	1.51	2.57	7.5000	-1.00	0
71	102.504	0.914	0.3191	0.2900	0.360	1.51	2.57	7.5000	-1.00	0
72	107.034	0.914	0.1582	1.6700	0.360	1.51	2.57	886.8999	10.00	0
73	105.335	0.914	0.1582	2.0000	0.360	1.51	2.57	901.2000	-1.00	0
74	85.797	0.914	0.1606	1.5000	0.360	1.51	2.57	423.5999	9.40	0
75	84.665	0.914	0.1637	2.7300	0.360	1.51	2.57	527.0999	-1.00	0
76	84.665	0.914	0.1615	0.7900	0.360	1.51	2.57	518.2000	-1.00	0
77	61.446	0.914	0.1561	1.3400	0.360	1.51	2.57	164.3000	8.90	0
78	61.446	0.914	0.1606	1.3400	0.360	1.51	2.57	164.3000	-1.00	0
79	61.163	0.914	0.1652	1.8900	0.360	1.51	2.57	165.1000	-1.00	0
80	60.879	0.914	0.1615	1.1400	0.360	1.51	2.57	165.9000	-1.00	0
81	60.879	0.914	0.1622	1.8200	0.360	1.51	2.57	146.0000	-1.00	0
82	119.210	0.914	0.1433	2.1900	0.360	1.51	2.57	1332.5000	8.90	0
83	119.493	0.914	0.1372	2.8100	0.360	1.51	2.57	1329.2998	-1.00	0

OJK - DATA OF ONISHI, JAIN AND KENNEDY (1972)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	34.434	0.914	0.1021	1.5400	0.250	1.41	2.65	67.1800	28.50	3
2	45.691	0.914	0.1009	1.9350	0.250	1.41	2.65	744.5269	20.00	3
3	51.540	0.914	0.0963	1.6540	0.250	1.41	2.65	1063.9919	21.80	4
4	51.540	0.914	0.0963	1.6540	0.250	1.41	2.65	3355.6670	21.80	4
5	39.582	0.914	0.1076	1.6300	0.250	1.41	2.65	195.6070	25.50	3
6	39.406	0.914	0.1003	1.8400	0.250	1.41	2.65	485.1580	21.00	3
7	30.166	0.914	0.0814	2.5400	0.250	1.41	2.65	313.0530	21.00	3
8	30.134	0.914	0.0750	2.5600	0.250	1.41	2.65	523.8169	21.00	3
9	27.123	0.914	0.0771	2.6700	0.250	1.41	2.65	313.5608	21.00	3
10	24.122	0.914	0.0756	2.5600	0.250	1.41	2.65	282.0549	24.00	3
11	53.273	0.914	0.1225	1.4650	0.250	1.41	2.65	406.1328	24.00	3
12	50.115	0.914	0.1332	1.2200	0.250	1.41	2.65	98.2910	26.00	3
13	39.320	0.914	0.1271	1.0900	0.250	1.41	2.65	66.7910	25.00	3
14	65.250	0.914	0.1353	1.5600	0.250	1.41	2.65	688.1868	25.00	3

PAI - DATA OF PAINTAL, A.S. (1971)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	70.790	0.914	0.0960	8.4600	22.200	1.07	2.65	0.0710	-1.00	0
2	84.948	0.914	0.1052	8.8000	22.200	1.07	2.65	0.0740	-1.00	0
3	99.106	0.914	0.1143	8.7400	22.200	1.07	2.65	0.0390	-1.00	0
4	110.432	0.914	0.1250	8.8200	22.200	1.07	2.65	0.0290	-1.00	0
5	130.254	0.914	0.1320	8.9100	22.200	1.07	2.65	0.0120	-1.00	0
6	141.580	0.914	0.1466	8.7500	22.200	1.07	2.65	0.0580	-1.00	0
7	155.738	0.914	0.1494	8.6700	22.200	1.07	2.65	0.1550	-1.00	0
8	169.896	0.914	0.1585	9.1010	22.200	1.07	2.65	0.1710	-1.00	0
9	184.054	0.914	0.1631	9.1400	22.200	1.07	2.65	0.3960	-1.00	0
10	198.212	0.914	0.1707	9.1500	22.200	1.07	2.65	0.3740	-1.00	0
11	215.202	0.914	0.1829	9.0500	22.200	1.07	2.65	0.6320	-1.00	0
12	226.528	0.914	0.1865	9.1200	22.200	1.07	2.65	0.7060	-1.00	0
13	254.844	0.914	0.2027	9.1200	22.200	1.07	2.65	1.5720	-1.00	0
14	133.085	0.914	0.1433	10.3000	22.200	1.57	2.65	0.8800	-1.00	0
15	127.422	0.914	0.1433	8.6000	22.200	1.57	2.65	1.0090	-1.00	0
16	155.738	0.914	0.1585	8.6000	22.200	1.57	2.65	1.2140	-1.00	0
17	184.054	0.914	0.1646	9.2500	22.200	1.57	2.65	1.1440	-1.00	0
18	215.202	0.914	0.1844	9.1000	22.200	1.57	2.65	2.1600	-1.00	0
19	240.686	0.914	0.1996	9.1000	22.200	1.57	2.65	3.5330	-1.00	0
20	130.254	0.914	0.1433	8.8000	22.200	1.57	2.65	1.6830	-1.00	0
21	184.054	0.914	0.1753	9.4300	22.200	1.57	2.65	8.9950	-1.00	0
22	240.686	0.914	0.1920	9.5000	22.200	1.57	2.65	25.1270	-1.00	0
23	107.601	0.914	0.1387	7.9000	22.200	2.73	2.65	1.7910	-1.00	0
24	134.784	0.914	0.1570	8.8500	22.200	2.73	2.65	1.6830	-1.00	0
25	158.570	0.914	0.1753	8.7800	22.200	2.73	2.65	4.7670	-1.00	0
26	189.717	0.914	0.1859	8.3300	22.200	2.73	2.65	1.9520	-1.00	0
27	218.033	0.914	0.2012	8.5600	22.200	2.73	2.65	6.7610	-1.00	0
28	232.191	0.914	0.2134	8.2500	22.200	2.73	2.65	21.3250	-1.00	0
29	101.938	0.914	0.1311	0.4900	22.200	2.73	2.65	6.3040	-1.00	0
30	130.254	0.914	0.1554	9.0000	22.200	2.73	2.65	10.4470	-1.00	0
31	155.738	0.914	0.1707	9.4100	22.200	2.73	2.65	12.3780	-1.00	0
32	215.202	0.914	0.1890	10.0000	22.200	2.73	2.65	35.1280	-1.00	0
33	56.632	0.914	0.0811	4.8700	7.950	1.10	2.65	0.1890	-1.00	0
34	26.051	0.914	0.0536	4.7000	7.950	1.10	2.65	0.0040	-1.00	0
35	56.632	0.914	0.0856	4.6800	7.950	1.10	2.65	0.0610	-1.00	0
36	36.811	0.914	0.0677	4.9000	7.950	1.10	2.65	0.0390	-1.00	0
37	70.790	0.914	0.0975	4.8000	7.950	1.10	2.65	0.5740	-1.00	0
38	26.051	0.914	0.0439	4.8700	7.950	1.10	2.65	0.0050	-1.00	0
39	42.474	0.914	0.0652	4.8000	7.950	1.10	2.65	0.0120	-1.00	0
40	73.622	0.914	0.1067	3.5200	7.950	1.10	2.65	0.1850	-1.00	0
41	84.948	0.914	0.1085	4.5300	7.950	1.10	2.65	0.2220	-1.00	0
42	46.721	0.914	0.0765	4.5300	7.950	1.10	2.65	0.0060	-1.00	0
43	60.879	0.914	0.0896	4.5500	7.950	1.10	2.65	0.0250	-1.00	0
44	79.285	0.914	0.1030	5.2000	7.950	1.10	2.65	1.6690	-1.00	0
45	90.611	0.914	0.1122	5.2000	7.950	1.10	2.65	5.0060	-1.00	0
46	101.938	0.914	0.1225	4.7000	7.950	1.10	2.65	1.5500	-1.00	0
47	90.611	0.914	0.1158	4.5000	7.950	1.10	2.65	0.2020	-1.00	0
48	31.148	0.914	0.0460	5.7200	7.950	1.10	2.65	0.0070	-1.00	0
49	101.938	0.914	0.1244	5.2900	7.950	1.10	2.65	16.0560	-1.00	0
50	118.927	0.914	0.1335	5.3500	7.950	1.10	2.65	15.8910	-1.00	0
51	29.732	0.914	0.0573	4.7800	7.950	1.10	2.65	0.0060	-1.00	0
52	26.051	0.914	0.0533	4.8700	7.950	1.10	2.65	0.0010	-1.00	0
53	76.453	0.914	0.0853	9.6000	7.950	1.10	2.65	98.8790	-1.00	0
54	87.780	0.914	0.0933	9.6000	7.950	1.10	2.65	353.0940	-1.00	0
55	77.869	0.914	0.0866	9.6000	7.950	1.10	2.65	61.5010	-1.00	0

PAI - DATA OF PAINTAL, A.S. (1971)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	24.352	0.914	0.0427	8.6000	7.950	1.10	2.65	0.0260	-1.00	0
57	25.484	0.914	0.0463	8.1000	7.950	1.10	2.65	0.0100	-1.00	0
58	28.316	0.914	0.0488	8.0300	7.950	1.10	2.65	0.0080	-1.00	0
59	28.316	0.914	0.0530	7.9000	7.950	1.10	2.65	0.0110	-1.00	0
60	14.158	0.914	0.0287	8.6000	7.950	1.10	2.65	0.0010	-1.00	0
61	27.750	0.914	0.0439	8.5800	7.950	1.10	2.65	0.0660	-1.00	0
62	42.474	0.914	0.0922	2.3200	7.950	1.10	2.65	0.0030	-1.00	0
63	36.811	0.914	0.0814	2.5100	7.950	1.10	2.65	0.0040	-1.00	0
64	28.316	0.914	0.0789	2.0700	7.950	1.10	2.65	0.0	-1.00	0
65	38.227	0.914	0.0866	2.2600	7.950	1.10	2.65	0.0010	-1.00	0
66	45.306	0.914	0.1006	2.7400	7.950	1.10	2.65	0.0050	-1.00	0
67	70.790	0.914	0.1198	1.8400	2.500	1.08	2.65	40.0460	-1.00	0
68	58.897	0.914	0.1091	1.3400	2.500	1.08	2.65	2.5030	-1.00	0
69	43.323	0.914	0.0954	1.3800	2.500	1.08	2.65	0.1920	-1.00	0
70	29.307	0.914	0.0826	1.1700	2.500	1.08	2.65	0.0320	-1.00	0
71	81.408	0.914	0.1222	1.6300	2.500	1.08	2.65	74.2880	-1.00	0
72	60.596	0.914	0.1006	1.4400	2.500	1.08	2.65	0.6860	-1.00	0
73	63.711	0.914	0.1122	1.9100	2.500	1.08	2.65	21.7140	-1.00	0
74	76.453	0.914	0.1219	2.1000	2.500	1.08	2.65	108.7670	-1.00	0
75	84.948	0.914	0.1292	2.0200	2.500	1.08	2.65	153.9550	-1.00	0
76	56.632	0.914	0.1018	1.7200	2.500	1.08	2.65	16.6860	-1.00	0
77	79.285	0.914	0.1228	2.0000	2.500	1.08	2.65	162.0910	-1.00	0
78	38.227	0.914	0.0823	1.5300	2.500	1.08	2.65	0.0920	-1.00	0
79	63.711	0.914	0.1134	1.5200	2.500	1.08	2.65	10.8870	-1.00	0
80	104.769	0.914	0.1582	1.5800	2.500	1.08	2.65	119.4160	-1.00	0
81	87.780	0.914	0.1481	1.4000	2.500	1.08	2.65	83.1060	-1.00	0
82	116.096	0.914	0.1673	1.6300	2.500	1.08	2.65	227.9040	-1.00	0
83	130.254	0.914	0.1783	2.0000	2.500	1.08	2.65	348.2258	-1.00	0
84	96.274	0.914	0.1481	1.8700	2.500	1.08	2.65	180.9920	-1.00	0
85	16.140	0.914	0.0421	1.4000	2.500	1.08	2.65	0.0020	-1.00	0
86	18.405	0.914	0.0497	1.4500	2.500	1.08	2.65	0.0100	-1.00	0
87	22.653	0.914	0.0570	1.5900	2.500	1.08	2.65	0.0140	-1.00	0
88	28.316	0.914	0.0701	1.8500	2.500	1.08	2.65	0.3870	-1.00	0
89	16.990	0.914	0.0421	1.6700	2.500	1.08	2.65	0.0020	-1.00	0
90	22.653	0.914	0.0607	1.8900	2.500	1.08	2.65	0.0100	-1.00	0
91	33.979	0.914	0.0671	1.5300	2.500	1.08	2.65	0.0200	-1.00	0
92	38.510	0.914	0.0832	1.6200	2.500	1.08	2.65	0.4630	-1.00	0
93	26.051	0.914	0.0671	1.8500	2.500	1.08	2.65	0.2660	-1.00	0
94	16.990	0.914	0.0460	2.1300	2.500	1.08	2.65	0.0120	-1.00	0
95	25.484	0.914	0.0576	2.1600	2.500	1.08	2.65	0.1450	-1.00	0
96	15.857	0.914	0.0393	2.0500	2.500	1.08	2.65	0.0020	-1.00	0

PRA - DATA OF PRATT, C.J. (1970)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	210.388	1.372	0.3048	0.5820	0.478	1.11	2.65	52.2000	26.00	2
2	75.321	1.372	0.3048	0.0287	0.478	1.11	2.65	0.0	16.00	1
3	89.762	1.372	0.3048	0.0406	0.478	1.11	2.65	0.0	23.00	1
4	100.522	1.372	0.3048	0.0524	0.478	1.11	2.65	0.0	22.50	1
5	111.565	1.372	0.3048	0.0612	0.478	1.11	2.65	0.0	22.00	1
6	118.502	1.372	0.3048	0.2687	0.478	1.11	2.65	0.7700	25.50	2
7	111.565	1.372	0.3048	0.2135	0.478	1.11	2.65	0.5060	28.00	2
8	103.637	1.372	0.3048	0.1790	0.478	1.11	2.65	0.2800	27.00	2
9	129.970	1.372	0.3048	0.2080	0.478	1.11	2.65	1.3700	27.00	2
10	141.297	1.372	0.3048	0.2120	0.478	1.11	2.65	2.9000	28.00	2
11	152.057	1.372	0.3048	0.2410	0.478	1.11	2.65	4.7200	27.00	2
12	164.799	1.372	0.3048	0.2815	0.478	1.11	2.65	15.2100	30.00	2
13	177.258	1.372	0.3048	0.3610	0.478	1.11	2.65	24.2000	28.00	2
14	239.553	1.372	0.3048	1.1200	0.478	1.11	2.65	209.0000	29.50	3
15	255.693	1.372	0.3048	1.6530	0.478	1.11	2.65	326.0000	32.00	3
16	267.586	1.372	0.3048	1.8750	0.478	1.11	2.65	377.0000	33.00	3
17	280.611	1.372	0.3048	1.9520	0.478	1.11	2.65	411.0000	30.50	3
18	293.070	1.372	0.3048	1.9560	0.478	1.11	2.65	560.0000	30.00	3
19	33.979	1.372	0.1524	0.0591	0.478	1.11	2.65	0.0	22.00	1
20	41.624	1.372	0.1524	0.0865	0.478	1.11	2.65	0.0	22.50	1
21	49.270	1.372	0.1524	0.1213	0.478	1.11	2.65	0.0	23.00	1
22	56.774	1.372	0.1524	0.5650	0.478	1.11	2.65	2.8900	23.00	2
23	52.951	1.372	0.1524	0.5060	0.478	1.11	2.65	1.5400	22.50	2
24	49.270	1.372	0.1524	0.4280	0.478	1.11	2.65	0.5820	23.00	2
25	45.306	1.372	0.1524	0.3530	0.478	1.11	2.65	0.2780	23.50	2
26	62.578	1.372	0.1524	0.6960	0.478	1.11	2.65	7.7200	20.50	2
27	68.100	1.372	0.1524	0.6030	0.478	1.11	2.65	11.6300	23.00	2
28	71.781	1.372	0.1524	0.6750	0.478	1.11	2.65	15.2700	22.00	2
29	75.604	1.372	0.1524	0.7340	0.478	1.11	2.65	19.6200	22.00	2
30	78.860	1.372	0.1524	0.8010	0.478	1.11	2.65	31.3800	21.50	2
31	84.240	1.372	0.1524	0.8400	0.478	1.11	2.65	45.2200	21.50	3
32	91.036	1.372	0.1524	1.1450	0.478	1.11	2.65	125.7000	22.50	3
33	95.000	1.372	0.1524	1.5430	0.478	1.11	2.65	180.8000	23.00	3
34	98.540	1.372	0.1524	1.8420	0.478	1.11	2.65	227.7000	21.00	3
35	102.079	1.372	0.1524	2.0900	0.478	1.11	2.65	311.5000	21.00	3
36	105.477	1.372	0.1524	2.1680	0.478	1.11	2.65	355.7998	21.00	3
37	109.300	1.372	0.1524	2.3120	0.478	1.11	2.65	427.3989	21.00	3
38	109.300	1.372	0.4572	0.0187	0.478	1.11	2.65	0.0	24.00	1
39	127.988	1.372	0.4572	0.0218	0.478	1.11	2.65	0.0	23.00	1
40	146.960	1.372	0.4572	0.0295	0.478	1.11	2.65	0.0	21.50	1
41	154.888	1.372	0.4572	0.1083	0.478	1.11	2.65	0.1200	20.00	2
42	162.534	1.372	0.4572	0.1300	0.478	1.11	2.65	0.2620	22.00	2
43	170.179	1.372	0.4572	0.1336	0.478	1.11	2.65	0.1460	20.00	2
44	177.400	1.372	0.4572	0.1322	0.478	1.11	2.65	0.3070	19.50	2
45	190.425	1.372	0.4572	0.1457	0.478	1.11	2.65	0.6320	19.50	2
46	210.671	1.372	0.4572	0.1888	0.478	1.11	2.65	1.7300	21.00	3
47	242.668	1.372	0.4572	0.2285	0.478	1.11	2.65	4.0700	25.50	3
48	278.346	1.372	0.4572	0.3595	0.478	1.11	2.65	13.7800	35.00	3
49	314.307	1.372	0.4572	0.4300	0.478	1.11	2.65	23.4500	32.50	3
50	354.516	1.372	0.4572	0.5830	0.478	1.11	2.65	61.8000	29.50	3
51	373.205	1.372	0.4572	0.6850	0.478	1.11	2.65	56.4500	29.50	3
52	15.121	1.372	0.0762	0.0991	0.478	1.11	2.65	0.0	17.00	1
53	18.887	1.372	0.0762	0.1475	0.478	1.11	2.65	0.0	17.00	1
54	22.709	1.372	0.0762	1.3800	0.478	1.11	2.65	3.2700	19.00	2
55	26.504	1.372	0.0762	1.4280	0.478	1.11	2.65	27.5000	17.50	2

PRA - DATA OF PRATT, C.J. (1970)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. FPM	TEMP. DEG. C	BF
56	30.553	1.372	0.0762	1.3670	0.478	1.11	2.65	65.2000	18.50	2
57	34.007	1.372	0.0762	1.4080	0.478	1.11	2.65	102.4000	18.50	3
58	37.745	1.372	0.0762	1.4920	0.478	1.11	2.65	134.5000	21.00	3
59	41.596	1.372	0.0762	1.9670	0.478	1.11	2.65	218.1000	23.00	3
60	45.391	1.372	0.0762	2.6700	0.478	1.11	2.65	395.7000	18.00	3

SAT - DATA OF SATO, S., KIKKAWA, H. AND ASHIDA (1958)
(SHEET 1 OF 5)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	42.998	0.780	0.2502	0.2400	1.038	1.00	2.65	0.0	11.96	0
2	59.999	0.780	0.2387	0.6000	1.038	1.00	2.65	25.6870	11.38	0
3	59.999	0.780	0.2140	1.0400	1.038	1.00	2.65	204.6620	11.38	0
4	49.998	0.780	0.2216	0.4000	1.038	1.00	2.65	11.6430	11.96	0
5	49.998	0.780	0.1929	0.4400	1.038	1.00	2.65	66.8770	11.96	0
6	69.997	0.780	0.2813	0.3600	1.038	1.00	2.65	9.7540	9.47	0
7	69.997	0.780	0.2393	0.5800	1.038	1.00	2.65	61.8330	9.47	0
8	79.998	0.780	0.3341	0.2200	1.038	1.00	2.65	2.6820	10.00	0
9	79.998	0.780	0.3106	0.4200	1.038	1.00	2.65	23.8590	10.00	0
10	79.998	0.780	0.2682	0.9000	1.038	1.00	2.65	174.0800	10.00	0
11	99.995	0.780	0.3499	0.4600	1.038	1.00	2.65	26.4310	9.47	0
12	99.995	0.780	0.2963	0.7200	1.038	1.00	2.65	72.4250	9.47	0
13	109.996	0.780	0.3706	0.3200	1.038	1.00	2.65	30.9450	10.00	0
14	109.996	0.780	0.3798	0.4600	1.038	1.00	2.65	48.4250	10.00	0
15	119.995	0.780	0.3780	0.4100	1.038	1.00	2.65	41.3790	17.28	0
16	119.995	0.780	0.3271	1.1000	1.038	1.00	2.65	211.3080	17.28	0
17	129.996	0.780	0.3530	0.5600	1.038	1.00	2.65	82.5980	5.29	0
18	139.994	0.780	0.3962	0.4200	1.038	1.00	2.65	45.1610	5.29	0
19	139.994	0.780	0.3755	0.4400	1.038	1.00	2.65	44.1070	5.29	0
20	139.994	0.780	0.3432	1.1600	1.038	1.00	2.65	127.3380	5.29	0
21	149.995	0.780	0.3892	0.3800	1.038	1.00	2.65	24.2170	5.29	0
22	149.995	0.780	0.3597	0.6800	1.038	1.00	2.65	117.9490	5.29	0
23	159.994	0.780	0.3728	1.3800	1.038	1.00	2.65	162.0400	5.50	0
24	169.995	0.780	0.4136	0.4800	1.038	1.00	2.65	40.2110	5.92	0
25	169.995	0.780	0.3740	0.8600	1.038	1.00	2.65	78.5730	5.92	0
26	179.993	0.780	0.4243	0.5400	1.038	1.00	2.65	63.6210	5.50	0
27	179.993	0.780	0.4179	0.9400	1.038	1.00	2.65	125.8290	5.50	0
28	189.995	0.780	0.4365	0.5600	1.038	1.00	2.65	63.3360	2.56	0
29	189.995	0.780	0.4133	0.9900	1.038	1.00	2.65	144.0710	2.56	0
30	199.993	0.780	0.4374	0.7600	1.038	1.00	2.65	116.4450	6.36	0
31	119.995	0.780	0.3487	0.4200	1.038	1.00	2.65	27.3710	7.03	0
32	129.996	0.780	0.3435	0.4900	1.038	1.00	2.65	33.0690	6.14	0
33	129.996	0.780	0.3234	0.9500	1.038	1.00	2.65	104.4060	6.14	0
34	129.996	0.780	0.3082	1.6300	1.038	1.00	2.65	402.0408	6.14	0
35	139.994	0.780	0.3688	0.4800	1.038	1.00	2.65	49.9370	9.73	0
36	139.994	0.780	0.3508	1.2200	1.038	1.00	2.65	182.1130	9.73	0
37	27.999	0.780	0.1137	1.1750	2.210	1.00	2.65	0.0	7.26	0
38	74.998	0.780	0.1728	1.2100	2.210	1.00	2.65	79.7320	7.97	0
39	74.998	0.780	0.1774	1.2150	2.210	1.00	2.65	77.3600	7.97	0
40	74.998	0.780	0.1777	1.2100	2.210	1.00	2.65	74.0200	7.97	0
41	99.995	0.780	0.2295	0.8850	2.210	1.00	2.65	49.9740	8.21	0
42	99.995	0.780	0.2268	0.9200	2.210	1.00	2.65	34.0780	8.21	0
43	99.995	0.780	0.2210	0.9350	2.210	1.00	2.65	23.6680	8.21	0
44	124.995	0.780	0.2374	1.2950	2.210	1.00	2.65	134.1910	8.46	0
45	124.995	0.780	0.2515	1.4300	2.210	1.00	2.65	143.9730	8.46	0
46	149.995	0.780	0.3112	1.1350	2.210	1.00	2.65	88.2380	8.70	0
47	149.995	0.780	0.3164	1.1500	2.210	1.00	2.65	107.0240	8.70	0
48	149.995	0.780	0.3237	1.0200	2.210	1.00	2.65	65.0660	8.70	0
49	174.993	0.780	0.3264	1.3200	2.210	1.00	2.65	105.4020	10.00	0
50	174.993	0.780	0.3185	1.3000	2.210	1.00	2.65	91.3240	10.00	0
51	174.993	0.780	0.3578	1.6500	2.210	1.00	2.65	136.8930	10.00	0
52	199.993	0.780	0.3670	1.1450	2.210	1.00	2.65	62.6710	8.70	0
53	199.993	0.780	0.3746	1.1150	2.210	1.00	2.65	79.8270	8.70	0
54	199.993	0.780	0.4017	1.2050	2.210	1.00	2.65	67.7940	8.70	0
55	224.993	0.780	0.3712	1.2350	2.210	1.00	2.65	116.8010	8.46	0

SAT - DATA OF SATO, S., KIKKAWA, H. AND ASHIDA (1958)
(SHEET 2 OF 5)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	249.991	0.780	0.4243	2.0500	2.210	1.00	2.65	147.8780	8.46	0
57	99.995	0.780	0.2185	0.8500	2.210	1.00	2.65	50.1220	6.80	0
58	99.995	0.780	0.2193	0.8600	2.210	1.00	2.65	55.9360	6.80	0
59	99.995	0.780	0.2274	0.7400	2.210	1.00	2.65	45.8300	6.80	0
60	124.995	0.780	0.2701	0.8300	2.210	1.00	2.65	35.8780	7.49	0
61	124.995	0.780	0.2761	0.7700	2.210	1.00	2.65	51.8030	7.49	0
62	124.995	0.780	0.2822	0.7200	2.210	1.00	2.65	55.0430	7.49	0
63	124.995	0.780	0.2466	1.0600	2.210	1.00	2.65	67.1800	7.03	0
64	124.995	0.780	0.2557	1.0200	2.210	1.00	2.65	94.7480	7.03	0
65	124.995	0.780	0.2612	1.0900	2.210	1.00	2.65	91.7570	7.03	0
66	199.993	0.780	0.3356	2.0850	2.210	1.00	2.65	202.3950	6.80	0
67	199.993	0.780	0.3648	1.6000	2.210	1.00	2.65	158.8850	6.80	0
68	49.998	0.780	0.1326	1.3350	2.210	1.00	2.65	20.3990	7.26	0
69	49.998	0.780	0.1244	1.2950	2.210	1.00	2.65	12.2830	7.26	0
70	49.998	0.780	0.1283	1.2800	2.210	1.00	2.65	23.3430	7.26	0
71	99.995	0.780	0.2463	0.6650	2.210	1.00	2.65	10.3400	6.36	0
72	299.988	0.780	0.4042	2.2000	2.210	1.00	2.65	312.0659	7.26	0
73	299.988	0.780	0.4743	2.6200	2.210	1.00	2.65	292.3999	7.26	0
74	299.988	0.780	0.4682	2.6500	2.210	1.00	2.65	267.7148	7.26	0
75	274.991	0.780	0.4441	2.1300	2.210	1.00	2.65	227.5530	6.58	0
76	274.991	0.780	0.4663	1.9700	2.210	1.00	2.65	256.2129	6.58	0
77	274.991	0.780	0.4212	2.2200	2.210	1.00	2.65	226.5590	6.58	0
78	324.988	0.780	0.4679	1.3900	2.210	1.00	2.65	226.7600	8.96	0
79	324.988	0.780	0.4679	2.7400	2.210	1.00	2.65	278.1438	8.96	0
80	324.988	0.780	0.4730	3.0300	2.210	1.00	2.65	426.4119	8.96	0
81	349.988	0.780	0.4862	1.6700	2.210	1.00	2.65	277.5398	11.38	0
82	349.988	0.780	0.5148	1.8000	2.210	1.00	2.65	291.7869	11.38	0
83	99.995	0.780	0.2201	1.0000	2.210	1.00	2.65	118.5600	18.81	0
84	99.995	0.780	0.2417	0.9000	2.210	1.00	2.65	31.0580	18.81	0
85	99.995	0.780	0.2499	0.6500	2.210	1.00	2.65	9.1150	18.81	0
86	99.995	0.780	0.2210	1.0300	2.210	1.00	2.65	73.5490	18.81	0
87	79.998	0.780	0.2219	0.8900	2.210	1.00	2.65	31.8000	18.03	0
88	79.998	0.780	0.2012	0.9700	2.210	1.00	2.65	15.4900	18.03	0
89	79.998	0.780	0.1899	1.1200	2.210	1.00	2.65	93.3410	18.03	0
90	79.998	0.780	0.2106	0.8200	2.210	1.00	2.65	9.0720	18.03	0
91	89.997	0.780	0.2411	0.7100	2.210	1.00	2.65	5.4710	20.43	0
92	89.997	0.780	0.2307	0.8100	2.210	1.00	2.65	14.4970	20.43	0
93	89.997	0.780	0.2201	0.9400	2.210	1.00	2.65	38.4540	20.43	0
94	89.997	0.780	0.2124	1.0800	2.210	1.00	2.65	75.3740	20.43	0
95	69.997	0.780	0.2128	0.7000	2.210	1.00	2.65	2.8320	18.81	0
96	69.997	0.780	0.2146	0.7500	2.210	1.00	2.65	5.3400	18.81	0
97	69.997	0.780	0.1954	0.9100	2.210	1.00	2.65	23.7120	18.81	0
98	69.997	0.780	0.1811	1.3200	2.210	1.00	2.65	47.5680	18.81	0
99	91.996	0.780	0.2563	0.6000	2.620	1.00	2.65	0.0	25.92	0
100	149.995	0.780	0.2944	1.0800	2.620	1.00	2.65	12.8030	30.26	0
101	149.995	0.780	0.2832	1.2000	2.620	1.00	2.65	48.8560	30.26	0
102	149.995	0.780	0.2783	1.4000	2.620	1.00	2.65	85.1840	30.26	0
103	149.995	0.780	0.2624	1.5400	2.620	1.00	2.65	117.1320	30.26	0
104	149.995	0.780	0.2612	1.6500	2.620	1.00	2.65	126.7560	30.26	0
105	99.995	0.780	0.2280	0.9800	2.620	1.00	2.65	4.2450	29.11	0
106	99.995	0.780	0.2219	1.2100	2.620	1.00	2.65	17.1290	29.11	0
107	99.995	0.780	0.2149	1.4600	2.620	1.00	2.65	60.1580	29.11	0
108	99.995	0.780	0.2060	1.5400	2.620	1.00	2.65	67.6340	29.11	0
109	99.995	0.780	0.1963	1.6500	2.620	1.00	2.65	63.5370	29.11	0
110	124.995	0.780	0.2874	1.0400	2.620	1.00	2.65	16.5440	29.11	0

SAT - DATA OF SATO, S., KIKKAWA, H. AND ASHIDA (1958)
(SHEET 3 OF 5)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	124.995	0.780	0.2725	0.9000	2.620	1.00	2.65	8.7960	29.11	0
112	124.995	0.780	0.2350	1.5500	2.620	1.00	2.65	36.3520	29.11	0
113	124.995	0.780	0.2112	2.0700	2.620	1.00	2.65	86.3010	29.11	0
114	124.995	0.780	0.2033	2.5200	2.620	1.00	2.65	87.7690	29.11	0
115	174.993	0.780	0.3487	1.1400	2.620	1.00	2.65	67.5120	29.11	0
116	174.993	0.780	0.3246	1.2900	2.620	1.00	2.65	49.2650	29.11	0
117	174.993	0.780	0.3179	1.3800	2.620	1.00	2.65	71.5340	29.11	0
118	174.993	0.780	0.2926	1.4600	2.620	1.00	2.65	95.4360	29.11	0
119	174.993	0.780	0.2923	2.0500	2.620	1.00	2.65	132.9600	29.11	0
120	199.993	0.780	0.4048	1.0300	2.620	1.00	2.65	27.5470	26.94	0
121	199.993	0.780	0.3853	1.0200	2.620	1.00	2.65	46.0330	26.94	0
122	199.993	0.780	0.3679	1.3000	2.620	1.00	2.65	62.4440	26.94	0
123	199.993	0.780	0.3362	1.6800	2.620	1.00	2.65	91.6140	26.94	0
124	224.993	0.780	0.3978	0.9600	2.620	1.00	2.65	37.0130	25.42	0
125	224.993	0.780	0.3828	1.0700	2.620	1.00	2.65	49.6900	25.42	0
126	224.993	0.780	0.3661	1.3400	2.620	1.00	2.65	72.8510	25.42	0
127	249.991	0.780	0.4234	0.9900	2.620	1.00	2.65	38.7680	25.42	0
128	249.991	0.780	0.4127	1.4200	2.620	1.00	2.65	56.6200	25.42	0
129	249.991	0.780	0.4093	1.8400	2.620	1.00	2.65	85.9890	25.42	0
130	274.991	0.780	0.4450	1.3500	2.620	1.00	2.65	71.5060	24.93	0
131	274.991	0.780	0.4471	1.5200	2.620	1.00	2.65	104.1080	24.93	0
132	274.991	0.780	0.4435	1.8200	2.620	1.00	2.65	139.5940	24.93	0
133	274.991	0.780	0.4398	2.5600	2.620	1.00	2.65	237.9360	24.93	0
134	299.988	0.780	0.4846	1.5100	2.620	1.00	2.65	144.0780	26.94	0
135	299.988	0.780	0.4670	1.8800	2.620	1.00	2.65	220.0900	26.94	0
136	299.988	0.780	0.4718	2.0600	2.620	1.00	2.65	159.2240	26.94	0
137	299.988	0.780	0.4721	2.4500	2.620	1.00	2.65	372.3328	26.94	0
138	324.988	0.780	0.5063	1.3500	2.620	1.00	2.65	107.4370	26.94	0
139	324.988	0.780	0.5127	1.2700	2.620	1.00	2.65	90.1900	24.93	0
140	324.988	0.780	0.4779	1.9800	2.620	1.00	2.65	159.0900	24.93	0
141	324.988	0.780	0.4718	2.3000	2.620	1.00	2.65	213.9050	24.93	0
142	224.993	0.780	0.4292	1.0100	2.620	1.00	2.65	62.4530	16.54	0
143	224.993	0.780	0.4072	1.6200	2.620	1.00	2.65	117.5500	16.54	0
144	224.993	0.780	0.3816	2.4300	2.620	1.00	2.65	139.1700	16.54	0
145	224.993	0.780	0.3610	2.9300	2.620	1.00	2.65	499.6829	16.54	0
146	249.991	0.780	0.4301	0.8400	2.620	1.00	2.65	61.6830	17.65	0
147	249.991	0.780	0.4142	1.9500	2.620	1.00	2.65	160.6040	17.65	0
148	249.991	0.780	0.3984	2.9400	2.620	1.00	2.65	315.6670	17.65	0
149	199.993	0.780	0.3807	1.1200	2.620	1.00	2.65	44.3750	17.28	0
150	199.993	0.780	0.3661	1.3600	2.620	1.00	2.65	57.0520	17.28	0
151	199.993	0.780	0.3447	1.6600	2.620	1.00	2.65	162.1740	17.28	0
152	199.993	0.780	0.3353	2.6800	2.620	1.00	2.65	267.6438	17.28	0
153	174.993	0.780	0.3481	1.0600	2.620	1.00	2.65	76.8770	12.26	0
154	174.993	0.780	0.3292	1.4800	2.620	1.00	2.65	121.5310	12.26	0
155	174.993	0.780	0.3197	1.9400	2.620	1.00	2.65	159.1080	12.26	0
156	199.993	0.780	0.4023	0.8200	2.620	1.00	2.65	36.8640	11.67	0
157	199.993	0.780	0.3923	1.0500	2.620	1.00	2.65	32.4630	11.67	0
158	199.993	0.780	0.3844	1.2100	2.620	1.00	2.65	58.6170	11.67	0
159	199.993	0.780	0.3749	1.5600	2.620	1.00	2.65	76.1630	11.67	0
160	199.993	0.780	0.3780	1.7800	2.620	1.00	2.65	175.0890	11.67	0
161	81.997	0.780	0.1807	1.4100	3.760	1.00	2.65	0.0	20.01	0
162	149.995	0.780	0.2877	1.3800	3.760	1.00	2.65	13.0420	20.01	0
163	149.995	0.780	0.2771	1.6000	3.760	1.00	2.65	35.0070	20.01	0
164	149.995	0.780	0.3054	1.2000	3.760	1.00	2.65	3.7090	20.01	0
165	199.993	0.780	0.3767	1.0800	3.760	1.00	2.65	14.6160	20.01	0

SAT - DATA OF SATO, S., KIKKAWA, H. AND ASHIDA (1958)
(SHEET 4 OF 5)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	199.993	0.780	0.3499	1.3300	3.760	1.00	2.65	41.1480	20.01	0
167	199.993	0.780	0.3292	1.6200	3.760	1.00	2.65	61.4920	20.01	0
168	199.993	0.780	0.3194	1.9700	3.760	1.00	2.65	114.2480	20.01	0
169	249.991	0.780	0.4033	1.3200	3.760	1.00	2.65	72.1710	20.43	0
170	249.991	0.780	0.3920	1.5600	3.760	1.00	2.65	95.3660	20.43	0
171	249.991	0.780	0.4054	1.5200	3.760	1.00	2.65	51.4880	21.71	0
172	249.991	0.780	0.3932	1.9500	3.760	1.00	2.65	76.3320	21.71	0
173	249.991	0.780	0.3871	2.1100	3.760	1.00	2.65	151.1210	21.71	0
174	249.991	0.780	0.3703	2.0700	3.760	1.00	2.65	124.9390	21.71	0
175	249.991	0.780	0.3767	2.2000	3.760	1.00	2.65	153.3810	21.71	0
176	299.988	0.780	0.4700	1.2400	3.760	1.00	2.65	40.4460	18.81	0
177	299.988	0.780	0.4624	1.4000	3.760	1.00	2.65	79.6380	18.81	0
178	299.988	0.780	0.4429	1.5200	3.760	1.00	2.65	115.0510	18.81	0
179	299.988	0.780	0.4295	1.7000	3.760	1.00	2.65	130.1610	18.81	0
180	299.988	0.780	0.3990	2.8400	3.760	1.00	2.65	162.7490	18.81	0
181	349.988	0.780	0.4703	1.6000	3.760	1.00	2.65	61.0000	21.71	0
182	349.988	0.780	0.4538	2.1200	3.760	1.00	2.65	152.6980	21.71	0
183	349.988	0.780	0.4410	2.4000	3.760	1.00	2.65	181.9620	21.71	0
184	349.988	0.780	0.4389	2.4400	3.760	1.00	2.65	200.1440	21.71	0
185	349.988	0.780	0.4258	2.4400	3.760	1.00	2.65	244.1430	21.71	0
186	399.986	0.780	0.5185	1.9400	3.760	1.00	2.65	187.7150	21.71	0
187	399.986	0.780	0.5047	2.5600	3.760	1.00	2.65	298.4189	21.71	0
188	324.988	0.780	0.4630	1.2800	3.760	1.00	2.65	71.1740	21.27	0
189	324.988	0.780	0.4273	1.6800	3.760	1.00	2.65	100.8610	21.27	0
190	324.988	0.780	0.4276	2.5100	3.760	1.00	2.65	111.5480	21.27	0
191	274.991	0.780	0.4414	1.3700	3.760	1.00	2.65	44.3950	22.14	0
192	274.991	0.780	0.4282	1.5900	3.760	1.00	2.65	80.5440	22.14	0
193	274.991	0.780	0.4292	1.6500	3.760	1.00	2.65	166.2280	22.14	0
194	274.991	0.780	0.4164	1.7200	3.760	1.00	2.65	118.1920	22.14	0
195	274.991	0.780	0.4093	1.6200	3.760	1.00	2.65	120.0220	22.14	0
196	224.993	0.780	0.3993	0.9000	3.760	1.00	2.65	7.4950	19.61	0
197	224.993	0.780	0.3767	1.0700	3.760	1.00	2.65	15.4580	19.61	0
198	224.993	0.780	0.3703	1.1700	3.760	1.00	2.65	37.3710	19.61	0
199	224.993	0.780	0.3487	1.1800	3.760	1.00	2.65	61.3220	19.61	0
200	224.993	0.780	0.3405	1.5900	3.760	1.00	2.65	51.5870	19.61	0
201	174.993	0.780	0.3335	0.9500	3.760	1.00	2.65	6.1670	21.71	0
202	174.993	0.780	0.3203	1.0300	3.760	1.00	2.65	15.6250	21.71	0
203	174.993	0.780	0.3072	1.1300	3.760	1.00	2.65	46.5050	21.71	0
204	174.993	0.780	0.2923	1.6200	3.760	1.00	2.65	68.7070	21.71	0
205	174.993	0.780	0.2786	1.8800	3.760	1.00	2.65	100.5860	21.71	0
206	174.993	0.780	0.3292	1.2100	3.760	1.00	2.65	2.5680	22.14	0
207	174.993	0.780	0.3313	0.9800	3.760	1.00	2.65	8.4320	22.14	0
208	174.993	0.780	0.3075	1.4900	3.760	1.00	2.65	24.0080	22.14	0
209	174.993	0.780	0.2862	1.5000	3.760	1.00	2.65	52.3510	22.14	0
210	199.993	0.780	0.3776	0.9500	3.760	1.00	2.65	3.3930	24.44	0
211	199.993	0.780	0.3658	1.0700	3.760	1.00	2.65	7.1290	24.44	0
212	199.993	0.780	0.3533	1.1800	3.760	1.00	2.65	13.1450	24.44	0
213	81.997	0.780	0.1939	1.6900	4.580	1.00	2.65	0.0	27.47	0
214	127.997	0.780	0.2539	1.2500	4.580	1.00	2.65	0.0	27.47	0
215	149.995	0.780	0.2530	1.8300	4.580	1.00	2.65	8.6150	27.47	0
216	149.995	0.780	0.2463	1.8000	4.580	1.00	2.65	5.4050	27.47	0
217	149.995	0.780	0.2466	1.8000	4.580	1.00	2.65	7.7670	27.47	0
218	174.993	0.780	0.2899	1.7100	4.580	1.00	2.65	19.3260	29.68	0
219	174.993	0.780	0.2890	1.7700	4.580	1.00	2.65	15.3980	29.68	0
220	174.993	0.780	0.2899	1.7300	4.580	1.00	2.65	17.9570	29.68	0

SAT - DATA OF SATO, S., KIKKAWA, H. AND ASHIDA (1958)
(SHEET 5 OF 5)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	174.993	0.780	0.2798	1.8800	4.580	1.00	2.65	44.5380	29.68	0
222	174.993	0.780	0.2792	1.9100	4.580	1.00	2.65	49.0240	29.68	0
223	174.993	0.780	0.2755	1.8700	4.580	1.00	2.65	48.3600	29.68	0
224	199.993	0.780	0.3118	1.7800	4.580	1.00	2.65	26.0680	26.94	0
225	199.993	0.780	0.3133	1.7600	4.580	1.00	2.65	23.8200	26.94	0
226	199.993	0.780	0.3118	1.8000	4.580	1.00	2.65	25.2910	26.94	0
227	199.993	0.780	0.2941	1.9600	4.580	1.00	2.65	35.0810	26.94	0
228	199.993	0.780	0.2963	1.9500	4.580	1.00	2.65	51.2460	26.94	0
229	199.993	0.780	0.2947	1.8400	4.580	1.00	2.65	61.1530	26.94	0
230	224.993	0.780	0.3231	2.1000	4.580	1.00	2.65	84.1160	29.11	0
231	224.993	0.780	0.3216	2.0800	4.580	1.00	2.65	54.2050	29.11	0
232	224.993	0.780	0.3179	1.9100	4.580	1.00	2.65	56.0820	29.11	0
233	249.991	0.780	0.3542	2.0500	4.580	1.00	2.65	93.1690	23.97	0
234	249.991	0.780	0.3691	1.9500	4.580	1.00	2.65	52.3150	23.97	0
235	249.991	0.780	0.3700	1.9500	4.580	1.00	2.65	67.5170	23.97	0
236	274.991	0.780	0.3655	2.1400	4.580	1.00	2.65	97.1020	21.71	0
237	274.991	0.780	0.3682	2.0200	4.580	1.00	2.65	92.6610	21.71	0
238	274.991	0.780	0.3661	2.0300	4.580	1.00	2.65	79.7300	21.71	0
239	299.988	0.780	0.3932	2.3200	4.580	1.00	2.65	130.9080	23.50	0
240	299.988	0.780	0.3938	2.0500	4.580	1.00	2.65	101.4960	23.50	0
241	299.988	0.780	0.3816	2.0500	4.580	1.00	2.65	85.8080	23.50	0
242	349.988	0.780	0.4228	2.1800	4.580	1.00	2.65	89.1970	23.50	0
243	502.982	0.780	0.4209	1.9000	4.580	1.00	2.65	76.1340	23.50	0

SIN - DATA OF SINGH, B. (1960)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	13.592	0.750	0.0567	1.0000	0.620	1.16	2.64	0.0	14.20	1
2	18.066	0.750	0.0661	1.0000	0.620	1.16	2.64	0.0	13.80	1
3	24.296	0.750	0.0853	1.0000	0.620	1.16	2.64	52.5000	14.60	2
4	23.305	0.750	0.0844	1.0000	0.620	1.16	2.64	61.9000	14.60	2
5	7.589	0.753	0.0326	1.5000	0.620	1.16	2.64	31.0000	14.00	5
6	12.601	0.753	0.0451	1.5000	0.620	1.16	2.64	111.7000	14.00	5
7	14.838	0.753	0.0588	1.5000	0.620	1.16	2.64	69.7000	14.20	2
8	15.150	0.753	0.0704	1.5000	0.620	1.16	2.64	42.4000	14.20	2
9	16.594	0.753	0.0796	1.5000	0.620	1.16	2.64	35.7000	14.20	2
10	20.870	0.753	0.0917	1.5000	0.620	1.16	2.64	61.9000	14.20	2
11	24.183	0.753	0.1021	1.5000	0.620	1.16	2.64	37.8000	14.20	2
12	26.788	0.753	0.1042	1.5000	0.620	1.16	2.64	78.0000	14.20	2
13	5.324	0.753	0.0242	2.0000	0.620	1.16	2.64	0.0	14.50	1
14	5.777	0.753	0.0255	2.0000	0.620	1.16	2.64	8.7000	14.50	2
15	7.985	0.753	0.0314	2.0000	0.620	1.16	2.64	107.1000	14.50	2
16	9.260	0.753	0.0344	2.0000	0.620	1.16	2.64	141.7000	13.50	2
17	11.836	0.753	0.0424	2.0000	0.620	1.16	2.64	214.4000	13.50	2
18	13.819	0.753	0.0503	2.0000	0.620	1.16	2.64	167.0000	13.30	2
19	16.820	0.753	0.0649	2.0000	0.620	1.16	2.64	120.5000	13.30	2
20	20.785	0.753	0.0765	2.0000	0.620	1.16	2.64	107.7000	13.30	2
21	23.899	0.753	0.0896	2.0000	0.620	1.16	2.64	100.5000	13.30	2
22	26.448	0.753	0.0988	2.0000	0.620	1.16	2.64	137.9000	13.30	2
23	28.090	0.753	0.1003	2.0000	0.620	1.16	2.64	126.9000	13.40	2
24	3.964	0.753	0.0180	2.5000	0.620	1.16	2.64	0.0	13.50	1
25	4.786	0.753	0.0210	2.5000	0.620	1.16	2.64	82.2000	13.50	2
26	7.136	0.753	0.0281	2.5000	0.620	1.16	2.64	141.0000	13.50	2
27	10.137	0.753	0.0384	2.5000	0.620	1.16	2.64	260.0000	12.70	2
28	12.148	0.753	0.0518	2.5000	0.620	1.16	2.64	185.1000	12.70	2
29	14.555	0.753	0.0582	2.5000	0.620	1.16	2.64	162.4000	12.70	2
30	18.491	0.753	0.0585	2.5000	0.620	1.16	2.64	226.1000	12.90	2
31	21.153	0.753	0.0686	2.5000	0.620	1.16	2.64	278.5999	13.20	2
32	21.549	0.753	0.0722	2.5000	0.620	1.16	2.64	284.2998	13.20	2
33	23.418	0.753	0.0735	2.5000	0.620	1.16	2.64	266.0999	14.40	2
34	27.382	0.753	0.0869	2.5000	0.620	1.16	2.64	306.0000	14.70	3
35	3.341	0.753	0.0158	3.0000	0.620	1.16	2.64	0.0	14.40	1
36	3.823	0.753	0.0171	3.0000	0.620	1.16	2.64	31.4000	14.40	2
37	5.607	0.753	0.0231	3.0000	0.620	1.16	2.64	210.0000	14.40	2
38	7.221	0.753	0.0269	3.0000	0.620	1.16	2.64	249.0000	14.40	2
39	9.769	0.753	0.0354	3.0000	0.620	1.16	2.64	338.0999	14.60	2
40	12.658	0.753	0.0436	3.0000	0.620	1.16	2.64	308.2000	14.60	2
41	14.187	0.753	0.0494	3.0000	0.620	1.16	2.64	308.2000	14.60	3
42	17.471	0.753	0.0582	3.0000	0.620	1.16	2.64	352.0000	13.00	3
43	20.162	0.753	0.0674	3.0000	0.620	1.16	2.64	332.0000	13.00	3
44	22.993	0.753	0.0719	3.0000	0.620	1.16	2.64	468.0000	13.50	3
45	26.561	0.753	0.0799	3.0000	0.620	1.16	2.64	454.0000	13.50	3
46	2.973	0.753	0.0142	3.5000	0.620	1.16	2.64	0.0	14.10	1
47	3.426	0.753	0.0152	3.5000	0.620	1.16	2.64	41.6000	14.10	5
48	4.644	0.753	0.0200	3.5000	0.620	1.16	2.64	204.5000	14.10	2
49	5.833	0.753	0.0231	3.5000	0.620	1.16	2.64	336.0000	14.20	2
50	7.192	0.753	0.0277	3.5000	0.620	1.16	2.64	500.0000	14.20	2
51	9.260	0.753	0.0351	3.5000	0.620	1.16	2.64	437.0000	14.20	2
52	11.893	0.753	0.0405	3.5000	0.620	1.16	2.64	426.0000	14.20	2
53	14.696	0.753	0.0463	3.5000	0.620	1.16	2.64	562.0000	14.20	2
54	17.868	0.753	0.0555	3.5000	0.620	1.16	2.64	573.0000	14.20	2
55	22.002	0.753	0.0664	3.5000	0.620	1.16	2.64	518.0000	14.20	2

SIN - DATA OF SINGH, B. (1960)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	2.690	0.753	0.0123	4.0000	0.620	1.16	2.64	0.0	15.80	1
57	3.426	0.753	0.0147	4.0000	0.620	1.16	2.64	160.0000	15.80	5
58	4.757	0.753	0.0190	4.0000	0.620	1.16	2.64	379.0000	15.80	2
59	6.060	0.753	0.0225	4.0000	0.620	1.16	2.64	430.0000	15.80	2
60	7.985	0.753	0.0303	4.0000	0.620	1.16	2.64	580.0000	15.80	2
61	10.647	0.753	0.0347	4.0000	0.620	1.16	2.64	515.0000	15.60	2
62	13.479	0.753	0.0418	4.0000	0.620	1.16	2.64	680.0000	15.60	2
63	17.698	0.753	0.0515	4.0000	0.620	1.16	2.64	723.0000	15.80	2
64	20.983	0.753	0.0570	4.0000	0.620	1.16	2.64	837.0000	15.80	2
65	23.899	0.753	0.0661	4.0000	0.620	1.16	2.64	745.0000	15.80	2
66	2.690	0.753	0.0119	5.0000	0.620	1.16	2.64	0.0	16.50	1
67	3.823	0.753	0.0153	5.0000	0.620	1.16	2.64	414.0000	16.50	2
68	5.493	0.753	0.0212	5.0000	0.620	1.16	2.64	665.0000	16.50	2
69	7.674	0.753	0.0255	5.0000	0.620	1.16	2.64	685.0000	16.50	2
70	9.543	0.753	0.0311	5.0000	0.620	1.16	2.64	766.0000	16.50	2
71	11.893	0.753	0.0360	5.0000	0.620	1.16	2.64	822.0000	16.50	2
72	14.583	0.753	0.0415	5.0000	0.620	1.16	2.64	870.0000	16.50	2
73	17.217	0.753	0.0451	5.0000	0.620	1.16	2.64	990.0000	16.50	2
74	22.427	0.753	0.0539	5.0000	0.620	1.16	2.64	1162.0000	16.50	2
75	9.543	0.491	0.0591	1.0000	0.620	1.16	2.64	0.0	16.30	1
76	11.582	0.491	0.0695	1.0000	0.620	1.16	2.64	0.0	16.30	2
77	14.781	0.491	0.0802	1.0000	0.620	1.16	2.64	42.0000	16.30	2
78	17.500	0.491	0.0954	1.0000	0.620	1.16	2.64	66.5000	16.30	2
79	21.832	0.491	0.1091	1.0000	0.620	1.16	2.64	108.5000	16.10	2
80	24.777	0.491	0.1247	1.0000	0.620	1.16	2.64	126.1000	16.10	2
81	4.106	0.491	0.0304	1.5000	0.620	1.16	2.64	0.0	16.50	1
82	5.692	0.491	0.0369	1.5000	0.620	1.16	2.64	18.0000	16.50	2
83	7.051	0.491	0.0454	1.5000	0.620	1.16	2.64	115.1000	16.50	2
84	9.260	0.491	0.0607	1.5000	0.620	1.16	2.64	94.0000	16.70	2
85	11.695	0.491	0.0741	1.5000	0.620	1.16	2.64	64.0000	16.70	2
86	14.611	0.491	0.0835	1.5000	0.620	1.16	2.64	92.0000	16.70	2
87	18.066	0.491	0.0954	1.5000	0.620	1.16	2.64	87.6000	16.70	2
88	21.946	0.491	0.1049	1.5000	0.620	1.16	2.64	187.0000	16.90	3
89	25.712	0.491	0.1155	1.5000	0.620	1.16	2.64	232.0000	16.90	3
90	5.607	0.491	0.0372	1.5000	0.620	1.16	2.64	0.0	13.40	1
91	7.476	0.491	0.0433	1.5000	0.620	1.16	2.64	108.8000	13.40	2
92	9.316	0.491	0.0616	1.5000	0.620	1.16	2.64	141.5000	13.40	2
93	11.638	0.491	0.0792	1.5000	0.620	1.16	2.64	47.8000	13.40	2
94	15.036	0.491	0.0847	1.5000	0.620	1.16	2.64	103.5000	13.40	2
95	17.755	0.491	0.0985	1.5000	0.620	1.16	2.64	115.5000	14.00	2
96	21.804	0.491	0.1073	1.5000	0.620	1.16	2.64	167.8000	14.00	2
97	24.919	0.491	0.1170	1.5000	0.620	1.16	2.64	201.0000	14.00	2
98	21.238	0.491	0.1061	1.5000	0.620	1.16	2.64	201.0000	14.60	2
99	18.208	0.491	0.0985	1.5000	0.620	1.16	2.64	129.7000	14.60	2
100	14.923	0.491	0.0863	1.5000	0.620	1.16	2.64	94.5000	14.60	2
101	12.148	0.491	0.0820	1.5000	0.620	1.16	2.64	71.0000	14.60	2
102	9.458	0.491	0.0649	1.5000	0.620	1.16	2.64	88.6000	14.40	2
103	7.900	0.491	0.0533	1.5000	0.620	1.16	2.64	115.8000	14.40	2
104	6.230	0.491	0.0500	1.5000	0.620	1.16	2.64	94.0000	14.40	2
105	5.493	0.491	0.0482	1.5000	0.620	1.16	2.64	34.4000	14.40	2
106	6.201	0.491	0.0430	1.5000	0.620	1.16	2.64	65.5000	15.60	2
107	4.219	0.491	0.0287	2.0000	0.620	1.16	2.64	0.0	17.00	1
108	6.116	0.491	0.0366	2.0000	0.620	1.16	2.64	124.1000	17.00	2
109	7.730	0.491	0.0427	2.0000	0.620	1.16	2.64	220.0000	17.00	2
110	10.279	0.491	0.0588	2.0000	0.620	1.16	2.64	248.0000	16.80	0

SIN - DATA OF SINGH, B. (1960)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	12.884	0.491	0.0649	2.0000	0.620	1.16	2.64	192.0000	16.80	0
112	14.753	0.491	0.0710	2.0000	0.620	1.16	2.64	290.0999	16.80	0
113	17.132	0.491	0.0838	2.0000	0.620	1.16	2.64	238.0000	16.80	0
114	21.577	0.491	0.0957	2.0000	0.620	1.16	2.64	323.0000	17.20	0
115	25.400	0.491	0.1094	2.0000	0.620	1.16	2.64	295.0000	17.20	3
116	4.984	0.491	0.0399	2.0000	0.620	1.16	2.64	158.0000	13.40	2
117	6.003	0.491	0.0445	2.0000	0.620	1.16	2.64	118.6000	13.40	2
118	8.099	0.491	0.0552	2.0000	0.620	1.16	2.64	174.1000	13.40	2
119	10.534	0.491	0.0649	2.0000	0.620	1.16	2.64	149.5000	13.40	2
120	12.912	0.491	0.0732	2.0000	0.620	1.16	2.64	181.5000	13.40	2
121	14.215	0.491	0.0780	2.0000	0.620	1.16	2.64	234.0000	13.40	0
122	17.755	0.491	0.0832	2.0000	0.620	1.16	2.64	203.0000	13.40	0
123	21.804	0.491	0.0963	2.0000	0.620	1.16	2.64	326.0000	13.40	0
124	24.239	0.491	0.1082	2.0000	0.620	1.16	2.64	316.0000	13.40	3
125	21.776	0.491	0.0994	2.0000	0.620	1.16	2.64	284.0000	13.40	0
126	18.123	0.491	0.0881	2.0000	0.620	1.16	2.64	220.0000	13.40	0
127	14.328	0.491	0.0814	2.0000	0.620	1.16	2.64	189.2000	13.40	0
128	13.592	0.491	0.0750	2.0000	0.620	1.16	2.64	150.2000	13.20	2
129	10.024	0.491	0.0658	2.0000	0.620	1.16	2.64	126.2000	13.20	2
130	7.815	0.491	0.0558	2.0000	0.620	1.16	2.64	125.2000	14.10	2
131	6.909	0.491	0.0503	2.0000	0.620	1.16	2.64	117.2000	14.10	2
132	5.409	0.491	0.0445	2.0000	0.620	1.16	2.64	124.5000	14.10	2
133	2.718	0.491	0.0201	2.5000	0.620	1.16	2.64	0.0	17.30	1
134	3.908	0.491	0.0255	2.5000	0.620	1.16	2.64	123.5000	17.30	5
135	5.550	0.491	0.0320	2.5000	0.620	1.16	2.64	231.8000	17.30	2
136	8.127	0.491	0.0433	2.5000	0.620	1.16	2.64	308.7000	17.30	2
137	10.421	0.491	0.0506	2.5000	0.620	1.16	2.64	394.0000	17.30	0
138	12.799	0.491	0.0588	2.5000	0.620	1.16	2.64	431.0000	17.30	0
139	16.112	0.491	0.0680	2.5000	0.620	1.16	2.64	578.0000	17.40	0
140	19.255	0.491	0.0863	2.5000	0.620	1.16	2.64	496.0000	17.40	0
141	21.294	0.491	0.0887	2.5000	0.620	1.16	2.64	502.0000	17.30	0
142	26.080	0.491	0.1018	2.5000	0.620	1.16	2.64	583.0000	17.30	3
143	3.936	0.491	0.0267	2.5000	0.620	1.16	2.64	51.5000	14.10	5
144	5.550	0.491	0.0366	2.5000	0.620	1.16	2.64	265.0000	14.10	2
145	7.362	0.491	0.0433	2.5000	0.620	1.16	2.64	262.0000	14.10	2
146	9.883	0.491	0.0506	2.5000	0.620	1.16	2.64	333.0000	14.10	2
147	12.176	0.491	0.0564	2.5000	0.620	1.16	2.64	402.0000	14.10	2
148	2.718	0.491	0.0187	3.0000	0.620	1.16	2.64	0.0	17.40	1
149	3.908	0.491	0.0240	3.0000	0.620	1.16	2.64	144.6000	17.40	5
150	5.833	0.491	0.0317	3.0000	0.620	1.16	2.64	369.0000	17.40	2
151	7.362	0.491	0.0375	3.0000	0.620	1.16	2.64	339.0000	17.40	2
152	8.863	0.491	0.0445	3.0000	0.620	1.16	2.64	363.0000	17.40	2
153	13.394	0.491	0.0558	3.0000	0.620	1.16	2.64	555.0000	17.40	2
154	15.574	0.491	0.0637	3.0000	0.620	1.16	2.64	512.0000	17.40	2
155	19.624	0.491	0.0747	3.0000	0.620	1.16	2.64	608.0000	17.40	2
156	22.200	0.491	0.0835	3.0000	0.620	1.16	2.64	583.0000	17.40	2
157	26.505	0.491	0.0975	3.0000	0.620	1.16	2.64	556.0000	17.40	2
158	4.219	0.491	0.0308	3.0000	0.620	1.16	2.64	247.0000	14.70	2
159	5.352	0.491	0.0341	3.0000	0.620	1.16	2.64	342.0000	14.70	2
160	8.155	0.491	0.0433	3.0000	0.620	1.16	2.64	243.0000	14.70	2
161	9.458	0.491	0.0482	3.0000	0.620	1.16	2.64	458.0000	14.70	2
162	11.978	0.491	0.0536	3.0000	0.620	1.16	2.64	526.0000	14.70	2
163	2.718	0.491	0.0173	3.5000	0.620	1.16	2.64	215.0000	17.20	5
164	4.304	0.491	0.0263	3.5000	0.620	1.16	2.64	365.0000	17.20	2
165	6.031	0.491	0.0314	3.5000	0.620	1.16	2.64	426.0000	17.20	2

SIN - DATA OF SINGH, B. (1960)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	7.730	0.491	0.0366	3.5000	0.620	1.16	2.64	479.0000	17.20	2
167	10.251	0.491	0.0463	3.5000	0.620	1.16	2.64	564.0000	17.10	2
168	12.799	0.491	0.0524	3.5000	0.620	1.16	2.64	655.0000	17.10	2
169	15.376	0.491	0.0604	3.5000	0.620	1.16	2.64	756.0000	17.10	2
170	19.114	0.491	0.0725	3.5000	0.620	1.16	2.64	940.0000	17.00	2
171	22.710	0.491	0.0817	3.5000	0.620	1.16	2.64	833.0000	17.00	2
172	26.278	0.491	0.0920	3.5000	0.620	1.16	2.64	846.0000	17.00	2
173	2.690	0.491	0.0186	3.5000	0.620	1.16	2.64	132.0000	14.70	5
174	4.276	0.491	0.0259	3.5000	0.620	1.16	2.64	321.0000	14.70	2
175	6.031	0.491	0.0323	3.5000	0.620	1.16	2.64	395.0000	14.70	2
176	7.929	0.491	0.0393	3.5000	0.620	1.16	2.64	486.0000	14.70	2
177	9.514	0.491	0.0463	3.5000	0.620	1.16	2.64	626.0000	14.70	2
178	2.690	0.491	0.0173	4.0000	0.620	1.16	2.64	273.0000	17.30	5
179	4.474	0.491	0.0257	4.0000	0.620	1.16	2.64	425.0000	17.30	2
180	6.230	0.491	0.0317	4.0000	0.620	1.16	2.64	553.0000	17.30	2
181	8.325	0.491	0.0372	4.0000	0.620	1.16	2.64	585.0000	17.30	2
182	10.591	0.491	0.0451	4.0000	0.620	1.16	2.64	692.0000	17.40	2
183	12.771	0.491	0.0512	4.0000	0.620	1.16	2.64	745.0000	17.40	2
184	15.518	0.491	0.0585	4.0000	0.620	1.16	2.64	885.0000	17.40	2
185	19.227	0.491	0.0701	4.0000	0.620	1.16	2.64	1075.0000	17.40	2
186	23.503	0.491	0.0802	4.0000	0.620	1.16	2.64	1105.0000	17.40	2
187	2.633	0.491	0.0177	4.0000	0.620	1.16	2.64	198.0000	15.40	5
188	4.531	0.491	0.0274	4.0000	0.620	1.16	2.64	456.0000	15.40	2
189	5.522	0.491	0.0311	4.0000	0.620	1.16	2.64	484.0000	15.40	2
190	5.040	0.253	0.0634	1.0000	0.620	1.16	2.64	0.0	18.00	1
191	6.286	0.253	0.0732	1.0000	0.620	1.16	2.64	19.1000	18.00	2
192	7.674	0.253	0.0826	1.0000	0.620	1.16	2.64	22.8000	18.10	2
193	9.883	0.253	0.1094	1.0000	0.620	1.16	2.64	32.4000	18.10	2
194	11.497	0.253	0.1250	1.0000	0.620	1.16	2.64	65.2000	18.10	2
195	13.989	0.253	0.1369	1.0000	0.620	1.16	2.64	77.0000	18.10	2
196	17.698	0.253	0.1625	1.0000	0.620	1.16	2.64	109.0000	18.10	2
197	21.238	0.253	0.1887	1.0000	0.620	1.16	2.64	148.2000	18.10	2
198	23.786	0.253	0.2042	1.0000	0.620	1.16	2.64	181.1000	18.10	2
199	12.431	0.253	0.1289	1.0000	0.620	1.16	2.64	64.8000	15.50	3
200	14.442	0.253	0.1442	1.0000	0.620	1.16	2.64	81.5000	16.00	3
201	17.613	0.253	0.1676	1.0000	0.620	1.16	2.64	83.8000	16.00	3
202	3.993	0.253	0.0466	1.5000	0.620	1.16	2.64	0.0	18.40	1
203	5.550	0.253	0.0585	1.5000	0.620	1.16	2.64	141.8000	18.40	2
204	7.476	0.253	0.0732	1.5000	0.620	1.16	2.64	148.8000	18.40	2
205	9.571	0.253	0.0917	1.5000	0.620	1.16	2.64	155.6000	18.50	0
206	12.148	0.253	0.1109	1.5000	0.620	1.16	2.64	197.0000	18.50	0
207	14.951	0.253	0.1250	1.5000	0.620	1.16	2.64	174.0000	18.50	0
208	17.075	0.253	0.1451	1.5000	0.620	1.16	2.64	211.0000	18.50	0
209	21.719	0.253	0.1579	1.5000	0.620	1.16	2.64	205.0000	18.50	0
210	24.154	0.253	0.1737	1.5000	0.620	1.16	2.64	252.0000	18.40	3
211	5.947	0.253	0.0643	1.5000	0.620	1.16	2.64	135.3000	16.30	2
212	7.476	0.253	0.0744	1.5000	0.620	1.16	2.64	198.0000	16.30	0
213	9.628	0.253	0.0924	1.5000	0.620	1.16	2.64	179.0000	16.30	0
214	12.318	0.253	0.1152	1.5000	0.620	1.16	2.64	187.0000	16.30	3
215	14.413	0.253	0.1283	1.5000	0.620	1.16	2.64	210.0000	16.30	3
216	18.434	0.253	0.1664	1.5000	0.620	1.16	2.64	238.0000	16.30	3
217	21.662	0.253	0.1804	1.5000	0.620	1.16	2.64	206.0000	16.30	3
218	24.409	0.253	0.1987	1.5000	0.620	1.16	2.64	250.0000	16.30	3
219	21.294	0.253	0.1844	1.5000	0.620	1.16	2.64	207.0000	16.30	3
220	18.463	0.253	0.1728	1.5000	0.620	1.16	2.64	177.5000	15.90	3

SIN - DATA OF SINGH, B. (1960)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	14.300	0.253	0.1295	1.5000	0.620	1.16	2.64	238.5000	15.90	3
222	12.063	0.253	0.1177	1.5000	0.620	1.16	2.64	164.0000	15.90	0
223	9.911	0.253	0.0954	1.5000	0.620	1.16	2.64	174.0000	15.90	0
224	7.957	0.253	0.0799	1.5000	0.620	1.16	2.64	211.0000	15.90	0
225	6.031	0.253	0.0701	1.5000	0.620	1.16	2.64	113.9000	15.90	0
226	2.718	0.253	0.0360	2.0000	0.620	1.16	2.64	0.0	18.40	1
227	4.134	0.253	0.0460	2.0000	0.620	1.16	2.64	122.8000	18.30	2
228	5.692	0.253	0.0561	2.0000	0.620	1.16	2.64	196.1000	18.30	2
229	7.249	0.253	0.0671	2.0000	0.620	1.16	2.64	195.2000	18.30	0
230	10.081	0.253	0.0844	2.0000	0.620	1.16	2.64	384.0000	18.30	0
231	12.799	0.253	0.1039	2.0000	0.620	1.16	2.64	332.0000	18.30	0
232	15.291	0.253	0.1231	2.0000	0.620	1.16	2.64	323.0000	18.30	0
233	17.783	0.253	0.1378	2.0000	0.620	1.16	2.64	373.0000	18.40	0
234	21.351	0.253	0.1579	2.0000	0.620	1.16	2.64	419.0000	18.40	0
235	24.013	0.253	0.1682	2.0000	0.620	1.16	2.64	393.0000	18.40	3
236	3.964	0.253	0.0491	2.0000	0.620	1.16	2.64	115.8000	16.00	2
237	5.550	0.253	0.0579	2.0000	0.620	1.16	2.64	192.0000	16.00	2
238	7.900	0.253	0.0722	2.0000	0.620	1.16	2.64	276.0000	16.00	0
239	12.318	0.253	0.1027	2.0000	0.620	1.16	2.64	308.5000	16.00	0
240	14.951	0.253	0.1219	2.0000	0.620	1.16	2.64	335.0000	16.50	3
241	18.010	0.253	0.1378	2.0000	0.620	1.16	2.64	350.0000	16.50	3
242	21.408	0.253	0.1628	2.0000	0.620	1.16	2.64	392.0000	16.50	3
243	24.296	0.253	0.1777	2.0000	0.620	1.16	2.64	414.0000	16.50	3
244	21.266	0.253	0.1670	2.0000	0.620	1.16	2.64	376.0000	16.50	3
245	17.953	0.253	0.1460	2.0000	0.620	1.16	2.64	372.0000	16.50	3
246	15.178	0.253	0.1286	2.0000	0.620	1.16	2.64	322.0000	16.50	3
247	13.366	0.253	0.1134	2.0000	0.620	1.16	2.64	342.0000	15.60	0
248	7.702	0.253	0.0753	2.0000	0.620	1.16	2.64	224.0000	15.60	0
249	5.720	0.253	0.0579	2.0000	0.620	1.16	2.64	177.3000	15.60	0
250	4.616	0.253	0.0527	2.0000	0.620	1.16	2.64	123.2000	15.60	0
251	2.690	0.253	0.0341	2.5000	0.620	1.16	2.64	75.5000	18.90	5
252	3.993	0.253	0.0448	2.5000	0.620	1.16	2.64	158.5000	18.90	2
253	5.720	0.253	0.0555	2.5000	0.620	1.16	2.64	264.0000	19.30	2
254	7.561	0.253	0.0658	2.5000	0.620	1.16	2.64	417.0000	19.30	0
255	9.543	0.253	0.0786	2.5000	0.620	1.16	2.64	532.0000	19.30	0
256	11.582	0.253	0.0927	2.5000	0.620	1.16	2.64	404.0000	19.20	0
257	14.498	0.253	0.1109	2.5000	0.620	1.16	2.64	500.0000	19.20	0
258	17.500	0.253	0.1332	2.5000	0.620	1.16	2.64	500.0000	19.20	0
259	21.492	0.253	0.1554	2.5000	0.620	1.16	2.64	550.0999	19.20	0
260	24.154	0.253	0.1676	2.5000	0.620	1.16	2.64	560.0000	19.20	3
261	4.049	0.253	0.0472	2.5000	0.620	1.16	2.64	95.2000	15.40	0
262	5.635	0.253	0.0561	2.5000	0.620	1.16	2.64	256.0000	15.40	0
263	8.070	0.253	0.0701	2.5000	0.620	1.16	2.64	410.0000	15.40	0
264	10.279	0.253	0.0856	2.5000	0.620	1.16	2.64	494.0000	15.40	0
265	11.836	0.253	0.0969	2.5000	0.620	1.16	2.64	475.0000	15.40	0
266	15.036	0.253	0.1125	2.5000	0.620	1.16	2.64	515.0000	15.40	3
267	4.191	0.253	0.0421	3.0000	0.620	1.16	2.64	182.0000	19.20	2
268	5.947	0.253	0.0533	3.0000	0.620	1.16	2.64	417.0000	19.20	0
269	7.674	0.253	0.0640	3.0000	0.620	1.16	2.64	539.0000	19.20	0
270	9.260	0.253	0.0765	3.0000	0.620	1.16	2.64	602.0000	19.20	0
271	13.054	0.253	0.0978	3.0000	0.620	1.16	2.64	613.0000	19.20	0
272	14.640	0.253	0.1070	3.0000	0.620	1.16	2.64	682.0000	19.20	0
273	18.010	0.253	0.1271	3.0000	0.620	1.16	2.64	587.0000	19.20	0
274	23.928	0.253	0.1655	3.0000	0.620	1.16	2.64	592.0000	19.00	3
275	4.531	0.253	0.0466	3.0000	0.620	1.16	2.64	191.0000	15.70	2

SIN - DATA OF SINGH, B. (1960)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	5.890	0.253	0.0570	3.0000	0.620	1.16	2.64	358.0000	15.70	2
277	7.815	0.253	0.0668	3.0000	0.620	1.16	2.64	512.0000	15.70	2
278	9.599	0.253	0.0789	3.0000	0.620	1.16	2.64	578.0000	15.70	2
279	12.205	0.253	0.0933	3.0000	0.620	1.16	2.64	670.0000	13.50	2
280	4.191	0.253	0.0418	4.0000	0.620	1.16	2.64	415.0000	19.00	2
281	6.230	0.253	0.0527	4.0000	0.620	1.16	2.64	592.0000	18.50	2
282	7.730	0.253	0.0631	4.0000	0.620	1.16	2.64	781.0000	18.50	2
283	9.231	0.253	0.0707	4.0000	0.620	1.16	2.64	837.0000	18.00	2
284	12.516	0.253	0.0853	4.0000	0.620	1.16	2.64	911.0000	17.80	2
285	15.065	0.253	0.0985	4.0000	0.620	1.16	2.64	1070.0000	17.80	3
286	18.689	0.253	0.1113	4.0000	0.620	1.16	2.64	909.0000	17.50	3
287	21.719	0.253	0.1372	4.0000	0.620	1.16	2.64	872.0000	17.50	3
288	4.219	0.253	0.0393	5.0000	0.620	1.16	2.64	655.0000	17.20	2
289	5.692	0.253	0.0469	5.0000	0.620	1.16	2.64	630.0000	17.40	2
290	7.164	0.253	0.0573	5.0000	0.620	1.16	2.64	950.0000	17.40	2
291	7.476	0.253	0.0588	5.0000	0.620	1.16	2.64	1010.0000	17.40	2
292	9.345	0.253	0.0555	5.0000	0.620	1.16	2.64	1195.0000	17.40	2
293	12.148	0.253	0.0774	5.0000	0.620	1.16	2.64	1288.0000	17.40	3
294	15.376	0.253	0.0893	5.0000	0.620	1.16	2.64	1400.0000	17.40	3
295	17.840	0.253	0.0997	5.0000	0.620	1.16	2.64	1490.0000	17.40	3
296	6.173	0.253	0.0457	7.0000	0.620	1.16	2.64	1380.0000	17.40	0
297	7.985	0.253	0.0549	7.0000	0.620	1.16	2.64	1578.0000	17.40	0
298	9.486	0.253	0.0610	7.0000	0.620	1.16	2.64	1685.0000	17.40	0
299	7.872	0.253	0.0488	10.0000	0.620	1.16	2.64	2680.0000	17.40	0
300	10.222	0.253	0.0518	10.0000	0.620	1.16	2.64	2460.0000	17.40	0
301	15.404	0.253	0.0701	10.0000	0.620	1.16	2.64	-1.0000	17.40	0
302	9.628	0.253	0.0457	12.0000	0.620	1.16	2.64	3380.0000	17.40	0
303	10.760	0.253	0.0518	12.0000	0.620	1.16	2.64	3960.0000	17.40	0
304	7.929	0.253	0.0427	14.0000	0.620	1.16	2.64	5750.0000	17.40	0
305	9.288	0.253	0.0457	14.0000	0.620	1.16	2.64	6830.0000	17.40	5

SON - DATA OF SONI, J.P. (1980)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	4.000	0.200	0.0500	3.5600	0.320	1.30	2.65	1640.0000	29.00	0
2	4.000	0.200	0.0520	3.3000	0.320	1.30	2.65	1590.0000	27.50	0
3	4.000	0.200	0.0530	3.6000	0.320	1.30	2.65	1560.0000	28.00	0
4	7.100	0.200	0.0860	2.2500	0.320	1.30	2.65	1200.0000	30.50	0
5	7.100	0.200	0.0750	3.3800	0.320	1.30	2.65	2200.0000	29.00	0
6	7.100	0.200	0.0850	2.6300	0.320	1.30	2.65	1240.0000	30.00	0
7	7.100	0.200	0.0720	4.2700	0.320	1.30	2.65	2560.0000	30.00	0
8	7.100	0.200	0.0750	3.6300	0.320	1.30	2.65	1600.0000	27.50	0
9	7.100	0.200	0.0920	2.1200	0.320	1.30	2.65	1400.0000	28.50	0
10	7.100	0.200	0.0620	6.5200	0.320	1.30	2.65	8200.0000	29.50	0
11	7.100	0.200	0.0580	4.8200	0.320	1.30	2.65	6000.0000	28.00	0
12	5.000	0.200	0.0740	2.0700	0.320	1.30	2.65	720.0000	29.50	0
13	6.000	0.200	0.0850	2.3500	0.320	1.30	2.65	940.0000	28.00	0
14	8.000	0.200	0.0985	2.5000	0.320	1.30	2.65	1360.0000	31.50	0
15	9.000	0.200	0.1000	2.2500	0.320	1.30	2.65	1200.0000	28.00	0
16	1.400	0.200	0.0320	3.7200	0.320	1.30	2.65	310.0000	28.50	0
17	5.000	0.200	0.0585	3.5000	0.320	1.30	2.65	2100.0000	29.00	0
18	6.000	0.200	0.0680	3.3000	0.320	1.30	2.65	2300.0000	29.50	0
19	1.400	0.200	0.0220	6.5800	0.320	1.30	2.65	2600.0000	27.00	0
20	3.000	0.200	0.0350	6.5000	0.320	1.30	2.65	5530.0000	29.00	0
21	4.000	0.200	0.0430	6.7000	0.320	1.30	2.65	6300.0000	28.00	0
22	5.000	0.200	0.0520	7.0000	0.320	1.30	2.65	8520.0000	28.00	0
23	6.000	0.200	0.0570	6.9000	0.320	1.30	2.65	9200.0000	27.50	0

STE - DATA OF STEIN, R.A. (1965)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	151.774	1.219	0.1829	3.5200	0.399	1.50	2.65	2089.0000	21.10	3
2	114.680	1.219	0.1829	2.8500	0.399	1.50	2.65	1029.0000	20.50	3
3	199.911	1.219	0.1829	3.2100	0.399	1.50	2.65	3045.0000	22.20	3
4	240.403	1.219	0.1829	3.3100	0.399	1.50	2.65	4000.0000	23.30	5
5	284.009	1.219	0.1829	5.0800	0.399	1.50	2.65	7093.9922	23.90	7
6	328.465	1.219	0.1829	7.3600	0.399	1.50	2.65	13460.9922	23.30	7
7	368.108	1.219	0.1829	10.7900	0.399	1.50	2.65	24230.0000	22.80	7
8	156.304	1.219	0.3048	0.6100	0.399	1.50	2.65	93.0000	22.80	3
9	198.212	1.219	0.3048	1.6800	0.399	1.50	2.65	476.0000	21.60	3
10	240.403	1.219	0.3048	2.6000	0.399	1.50	2.65	945.0000	22.80	3
11	282.027	1.219	0.3048	2.9000	0.399	1.50	2.65	1770.0000	20.00	3
12	282.877	1.219	0.3048	2.9800	0.399	1.50	2.65	1506.0000	20.50	3
13	325.634	1.219	0.2987	3.0000	0.399	1.50	2.65	1885.0000	24.40	3
14	328.465	1.219	0.3109	3.0100	0.399	1.50	2.65	1961.0000	21.10	3
15	368.108	1.219	0.3048	3.2700	0.399	1.50	2.65	2256.0000	22.20	3
16	410.582	1.219	0.3018	3.2800	0.399	1.50	2.65	2832.9958	22.20	3
17	453.056	1.219	0.3048	2.2600	0.399	1.50	2.65	2691.9968	22.20	5
18	481.372	1.219	0.3048	2.5100	0.399	1.50	2.65	2935.9958	23.30	5
19	282.594	1.219	0.3018	2.9000	0.399	1.50	2.65	1554.0000	22.20	3
20	156.304	1.219	0.2438	2.0100	0.399	1.50	2.65	640.0000	21.10	3
21	198.495	1.219	0.2438	2.9800	0.399	1.50	2.65	1461.0000	21.10	3
22	240.969	1.219	0.2438	2.9700	0.399	1.50	2.65	1958.0000	21.10	3
23	282.877	1.219	0.2438	2.8500	0.399	1.50	2.65	2166.0000	21.10	3
24	325.634	1.219	0.2438	2.6900	0.399	1.50	2.65	2800.9958	24.40	3
25	368.108	1.219	0.2438	2.6100	0.399	1.50	2.65	3351.9968	23.30	5
26	410.582	1.219	0.2469	3.2700	0.399	1.50	2.65	4422.9883	22.80	7
27	453.056	1.219	0.2438	4.1700	0.399	1.50	2.65	7361.9922	22.20	7
28	481.372	1.219	0.2469	5.2400	0.399	1.50	2.65	9615.0000	22.20	7
29	302.981	1.219	0.2438	2.8600	0.399	1.50	2.65	2705.0000	22.20	3
30	263.905	1.219	0.2469	2.4900	0.399	1.50	2.65	2237.0000	22.20	3
31	177.824	1.219	0.2438	2.6700	0.399	1.50	2.65	1045.0000	22.20	3
32	114.680	1.219	0.1250	3.8700	0.399	1.50	2.65	2532.0000	22.20	3
33	140.730	1.219	0.1219	3.7000	0.399	1.50	2.65	3505.9958	22.20	5
34	169.330	1.219	0.1219	4.2700	0.399	1.50	2.65	4910.0000	25.00	7
35	200.194	1.219	0.1219	6.6100	0.399	1.50	2.65	7178.9922	24.40	7
36	226.245	1.219	0.1219	10.1300	0.399	1.50	2.65	18331.9922	23.90	7
37	254.561	1.219	0.1219	13.0300	0.399	1.50	2.65	29165.0000	23.90	7
38	280.611	1.219	0.1250	16.9500	0.399	1.50	2.65	39292.9883	25.50	7
39	311.476	1.219	0.3658	2.5400	0.399	1.50	2.65	942.0000	26.60	3
40	285.991	1.219	0.3353	2.5600	0.399	1.50	2.65	1013.0000	26.60	3
41	233.890	1.219	0.2743	3.1000	0.399	1.50	2.65	1458.0000	26.10	3
42	181.789	1.219	0.2103	3.4800	0.399	1.50	2.65	1897.0000	26.60	3
43	156.304	1.219	0.1798	3.9500	0.399	1.50	2.65	2205.0000	28.30	3
44	130.537	1.219	0.1524	3.8700	0.399	1.50	2.65	2391.0000	25.50	3
45	78.152	1.219	0.0914	4.0300	0.399	1.50	2.65	2558.0000	25.50	3
46	393.592	1.219	0.2134	5.5300	0.399	1.50	2.65	8685.9922	26.60	7
47	314.307	1.219	0.1829	5.2400	0.399	1.50	2.65	8011.9922	27.20	7
48	111.282	1.219	0.0975	3.9800	0.399	1.50	2.65	4242.9883	26.60	5
49	238.421	1.219	0.1494	5.2900	0.399	1.50	2.65	7563.9922	27.20	7
50	133.651	1.219	0.0914	4.9100	0.399	1.50	2.65	6140.9922	26.60	7
51	282.310	1.219	0.1494	9.8000	0.399	1.50	2.65	19421.9922	26.60	7
52	261.640	1.219	0.1494	6.7900	0.399	1.50	2.65	12370.9922	25.50	7
53	430.403	1.219	0.2103	7.0500	0.399	1.50	2.65	17115.0000	25.00	5
54	356.781	1.219	0.2164	3.6500	0.399	1.50	2.65	4615.0000	26.60	7
55	319.971	1.219	0.2164	3.0400	0.399	1.50	2.65	3750.0000	26.60	5

STE - DATA OF STEIN, R.A. (1965)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	453.056	1.219	0.3048	2.5900	0.399	1.50	2.65	3045.0000	28.90	5

STR - DATA OF STRAUB, L.G. (1954,1958)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	8.013	0.305	0.0631	2.9800	0.191	1.40	2.65	746.0000	-1.00	2
2	8.013	0.305	0.0738	2.5360	0.191	1.40	2.65	423.0000	-1.00	2
3	8.013	0.305	0.0762	2.6420	0.191	1.40	2.65	417.0000	-1.00	2
4	8.013	0.305	0.0469	3.4390	0.191	1.40	2.65	1748.0000	-1.00	2
5	8.013	0.305	0.0430	4.0430	0.191	1.40	2.65	3150.0000	-1.00	7
6	8.013	0.305	0.0396	5.8900	0.191	1.40	2.65	4960.9922	-1.00	7
7	8.013	0.305	0.0369	6.3090	0.191	1.40	2.65	6992.9383	-1.00	7
8	8.013	0.305	0.0347	7.3470	0.191	1.40	2.65	8803.9922	-1.00	7
9	8.013	0.305	0.0427	6.5740	0.191	1.40	2.65	12600.0000	-1.00	7
10	24.040	0.914	0.0482	4.6200	0.191	1.40	2.65	6300.0000	-1.00	7
11	56.660	0.914	0.0884	2.3700	0.191	1.40	2.65	2670.0000	-1.00	7
12	112.981	0.914	0.1689	1.0800	0.191	1.40	2.65	1340.0000	-1.00	7
13	141.863	0.914	0.2030	0.9500	0.191	1.40	2.65	1070.0000	-1.00	7
14	169.896	0.914	0.2353	0.5600	0.191	1.40	2.65	890.0000	-1.00	7
15	169.896	0.914	0.2225	1.0240	0.191	1.40	2.65	890.0000	-1.00	7
16	24.040	0.914	0.0418	4.4400	0.191	1.40	2.65	6300.0000	-1.00	7
17	112.981	0.914	0.1716	1.1600	0.191	1.40	2.65	1340.0000	-1.00	7
18	169.896	0.914	0.2387	0.7800	0.191	1.40	2.65	890.0000	-1.00	7
19	14.158	0.305	0.0747	2.3500	0.163	1.35	2.65	1410.0000	30.00	2
20	14.158	0.305	0.0725	2.5600	0.163	1.35	2.65	2006.0000	23.50	2
21	14.158	0.305	0.0707	2.8200	0.163	1.35	2.65	2300.0000	17.20	2
22	14.158	0.305	0.0704	3.2400	0.163	1.35	2.65	2822.0000	11.10	2
23	14.158	0.305	0.0686	3.2600	0.163	1.35	2.65	3620.0000	5.83	2
24	14.158	0.305	0.0680	3.6200	0.163	1.35	2.65	4798.9922	1.67	2

TAY - DATA OF TAYLOR, B.D. (1971)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	47.436	0.851	0.1810	0.5600	0.228	1.52	2.65	2.8130	22.40	2
2	47.436	0.851	0.1810	0.5000	0.228	1.52	2.65	4.0470	37.80	2
3	47.378	0.851	0.1600	0.8900	0.228	1.52	2.65	13.9790	22.90	2
4	47.419	0.851	0.1620	0.7600	0.228	1.52	2.65	8.4120	37.90	2
5	47.455	0.851	0.1430	1.2800	0.228	1.52	2.65	138.5680	23.00	2
6	47.455	0.851	0.1430	1.0100	0.228	1.52	2.65	1002.7058	38.10	2
7	47.269	0.851	0.1240	1.6000	0.228	1.52	2.65	432.0220	23.20	2
8	47.202	0.851	0.1230	1.4100	0.228	1.52	2.65	341.7830	37.80	2
9	47.576	0.851	0.1160	1.7700	0.228	1.52	2.65	566.5969	22.90	2
10	47.490	0.851	0.1190	1.8700	0.228	1.52	2.65	673.6929	38.30	3
11	47.167	0.851	0.1040	2.0900	0.228	1.52	2.65	861.5859	23.20	3
12	47.262	0.851	0.1060	2.0800	0.228	1.52	2.65	838.2439	38.40	3
13	47.459	0.851	0.0806	2.0500	0.228	1.52	2.65	1289.4458	23.00	5
14	47.405	0.851	0.0788	2.0800	0.228	1.52	2.65	1331.1238	38.00	5
15	3.726	0.267	0.0610	0.3500	0.215	1.42	2.65	0.1840	21.00	1
16	3.726	0.267	0.0610	0.3200	0.215	1.42	2.65	0.7370	35.60	1
17	3.465	0.267	0.0610	0.3200	0.215	1.42	2.65	0.0490	20.50	1
18	3.465	0.267	0.0610	0.2900	0.215	1.42	2.65	0.1430	36.40	1
19	3.221	0.267	0.0610	0.2800	0.215	1.42	2.65	0.0930	20.50	1
20	3.221	0.267	0.0610	0.2500	0.215	1.42	2.65	0.0100	35.60	1
21	8.076	0.267	0.0602	3.2600	2.810	1.11	2.61	0.2150	20.60	1
22	8.076	0.267	0.0602	3.3000	2.810	1.11	2.61	0.0510	35.50	1
23	8.557	0.267	0.0602	3.6500	2.810	1.11	2.61	1.0560	20.50	1
24	8.557	0.267	0.0602	3.7200	2.810	1.11	2.61	0.5490	34.60	1
25	7.835	0.267	0.0602	3.0800	2.810	1.11	2.61	0.0500	20.50	1
26	7.835	0.267	0.0602	3.0900	2.810	1.11	2.61	0.0230	35.40	1
27	3.701	0.267	0.0606	0.3900	0.357	1.23	2.65	0.0470	22.00	1
28	3.701	0.267	0.0606	0.3000	0.191	1.26	2.65	1.6500	63.00	1
29	3.297	0.267	0.0606	0.2700	0.248	1.27	2.65	0.0250	49.00	1
30	4.962	0.267	0.0610	0.8100	1.070	1.14	2.65	0.0530	22.00	1
31	4.962	0.267	0.0610	0.8400	1.070	1.14	2.65	0.0360	42.00	1
32	5.450	0.267	0.0610	0.9800	1.070	1.14	2.65	2.0600	22.00	1
33	5.450	0.267	0.0610	1.0200	1.070	1.14	2.65	1.1250	42.00	1
34	5.206	0.267	0.0610	0.9000	1.070	1.14	2.65	0.4230	22.00	1
35	5.206	0.267	0.0610	0.9300	1.070	1.14	2.65	0.2550	42.00	1
36	84.004	0.851	0.1140	1.9800	0.228	1.52	2.65	2131.1680	24.50	5
37	83.674	0.851	0.1120	1.9900	0.228	1.52	2.65	2269.7410	38.90	5
38	12.216	0.267	0.0783	1.8700	0.138	1.25	2.65	965.8098	48.00	5
39	12.216	0.267	0.0783	1.9100	0.138	1.25	2.65	925.6418	33.00	5

VAB - DATA OF VANONI, V.A. AND BROOKS, N.H. (1957)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	14.441	0.850	0.0725	1.4100	0.137	1.38	2.65	37.0000	23.40	2
2	17.414	0.850	0.0741	2.0400	0.137	1.38	2.65	240.0000	24.50	2
3	20.246	0.850	0.0732	2.8000	0.137	1.38	2.65	1150.0000	25.20	2
4	24.210	0.850	0.0732	2.7300	0.137	1.38	2.65	1900.0000	25.50	2
5	26.334	0.850	0.0722	2.7700	0.137	1.38	2.65	2200.0000	22.40	2
6	28.316	0.850	0.0759	2.4600	0.137	1.38	2.65	1400.0000	27.40	2
7	33.130	0.850	0.0920	2.0100	0.137	1.38	2.65	2200.0000	18.90	2
8	33.130	0.850	0.0619	2.7600	0.137	1.38	2.65	3000.0000	18.90	5
9	39.076	0.850	0.0710	2.0500	0.137	1.38	2.65	2500.0000	23.50	5
10	34.262	0.850	0.1649	0.3900	0.137	1.38	2.65	3.3000	24.60	2
11	43.607	0.850	0.1609	0.7000	0.137	1.38	2.65	68.0000	23.40	2
12	52.951	0.850	0.1673	1.0500	0.137	1.38	2.65	210.0000	21.90	2
13	63.145	0.850	0.1634	1.2200	0.137	1.38	2.65	670.0000	25.20	2
14	75.037	0.850	0.1686	1.0200	0.137	1.38	2.65	1450.0000	20.70	2
15	108.733	0.850	0.1658	1.0700	0.137	1.38	2.65	1150.0000	24.90	5

VAH - DATA OF VANONI, V.A. AND HWANG (1965)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	5.522	0.267	0.0756	2.3000	0.230	1.43	2.65	120.0000	22.00	2
2	4.842	0.267	0.0738	2.0000	0.230	1.43	2.65	62.0000	21.20	2
3	3.681	0.267	0.0735	1.2000	0.230	1.43	2.65	1.0000	22.00	2
4	7.362	0.267	0.0735	2.8000	0.230	1.43	2.65	488.0000	22.60	2
5	5.720	0.267	0.0738	2.7000	0.230	1.43	2.65	265.0000	25.50	2
6	6.541	0.267	0.0732	2.9000	0.230	1.43	2.65	417.0000	21.70	2
7	8.098	0.267	0.0713	2.7000	0.230	1.43	2.65	619.0000	21.90	2
8	4.304	0.267	0.0704	1.5900	0.230	1.43	2.65	7.0000	21.00	2
9	7.447	0.267	0.0735	2.8600	0.230	1.43	2.65	448.0000	20.90	2
10	63.994	1.100	0.1823	0.6420	0.206	1.46	2.65	31.0000	19.80	2
11	87.496	1.100	0.1795	1.0550	0.206	1.46	2.65	180.0000	20.10	2
12	108.167	1.100	0.1762	1.3030	0.206	1.46	2.65	1490.0000	20.70	2
13	91.177	1.100	0.1795	1.1160	0.206	1.46	2.65	390.0000	21.00	2
14	95.425	1.100	0.1838	1.1000	0.206	1.46	2.65	410.0000	19.20	2
15	121.759	1.100	0.2377	0.8090	0.206	1.46	2.65	261.0000	18.80	2
16	185.470	1.100	0.3706	0.4550	0.206	1.46	2.65	61.0000	20.00	2

WLL - DATA OF WILLIS, J.C. (1979)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	17.273	0.360	0.1128	1.6200	0.540	1.12	2.65	540.0000	16.39	0
2	19.538	0.360	0.1097	2.8400	0.540	1.12	2.65	1299.9988	17.78	0
3	23.502	0.360	0.1067	3.0900	0.540	1.12	2.65	1969.9988	20.00	0
4	28.316	0.360	0.1067	4.4300	0.540	1.12	2.65	3009.9978	18.33	0
5	31.148	0.360	0.1036	5.7700	0.540	1.12	2.65	3879.9978	18.06	0
6	35.678	0.360	0.1097	7.1300	0.540	1.12	2.65	4329.9922	21.11	0
7	47.288	0.360	0.1097	7.9200	0.540	1.12	2.65	6669.9922	26.67	0
8	46.438	0.360	0.1158	8.5800	0.540	1.12	2.65	5689.9922	25.83	0
9	33.979	0.360	0.1067	7.9900	0.540	1.12	2.65	4589.9922	25.56	0
10	25.484	0.360	0.1067	5.1100	0.540	1.12	2.65	2619.9978	25.56	0
11	19.255	0.360	0.1189	2.9200	0.540	1.12	2.65	910.0000	25.00	0
12	21.520	0.360	0.1463	1.4000	0.540	1.12	2.65	510.0000	25.56	0
13	28.599	0.360	0.1280	3.4300	0.540	1.12	2.65	1180.0000	25.56	0
14	48.137	0.360	0.1250	6.1800	0.540	1.12	2.65	5369.9922	25.56	0
15	36.811	0.360	0.1341	4.2400	0.540	1.12	2.65	3159.9978	25.56	0
16	37.943	0.360	0.1219	5.7400	0.540	1.12	2.65	6049.9922	32.22	0
17	35.961	0.360	0.1433	4.3700	0.540	1.12	2.65	2599.9978	37.78	0
18	35.678	0.360	0.1219	5.5900	0.540	1.12	2.65	2609.9978	37.78	0
19	27.750	0.360	0.1372	3.3900	0.540	1.12	2.65	1729.9988	36.67	0
20	20.671	0.360	0.1402	1.4500	0.540	1.12	2.65	630.0000	37.78	0
21	17.556	0.360	0.1494	0.8640	0.540	1.12	2.65	320.0000	37.78	0
22	17.839	0.360	0.1463	0.8310	0.540	1.12	2.65	15.0000	18.33	0
23	24.069	0.360	0.1433	1.8500	0.540	1.12	2.65	640.0000	18.06	0
24	35.395	0.360	0.1280	4.2400	0.540	1.12	2.65	2879.9978	18.89	0
25	45.872	0.360	0.1494	6.0400	0.540	1.12	2.65	5469.9922	18.06	0
26	35.395	0.360	0.1372	3.7800	0.540	1.12	2.65	2119.9988	11.39	0
27	27.467	0.360	0.1372	2.5000	0.540	1.12	2.65	1080.0000	10.83	0
28	20.104	0.360	0.1494	1.1700	0.540	1.12	2.65	170.0000	11.39	0
29	16.423	0.360	0.1372	1.1500	0.540	1.12	2.65	15.0000	11.67	0
30	23.785	0.360	0.1341	1.8600	0.540	1.12	2.65	560.0000	21.39	0
31	31.431	0.360	0.1280	4.0500	0.540	1.12	2.65	1659.9988	22.22	0
32	40.492	0.360	0.1219	5.9700	0.540	1.12	2.65	4009.9978	21.67	0

WLM - DATA OF WILLIAMS, G.P. (1970)
(SHEET 1 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1.048	0.076	0.0308	5.2900	1.349	1.20	2.65	368.6799	21.11	5
2	1.161	0.076	0.0317	6.4000	1.349	1.20	2.65	740.7549	26.11	5
3	1.387	0.076	0.0326	8.4000	1.349	1.20	2.65	1326.7068	24.17	5
4	1.416	0.076	0.0290	13.2000	1.349	1.20	2.65	3243.0000	21.39	7
5	1.642	0.076	0.0296	16.6000	1.349	1.20	2.65	6345.7617	22.22	7
6	1.812	0.076	0.0283	21.3000	1.349	1.20	2.65	10154.4766	23.61	7
7	2.492	0.076	0.0302	26.2000	1.349	1.20	2.65	16086.3203	24.44	7
8	3.115	0.076	0.0927	2.7200	1.349	1.20	2.65	31.5880	18.33	3
9	3.256	0.076	0.0924	2.5800	1.349	1.20	2.65	51.4760	22.78	3
10	3.455	0.076	0.0914	2.9500	1.349	1.20	2.65	74.3660	24.72	3
11	3.370	0.076	0.0896	3.1000	1.349	1.20	2.65	117.8760	24.72	3
12	3.823	0.076	0.0927	3.7100	1.349	1.20	2.65	226.8760	23.89	3
13	4.134	0.076	0.0924	4.3500	1.349	1.20	2.65	271.9238	21.94	3
14	4.587	0.076	0.0933	5.9500	1.349	1.20	2.65	571.9578	20.83	3
15	5.522	0.076	0.0914	9.4200	1.349	1.20	2.65	1220.9099	20.00	4
16	6.145	0.076	0.0930	13.1000	1.349	1.20	2.65	1802.8528	20.29	7
17	6.711	0.076	0.0936	13.3000	1.349	1.20	2.65	1867.9128	19.72	7
18	7.419	0.076	0.0927	17.7000	1.349	1.20	2.65	3659.3308	20.83	7
19	7.645	0.076	0.0890	17.4000	1.349	1.20	2.65	3908.3789	10.56	7
20	7.928	0.076	0.0917	20.8000	1.349	1.20	2.65	4779.9297	20.93	7
21	7.928	0.076	0.0875	20.5000	1.349	1.20	2.65	6273.6523	18.61	7
22	9.061	0.076	0.0893	19.7000	1.349	1.20	2.65	8063.2617	19.72	7
23	9.571	0.076	0.0911	22.2000	1.349	1.20	2.65	7843.2695	20.83	7
24	12.742	0.076	0.0924	28.8000	1.349	1.20	2.65	14256.0469	19.44	5
25	15.291	0.076	0.0936	35.0000	1.349	1.20	2.65	16562.9375	19.72	5
26	5.805	0.076	0.1545	2.3700	1.349	1.20	2.65	11.9270	23.33	5
27	6.088	0.076	0.1527	2.7100	1.349	1.20	2.65	31.4240	23.89	3
28	6.484	0.076	0.1530	2.8800	1.349	1.20	2.65	70.8080	24.17	3
29	6.824	0.076	0.1524	3.6300	1.349	1.20	2.65	129.2250	20.83	3
30	7.532	0.076	0.1527	4.8500	1.349	1.20	2.65	246.7380	20.28	3
31	8.551	0.076	0.1530	6.5100	1.349	1.20	2.65	421.8660	21.11	3
32	9.146	0.076	0.1518	7.6300	1.349	1.20	2.65	647.4368	21.11	3
33	10.760	0.076	0.1539	10.4000	1.349	1.20	2.65	1144.6670	20.28	3
34	12.176	0.076	0.1530	12.3000	1.349	1.20	2.65	1442.5308	18.33	7
35	12.119	0.076	0.1567	15.8000	1.349	1.20	2.65	2164.8870	22.78	7
36	13.025	0.076	0.1509	21.2000	1.349	1.20	2.65	3972.6218	23.06	7
37	16.140	0.076	0.1497	18.8000	1.349	1.20	2.65	4808.9531	17.22	7
38	19.510	0.076	0.1500	23.8000	1.349	1.20	2.65	6882.7813	17.50	7
39	21.718	0.076	0.1433	30.9000	1.349	1.20	2.65	10067.0430	15.00	5
40	8.835	0.076	0.2140	2.5000	1.349	1.20	2.65	7.9610	15.56	3
41	8.778	0.076	0.2146	2.3400	1.349	1.20	2.65	12.7030	17.78	3
42	9.854	0.076	0.2176	3.0000	1.349	1.20	2.65	70.6320	13.33	3
43	12.176	0.076	0.2213	5.3900	1.349	1.20	2.65	290.3018	15.00	3
44	15.715	0.076	0.2167	7.9300	1.349	1.20	2.65	663.1619	18.33	3
45	17.471	0.076	0.2137	10.1000	1.349	1.20	2.65	926.0708	16.94	3
46	19.113	0.076	0.2109	14.6000	1.349	1.20	2.65	2059.0479	17.22	4
47	20.954	0.076	0.2091	18.3000	1.349	1.20	2.65	2852.0608	16.39	7
48	23.276	0.076	0.2070	22.5000	1.349	1.20	2.65	4250.5352	16.67	7
49	1.557	0.152	0.0308	3.8300	1.349	1.20	2.65	34.8630	20.28	5
50	1.812	0.152	0.0308	4.8100	1.349	1.20	2.65	363.9529	21.94	5
51	2.039	0.152	0.0311	5.5800	1.349	1.20	2.65	414.6689	26.39	5
52	2.124	0.152	0.0311	6.1700	1.349	1.20	2.65	837.3459	21.94	5
53	2.350	0.152	0.0317	7.5800	1.349	1.20	2.65	1358.2278	26.67	7
54	2.548	0.152	0.0296	11.7000	1.349	1.20	2.65	3202.9639	22.78	7
55	2.945	0.152	0.0299	16.2000	1.349	1.20	2.65	5741.5625	23.61	7

WLM - DATA OF WILLIAMS, G.P. (1970)
(SHEET 2 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	3.738	0.152	0.0305	20.2000	1.349	1.20	2.65	10431.7266	24.17	7
57	4.162	0.152	0.0299	21.7000	1.349	1.20	2.65	11818.5117	24.17	5
58	5.437	0.152	0.0265	30.3000	1.349	1.20	2.65	26542.4258	8.06	5
59	6.598	0.152	0.0250	36.7000	1.349	1.20	2.65	34575.2344	8.06	5
60	6.088	0.152	0.0893	1.7700	1.349	1.20	2.65	29.9280	20.83	3
61	6.739	0.152	0.0933	1.8300	1.349	1.20	2.65	77.8630	20.28	3
62	7.589	0.152	0.0939	2.5100	1.349	1.20	2.65	174.7880	19.72	3
63	8.495	0.152	0.0914	3.7400	1.349	1.20	2.65	523.3408	18.89	3
64	9.259	0.152	0.0878	5.5300	1.349	1.20	2.65	999.6150	18.61	3
65	10.703	0.152	0.0896	7.9500	1.349	1.20	2.65	1457.1299	17.78	7
66	11.326	0.152	0.0896	9.0100	1.349	1.20	2.65	1885.3149	17.50	7
67	13.648	0.152	0.0936	12.0000	1.349	1.20	2.65	2963.6179	18.33	7
68	15.121	0.152	0.0936	13.6000	1.349	1.20	2.65	4169.1836	18.06	7
69	16.706	0.152	0.0951	14.9000	1.349	1.20	2.65	5169.4297	17.50	7
70	17.613	0.152	0.0914	16.5000	1.349	1.20	2.65	7986.2617	18.06	7
71	21.237	0.152	0.0872	17.9000	1.349	1.20	2.65	11084.5430	10.28	5
72	27.183	0.152	0.0914	23.4000	1.349	1.20	2.65	18365.2148	11.94	5
73	10.534	0.152	0.1503	1.2300	1.349	1.20	2.65	10.0320	22.22	3
74	11.213	0.152	0.1524	1.6100	1.349	1.20	2.65	50.6960	26.39	3
75	11.610	0.152	0.1500	1.9100	1.349	1.20	2.65	71.5640	26.11	3
76	12.459	0.152	0.1542	2.2700	1.349	1.20	2.65	122.2560	26.67	3
77	13.082	0.152	0.1530	2.6000	1.349	1.20	2.65	176.0440	26.11	3
78	13.818	0.152	0.1524	3.0000	1.349	1.20	2.65	186.1790	25.28	3
79	16.140	0.152	0.1503	4.5800	1.349	1.20	2.65	505.7310	24.72	3
80	19.255	0.152	0.1539	6.3900	1.349	1.20	2.65	1021.9539	26.11	3
81	22.370	0.152	0.1561	9.3100	1.349	1.20	2.65	1570.3499	26.39	7
82	23.729	0.152	0.1500	11.1000	1.349	1.20	2.65	2656.7378	11.11	7
83	24.352	0.152	0.1536	14.1000	1.349	1.20	2.65	2932.9468	26.39	7
84	26.277	0.152	0.1463	14.1000	1.349	1.20	2.65	4881.3555	9.72	7
85	35.395	0.152	0.1570	14.4000	1.349	1.20	2.65	5343.2266	11.39	7
86	48.137	0.152	0.1350	23.0000	1.349	1.20	2.65	14761.5547	8.89	5
87	16.282	0.152	0.2134	1.1500	1.349	1.20	2.65	7.8330	16.11	3
88	17.556	0.152	0.2140	1.2700	1.349	1.20	2.65	16.9370	18.61	3
89	18.689	0.152	0.2179	1.4500	1.349	1.20	2.65	23.5930	23.06	3
90	20.529	0.152	0.2167	2.1100	1.349	1.20	2.65	94.4320	23.89	3
91	24.663	0.152	0.2140	3.2400	1.349	1.20	2.65	267.4280	23.89	3
92	30.015	0.152	0.2201	4.5600	1.349	1.20	2.65	526.9019	13.89	3
93	36.528	0.152	0.2115	9.5100	1.349	1.20	2.65	1835.5850	12.50	7
94	46.721	0.152	0.2112	13.5000	1.349	1.20	2.65	4102.4922	11.94	7
95	3.256	0.305	0.0283	4.0700	1.349	1.20	2.65	121.0810	13.89	5
96	3.596	0.305	0.0305	4.1100	1.349	1.20	2.65	293.8599	18.61	5
97	4.021	0.305	0.0305	4.9500	1.349	1.20	2.65	527.4500	19.17	5
98	4.474	0.305	0.0311	5.9000	1.349	1.20	2.65	965.9929	21.11	5
99	4.361	0.305	0.0308	7.5100	1.349	1.20	2.65	1562.6699	12.50	7
100	4.700	0.305	0.0290	10.8000	1.349	1.20	2.65	3069.9658	11.94	7
101	5.408	0.305	0.0308	12.8000	1.349	1.20	2.65	4635.5469	17.50	7
102	6.230	0.305	0.0302	15.1000	1.349	1.20	2.65	6747.3594	15.56	7
103	6.598	0.305	0.0287	19.9000	1.349	1.20	2.65	12371.9531	23.61	7
104	8.268	0.305	0.0296	22.2000	1.349	1.20	2.65	14808.2227	24.72	7
105	11.326	0.305	0.0287	33.1000	1.349	1.20	2.65	32172.6406	19.17	5
106	11.468	0.305	0.0905	1.1000	1.349	1.20	2.65	15.8880	21.39	5
107	12.459	0.305	0.0957	1.2000	1.349	1.20	2.65	18.1340	22.78	3
108	12.459	0.305	0.0954	1.3600	1.349	1.20	2.65	31.5880	19.72	5
109	12.402	0.305	0.0896	1.6200	1.349	1.20	2.65	62.8760	18.61	3
110	12.799	0.305	0.0896	1.8200	1.349	1.20	2.65	97.3720	16.39	3

WLM - DATA OF WILLIAMS, G.P. (1970)
(SHEET 3 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	13.309	0.305	0.0914	2.0000	1.349	1.20	2.65	140.1910	18.33	3
112	14.101	0.305	0.0924	2.1000	1.349	1.20	2.65	186.5750	17.22	3
113	14.243	0.305	0.0927	2.1100	1.349	1.20	2.65	191.8840	17.78	3
114	14.498	0.305	0.0899	2.3600	1.349	1.20	2.65	294.0769	17.22	3
115	15.007	0.305	0.0896	2.7200	1.349	1.20	2.65	449.2019	17.78	3
116	15.602	0.305	0.0884	3.1800	1.349	1.20	2.65	509.1558	16.11	3
117	16.140	0.305	0.0878	3.9700	1.349	1.20	2.65	722.4729	16.11	3
118	18.405	0.305	0.0875	5.0900	1.349	1.20	2.65	1251.2678	15.83	3
119	20.982	0.305	0.0905	5.5700	1.349	1.20	2.65	1330.3230	12.22	3
120	21.520	0.305	0.0893	5.9400	1.349	1.20	2.65	1469.7803	20.28	7
121	21.520	0.305	0.0902	5.9200	1.349	1.20	2.65	1608.6309	21.94	7
122	22.483	0.305	0.0933	6.4300	1.349	1.20	2.65	1555.9548	15.56	3
123	24.352	0.305	0.0936	7.2100	1.349	1.20	2.65	2059.0479	21.67	7
124	29.732	0.305	0.0988	8.2400	1.349	1.20	2.65	2382.6150	23.61	7
125	31.714	0.305	0.0978	10.9000	1.349	1.20	2.65	3742.4729	25.00	7
126	36.811	0.305	0.0988	12.9000	1.349	1.20	2.65	6196.9414	20.28	7
127	55.782	0.305	0.0985	16.2000	1.349	1.20	2.65	14240.8672	19.72	5
128	21.747	0.305	0.1533	1.0600	1.349	1.20	2.65	14.5450	18.89	3
129	23.927	0.305	0.1551	1.3700	1.349	1.20	2.65	61.8320	21.11	3
130	22.511	0.305	0.1478	1.3300	1.349	1.20	2.65	67.0160	26.11	3
131	24.522	0.305	0.1539	1.4400	1.349	1.20	2.65	85.5950	22.78	3
132	25.626	0.305	0.1576	1.7200	1.349	1.20	2.65	136.2270	23.61	3
133	27.183	0.305	0.1561	1.8400	1.349	1.20	2.65	163.5440	23.33	3
134	27.127	0.305	0.1530	2.1600	1.349	1.20	2.65	192.3640	17.78	3
135	29.732	0.305	0.1576	2.5100	1.349	1.20	2.65	276.9910	18.61	3
136	31.148	0.305	0.1536	3.1400	1.349	1.20	2.65	460.9458	20.83	3
137	37.377	0.305	0.1554	4.1600	1.349	1.20	2.65	649.3018	20.83	3
138	46.438	0.305	0.1481	8.4200	1.349	1.20	2.65	2118.6868	18.89	7
139	52.951	0.305	0.1463	11.8000	1.349	1.20	2.65	4431.8984	18.89	7
140	70.507	0.305	0.1454	11.3000	1.349	1.20	2.65	6253.6328	19.17	7
141	33.130	0.305	0.2121	0.8100	1.349	1.20	2.65	10.2730	21.94	3
142	35.112	0.305	0.2167	0.7900	1.349	1.20	2.65	29.6640	16.11	3
143	37.377	0.305	0.2143	1.3100	1.349	1.20	2.65	62.9800	21.39	3
144	40.209	0.305	0.2182	1.7800	1.349	1.20	2.65	105.6710	20.56	3
145	46.438	0.305	0.2155	2.7200	1.349	1.20	2.65	315.4480	18.89	3
146	63.994	0.305	0.2118	4.5400	1.349	1.20	2.65	917.9153	18.89	7
147	79.002	0.305	0.1966	9.5500	1.349	1.20	2.65	2832.1138	20.00	7
148	6.796	0.610	0.0299	4.8900	1.349	1.20	2.65	364.6228	26.67	4
149	8.268	0.610	0.0277	5.6900	1.349	1.20	2.65	624.0598	25.56	4
150	9.911	0.610	0.0277	8.1600	1.349	1.20	2.65	1750.1909	25.00	4
151	10.194	0.610	0.0271	11.7000	1.349	1.20	2.65	3889.3140	26.67	7
152	14.724	0.610	0.0283	17.2000	1.349	1.20	2.65	7671.9375	26.67	7
153	18.122	0.610	0.0302	23.4000	1.349	1.20	2.65	15121.1367	26.11	5
154	24.238	0.610	0.0875	1.1800	1.349	1.20	2.65	40.2910	23.89	3
155	25.484	0.610	0.0893	1.5400	1.349	1.20	2.65	68.6350	25.56	3
156	28.316	0.610	0.0872	2.1000	1.349	1.20	2.65	216.2000	28.33	3
157	33.413	0.610	0.0884	3.3000	1.349	1.20	2.65	540.9358	28.33	3
158	47.854	0.610	0.0881	7.1400	1.349	1.20	2.65	2132.1499	28.33	7
159	62.578	0.610	0.0893	11.3000	1.349	1.20	2.65	4472.1406	24.72	7
160	44.173	0.610	0.1457	1.0600	1.349	1.20	2.65	23.4280	23.61	3
161	48.420	0.610	0.1494	0.9700	1.349	1.20	2.65	39.4350	26.39	3
162	49.836	0.610	0.1512	1.3700	1.349	1.20	2.65	89.2060	26.67	3
163	62.861	0.610	0.1512	2.8100	1.349	1.20	2.65	326.9429	24.72	3
164	73.055	0.610	0.1472	4.4500	1.349	1.20	2.65	722.2629	26.11	3
165	90.894	0.610	0.1494	6.4300	1.349	1.20	2.65	1603.6208	26.67	7

WLM - DATA OF WILLIAMS, G.P. (1970)
(SHEET 4 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	96.841	0.610	0.1378	8.7700	1.349	1.20	2.65	2965.1509	26.11	7
167	63.428	0.610	0.2109	0.6000	1.349	1.20	2.65	13.4430	22.50	3
168	72.772	0.610	0.2076	0.8000	1.349	1.20	2.65	30.0450	26.67	3
169	77.586	0.610	0.2167	1.4700	1.349	1.20	2.65	77.0260	25.23	3
170	79.568	0.610	0.2134	1.7200	1.349	1.20	2.65	133.7280	27.78	3
171	101.938	0.610	0.2140	2.8000	1.349	1.20	2.65	423.2488	27.78	3
172	129.687	0.610	0.2012	5.6000	1.349	1.20	2.65	1305.7639	27.22	7
173	142.458	1.189	0.2225	0.9600	1.349	1.20	2.65	31.1250	28.06	3
174	141.353	1.189	0.2149	0.9120	1.349	1.20	2.65	41.2210	25.00	3
175	150.188	1.189	0.2158	1.1500	1.349	1.20	2.65	69.4550	28.61	3
176	157.918	1.189	0.2115	1.9100	1.349	1.20	2.65	149.3890	27.50	3
177	162.336	1.189	0.2042	2.1400	1.349	1.20	2.65	196.1000	26.11	3

WLS - DATA OF WILLIS, J.C., COLEMAN, N.L. AND ELLIS, W.M. (1972)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	339.792	1.219	0.2560	1.4800	0.100	1.30	2.65	3699.9978	30.00	5
2	339.792	1.219	0.3018	0.9230	0.100	1.30	2.65	1950.0000	30.56	5
3	339.792	1.219	0.2103	1.4400	0.100	1.30	2.65	14039.9883	30.00	7
4	339.792	1.219	0.3048	0.6920	0.100	1.30	2.65	2190.0000	28.33	5
5	199.345	1.219	0.1951	1.0200	0.100	1.30	2.65	2829.9978	28.33	5
6	197.079	1.219	0.2743	0.9620	0.100	1.30	2.65	2100.0000	21.67	3
7	197.079	1.219	0.3353	0.5190	0.100	1.30	2.65	582.0000	20.56	3
8	169.896	1.219	0.3353	0.4420	0.100	1.30	2.65	198.0000	22.22	3
9	226.528	1.219	0.3200	0.6540	0.100	1.30	2.65	1260.0000	23.33	3
10	254.844	1.219	0.3048	0.5000	0.100	1.30	2.65	1739.9988	22.22	3
11	283.160	1.219	0.2835	0.6540	0.100	1.30	2.65	1709.9988	22.78	5
12	311.476	1.219	0.2865	0.6920	0.100	1.30	2.65	2019.9988	24.17	5
13	368.108	1.219	0.2896	0.8850	0.100	1.30	2.65	3389.9978	23.89	5
14	396.424	1.219	0.2896	1.1500	0.100	1.30	2.65	5000.0000	23.06	5
15	424.740	1.219	0.2804	1.8700	0.100	1.30	2.65	6779.9922	25.56	5
16	453.056	1.219	0.2774	1.1000	0.100	1.30	2.65	8369.9922	26.11	5
17	453.056	1.219	0.3048	1.1900	0.100	1.30	2.65	5469.9922	22.78	5
18	424.740	1.219	0.3048	0.8270	0.100	1.30	2.65	3969.9978	25.83	5
19	396.424	1.219	0.3170	0.7120	0.100	1.30	2.65	2919.9978	25.00	5
20	368.108	1.219	0.3078	0.4420	0.100	1.30	2.65	2249.9988	24.44	5
21	339.792	1.219	0.3078	0.4620	0.100	1.30	2.65	1599.9988	25.83	5
22	311.476	1.219	0.3048	0.5380	0.100	1.30	2.65	1289.9988	26.11	5
23	283.160	1.219	0.3200	0.4810	0.100	1.30	2.65	1360.0000	25.00	3
24	254.844	1.219	0.3658	0.5190	0.100	1.30	2.65	912.0000	26.67	3
25	227.661	1.219	0.3749	0.5380	0.100	1.30	2.65	577.0000	26.94	3
26	193.681	1.219	0.3780	0.3460	0.100	1.30	2.65	159.0000	27.78	3
27	141.580	1.219	0.3048	0.3080	0.100	1.30	2.65	87.0000	26.67	3
28	169.896	1.219	0.3170	0.4620	0.100	1.30	2.65	293.0000	26.67	3
29	193.681	1.219	0.3139	0.6350	0.100	1.30	2.65	736.9988	25.28	3
30	198.212	1.219	0.3139	0.6150	0.100	1.30	2.65	783.9988	25.83	3
31	226.528	1.219	0.2987	0.7690	0.100	1.30	2.65	1429.9988	23.89	3
32	253.711	1.219	0.2621	0.7500	0.100	1.30	2.65	1630.0000	25.00	3
33	283.160	1.219	0.2713	0.6730	0.100	1.30	2.65	1699.9988	25.56	5
34	311.476	1.219	0.2743	0.7880	0.100	1.30	2.65	3089.9978	26.39	5
35	339.792	1.219	0.2743	0.8080	0.100	1.30	2.65	3709.9978	24.72	5
36	368.108	1.219	0.2713	0.9810	0.100	1.30	2.65	4889.9922	23.33	5
37	396.424	1.219	0.2743	1.1300	0.100	1.30	2.65	5889.9922	23.89	5
38	424.740	1.219	0.2713	1.9800	0.100	1.30	2.65	6589.9922	24.17	5
39	453.056	1.219	0.2682	1.2900	0.100	1.30	2.65	11299.9805	21.11	5
40	447.393	1.219	0.2438	1.6700	0.100	1.30	2.65	18599.9883	24.44	7
41	480.239	1.219	0.2896	1.5000	0.100	1.30	2.65	11699.9805	22.22	5
42	479.106	1.219	0.2499	1.3800	0.100	1.30	2.65	19399.9883	23.06	5
43	422.475	1.219	0.2377	1.2100	0.100	1.30	2.65	14099.9922	24.44	5
44	396.424	1.219	0.2408	1.4000	0.100	1.30	2.65	13399.9805	17.50	5
45	366.975	1.219	0.2438	1.1300	0.100	1.30	2.65	8099.9922	21.94	5
46	338.659	1.219	0.2469	1.0800	0.100	1.30	2.65	6349.9922	21.67	5
47	311.476	1.219	0.2438	1.1200	0.100	1.30	2.65	4659.9922	22.22	5
48	283.160	1.219	0.2438	0.8070	0.100	1.30	2.65	3229.9978	21.39	5
49	254.844	1.219	0.2377	0.5380	0.100	1.30	2.65	2359.9988	21.67	5
50	226.528	1.219	0.2377	0.5380	0.100	1.30	2.65	2719.9978	20.83	3
51	169.896	1.219	0.2865	0.7300	0.100	1.30	2.65	829.0000	21.94	3
52	199.345	1.219	0.2865	0.8840	0.100	1.30	2.65	1749.9988	22.22	3
53	226.528	1.219	0.2469	0.7880	0.100	1.30	2.65	2060.0000	19.44	3
54	141.580	1.219	0.2896	0.7120	0.100	1.30	2.65	213.0000	20.83	3
55	114.397	1.219	0.2621	0.2690	0.100	1.30	2.65	102.0000	21.11	3

WLS - DATA OF WILLIS, J.C., COLEMAN, N.L. AND ELLIS, W.M. (1972)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	141.580	1.219	0.2591	0.7110	0.100	1.30	2.65	458.0000	21.39	3
57	169.896	1.219	0.2591	1.0000	0.100	1.30	2.65	1379.9988	23.06	3
58	226.528	1.219	0.2286	0.9800	0.100	1.30	2.65	2040.0000	26.39	3
59	254.844	1.219	0.2408	0.8260	0.100	1.30	2.65	2339.9988	25.56	5
60	283.160	1.219	0.2316	0.8460	0.100	1.30	2.65	3139.9978	26.11	5
61	212.936	1.219	0.2286	0.5760	0.100	1.30	2.65	1760.0000	25.56	3
62	311.476	1.219	0.2347	1.1000	0.100	1.30	2.65	4149.9922	25.28	5
63	339.792	1.219	0.2316	1.2900	0.100	1.30	2.65	5829.9922	21.11	5
64	169.896	1.219	0.1768	0.8270	0.100	1.30	2.65	2280.0000	23.89	5
65	113.264	1.219	0.1981	0.8080	0.100	1.30	2.65	994.0000	23.61	3
66	126.856	1.219	0.1951	0.9620	0.100	1.30	2.65	1530.0000	23.89	3
67	78.152	1.219	0.1463	1.2100	0.100	1.30	2.65	993.0000	26.11	3
68	83.815	1.219	0.1433	1.3200	0.100	1.30	2.65	1350.0000	24.44	3
69	126.856	1.219	0.1372	1.2700	0.100	1.30	2.65	3159.9978	24.17	5
70	141.580	1.219	0.1280	1.0200	0.100	1.30	2.65	4379.9922	24.17	7
71	169.896	1.219	0.1311	1.7600	0.100	1.30	2.65	10999.9883	25.00	7
72	126.856	1.219	0.1036	1.7500	0.100	1.30	2.65	10599.9883	25.56	7
73	113.264	1.219	0.1097	1.4200	0.100	1.30	2.65	5809.9922	24.72	7
74	99.672	1.219	0.1189	1.3300	0.100	1.30	2.65	3449.9978	23.89	5
75	84.948	1.219	0.1433	1.3800	0.100	1.30	2.65	1089.9988	22.50	3
76	84.948	1.219	0.1676	0.9810	0.100	1.30	2.65	480.0000	22.50	3
77	169.896	1.219	0.1615	1.0800	0.100	1.30	2.65	3279.9978	21.11	5
78	183.488	1.219	0.1585	1.1200	0.100	1.30	2.65	4459.9922	21.11	7
79	198.212	1.219	0.1494	1.1200	0.100	1.30	2.65	6849.9922	21.67	7
80	211.804	1.219	0.1524	1.1200	0.100	1.30	2.65	9129.9922	21.67	7
81	211.804	1.219	0.1890	1.0600	0.100	1.30	2.65	3449.9978	22.22	5
82	226.528	1.219	0.1829	1.1000	0.100	1.30	2.65	4659.9922	22.22	7
83	240.120	1.219	0.1859	1.1900	0.100	1.30	2.65	5589.9922	22.22	7
84	254.844	1.219	0.1829	1.5400	0.100	1.30	2.65	7859.9922	23.06	7
85	269.568	1.219	0.1768	1.2300	0.100	1.30	2.65	10099.9883	21.67	7
86	283.160	1.219	0.1798	1.4400	0.100	1.30	2.65	13599.9883	21.67	7
87	311.476	1.219	0.2103	1.8100	0.100	1.30	2.65	10000.0000	22.78	7
88	113.264	1.219	0.2316	0.5770	0.100	1.30	2.65	241.0000	22.22	3
89	141.580	1.219	0.2316	0.8650	0.100	1.30	2.65	1080.0000	22.22	3
90	156.304	1.219	0.2286	0.8650	0.100	1.30	2.65	1509.9988	21.11	3
91	198.212	1.219	0.2073	0.6150	0.100	1.30	2.65	1889.9988	22.22	3
92	226.528	1.219	0.2134	0.7500	0.100	1.30	2.65	2370.0000	21.67	3
93	254.844	1.219	0.2103	0.8080	0.100	1.30	2.65	3479.9978	22.50	5
94	283.160	1.219	0.2103	0.9810	0.100	1.30	2.65	4889.9922	22.78	5
95	311.476	1.219	0.2042	1.2100	0.100	1.30	2.65	8079.9922	23.06	7
96	339.792	1.219	0.2134	2.0400	0.100	1.30	2.65	12479.9805	24.17	7

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPN	TEMP. DEG. C	BF
1	8.127	0.736	0.0344	1.0000	0.420	1.94	2.65	7.5000	27.00	5
2	8.721	0.736	0.0360	1.0000	0.420	1.94	2.65	17.5000	27.00	5
3	9.654	0.736	0.0387	1.0000	0.420	1.94	2.65	40.1000	27.00	5
4	11.100	0.736	0.0427	1.0000	0.420	1.94	2.65	49.4000	27.00	5
5	12.317	0.736	0.0475	1.0000	0.420	1.94	2.65	51.9000	27.00	5
6	13.875	0.736	0.0506	1.0000	0.420	1.94	2.65	72.4000	27.00	5
7	15.121	0.736	0.0549	1.0000	0.420	1.94	2.65	83.6000	27.00	5
8	16.848	0.736	0.0570	1.0000	0.420	1.94	2.65	101.2000	27.00	5
9	18.434	0.736	0.0628	1.0000	0.420	1.94	2.65	90.9000	27.00	2
10	20.388	0.736	0.0652	1.0000	0.420	1.94	2.65	129.9000	27.00	2
11	21.577	0.736	0.0692	1.0000	0.420	1.94	2.65	115.7000	27.00	2
12	23.361	0.736	0.0732	1.0000	0.420	1.94	2.65	112.1000	27.00	2
13	26.475	0.736	0.0768	1.0000	0.420	1.94	2.65	154.1000	27.00	2
14	28.316	0.736	0.0841	1.0000	0.420	1.94	2.65	106.5000	27.00	2
15	29.732	0.736	0.0887	1.0000	0.420	1.94	2.65	121.8000	27.00	2
16	31.572	0.736	0.0920	1.0000	0.420	1.94	2.65	109.9000	27.00	2
17	32.847	0.736	0.0945	1.0000	0.420	1.94	2.65	127.0000	27.00	2
18	35.678	0.736	0.0981	1.0000	0.420	1.94	2.65	171.5000	27.00	2
19	3.794	0.736	0.0189	1.5000	0.420	1.94	2.65	8.0000	27.00	5
20	4.785	0.736	0.0216	1.5000	0.420	1.94	2.65	31.9000	27.00	5
21	6.145	0.736	0.0259	1.5000	0.420	1.94	2.65	79.2000	27.00	5
22	6.824	0.736	0.0274	1.5000	0.420	1.94	2.65	84.7000	27.00	5
23	7.560	0.736	0.0302	1.5000	0.420	1.94	2.65	84.6000	27.00	5
24	8.691	0.736	0.0329	1.5000	0.420	1.94	2.65	119.9000	27.00	2
25	9.571	0.736	0.0360	1.5000	0.420	1.94	2.65	124.0000	27.00	2
26	10.335	0.736	0.0381	1.5000	0.420	1.94	2.65	111.9000	27.00	2
27	11.043	0.736	0.0405	1.5000	0.420	1.94	2.65	124.0000	27.00	2
28	11.779	0.736	0.0418	1.5000	0.420	1.94	2.65	137.0000	27.00	2
29	13.082	0.736	0.0448	1.5000	0.420	1.94	2.65	169.9000	27.00	2
30	13.875	0.736	0.0466	1.5000	0.420	1.94	2.65	210.7000	27.00	2
31	14.894	0.736	0.0485	1.5000	0.420	1.94	2.65	233.0000	27.00	2
32	15.914	0.736	0.0503	1.5000	0.420	1.94	2.65	233.4000	27.00	2
33	17.188	0.736	0.0533	1.5000	0.420	1.94	2.65	239.1000	27.00	2
34	18.349	0.736	0.0558	1.5000	0.420	1.94	2.65	210.7000	27.00	2
35	19.283	0.736	0.0579	1.5000	0.420	1.94	2.65	216.3000	27.00	2
36	21.152	0.736	0.0622	1.5000	0.420	1.94	2.65	223.1000	27.00	2
37	22.171	0.736	0.0643	1.5000	0.420	1.94	2.65	232.1000	27.00	2
38	23.049	0.736	0.0661	1.5000	0.420	1.94	2.65	243.0000	27.00	2
39	23.644	0.736	0.0664	1.5000	0.420	1.94	2.65	275.5999	27.00	2
40	24.918	0.736	0.0692	1.5000	0.420	1.94	2.65	289.5999	27.00	2
41	25.541	0.736	0.0725	1.5000	0.420	1.94	2.65	187.1000	27.00	2
42	30.185	0.736	0.0783	1.5000	0.420	1.94	2.65	288.5000	27.00	2
43	31.289	0.736	0.0823	1.5000	0.420	1.94	2.65	250.1000	27.00	2
44	3.285	0.736	0.0162	2.0000	0.420	1.94	2.65	9.2000	27.00	5
45	4.304	0.736	0.0192	2.0000	0.420	1.94	2.65	60.1000	27.00	5
46	5.210	0.736	0.0213	2.0000	0.420	1.94	2.65	122.7000	27.00	5
47	6.286	0.736	0.0247	2.0000	0.420	1.94	2.65	135.7000	27.00	5
48	7.306	0.736	0.0265	2.0000	0.420	1.94	2.65	200.0000	27.00	2
49	8.410	0.736	0.0302	2.0000	0.420	1.94	2.65	183.3000	27.00	2
50	9.401	0.736	0.0329	2.0000	0.420	1.94	2.65	168.4000	27.00	2
51	10.279	0.736	0.0354	2.0000	0.420	1.94	2.65	237.2998	27.00	2
52	11.326	0.736	0.0378	2.0000	0.420	1.94	2.65	336.0000	27.00	2
53	11.836	0.736	0.0399	2.0000	0.420	1.94	2.65	239.3000	27.00	2
54	14.300	0.736	0.0430	2.0000	0.420	1.94	2.65	361.5999	27.00	2
55	16.225	0.736	0.0482	2.0000	0.420	1.94	2.65	307.7998	27.00	2

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	18.349	0.736	0.0543	2.0000	0.420	1.94	2.65	257.2000	27.00	2
57	20.812	0.736	0.0573	2.0000	0.420	1.94	2.65	327.7000	27.00	2
58	22.228	0.736	0.0604	2.0000	0.420	1.94	2.65	352.0000	27.00	2
59	24.352	0.736	0.0637	2.0000	0.420	1.94	2.65	405.0999	27.00	2
60	27.098	0.736	0.0671	2.0000	0.420	1.94	2.65	368.5000	27.00	2
61	7.560	0.736	0.0363	1.0000	0.445	1.57	2.65	24.2000	27.00	5
62	8.920	0.736	0.0399	1.0000	0.445	1.57	2.65	37.6000	27.00	5
63	11.043	0.736	0.0460	1.0000	0.445	1.57	2.65	74.4000	27.00	5
64	13.309	0.736	0.0524	1.0000	0.445	1.57	2.65	91.5000	27.00	5
65	15.857	0.736	0.0588	1.0000	0.445	1.57	2.65	105.6000	27.00	2
66	21.039	0.736	0.0722	1.0000	0.445	1.57	2.65	101.3000	27.00	2
67	23.616	0.736	0.0777	1.0000	0.445	1.57	2.65	103.1000	27.00	2
68	25.484	0.736	0.0823	1.0000	0.445	1.57	2.65	115.9000	27.00	2
69	28.174	0.736	0.0872	1.0000	0.445	1.57	2.65	104.8000	27.00	2
70	30.779	0.736	0.0927	1.0000	0.445	1.57	2.65	149.4000	27.00	2
71	33.413	0.736	0.0978	1.0000	0.445	1.57	2.65	144.0000	27.00	2
72	36.811	0.736	0.1070	1.0000	0.445	1.57	2.65	165.4000	27.00	2
73	40.492	0.736	0.1167	1.0000	0.445	1.57	2.65	213.5000	27.00	2
74	6.428	0.736	0.0296	1.5000	0.445	1.57	2.65	56.8000	27.00	5
75	8.410	0.736	0.0347	1.5000	0.445	1.57	2.65	159.3000	27.00	5
76	11.666	0.736	0.0427	1.5000	0.445	1.57	2.65	172.2000	27.00	2
77	13.478	0.736	0.0479	1.5000	0.445	1.57	2.65	171.7000	27.00	2
78	21.520	0.736	0.0664	1.5000	0.445	1.57	2.65	198.0000	27.00	2
79	23.672	0.736	0.0713	1.5000	0.445	1.57	2.65	141.5000	27.00	2
80	26.136	0.736	0.0765	1.5000	0.445	1.57	2.65	223.7000	27.00	2
81	29.449	0.736	0.0826	1.5000	0.445	1.57	2.65	326.7000	27.00	2
82	34.715	0.736	0.0939	1.5000	0.445	1.57	2.65	264.7998	27.00	2
83	39.359	0.736	0.1021	1.5000	0.445	1.57	2.65	205.8000	27.00	2
84	41.341	0.736	0.1100	1.5000	0.445	1.57	2.65	135.5000	27.00	2
85	51.422	0.736	0.1259	1.5000	0.445	1.57	2.65	392.5000	27.00	2
86	4.247	0.736	0.0219	2.0000	0.445	1.57	2.65	7.1000	27.00	5
87	5.295	0.736	0.0250	2.0000	0.445	1.57	2.65	212.8000	27.00	5
88	6.824	0.736	0.0280	2.0000	0.445	1.57	2.65	214.1000	27.00	2
89	8.127	0.736	0.0314	2.0000	0.445	1.57	2.65	243.5000	27.00	2
90	10.732	0.736	0.0390	2.0000	0.445	1.57	2.65	133.3000	27.00	2
91	12.912	0.736	0.0445	2.0000	0.445	1.57	2.65	238.1000	27.00	2
92	15.574	0.736	0.0503	2.0000	0.445	1.57	2.65	273.7000	27.00	2
93	18.689	0.736	0.0588	2.0000	0.445	1.57	2.65	322.5999	27.00	2
94	21.237	0.736	0.0640	2.0000	0.445	1.57	2.65	392.7998	27.00	2
95	23.219	0.736	0.0680	2.0000	0.445	1.57	2.65	394.7000	27.00	2
96	26.164	0.736	0.0716	2.0000	0.445	1.57	2.65	311.8999	27.00	2
97	28.259	0.736	0.0756	2.0000	0.445	1.57	2.65	273.5999	27.00	2
98	30.581	0.736	0.0805	2.0000	0.445	1.57	2.65	520.7000	27.00	3
99	35.055	0.736	0.0875	2.0000	0.445	1.57	2.65	411.7000	27.00	3
100	36.754	0.736	0.0920	2.0000	0.445	1.57	2.65	296.5000	27.00	3
101	5.267	0.705	0.0290	1.0000	0.475	1.46	2.65	2.8000	17.50	5
102	5.861	0.705	0.0305	1.0000	0.475	1.46	2.65	1.4000	16.00	5
103	6.654	0.705	0.0329	1.0000	0.475	1.46	2.65	8.8000	16.20	5
104	7.362	0.705	0.0357	1.0000	0.475	1.46	2.65	8.0000	16.40	5
105	8.466	0.705	0.0384	1.0000	0.475	1.46	2.65	17.2000	16.40	5
106	9.373	0.705	0.0415	1.0000	0.475	1.46	2.65	31.1000	16.50	5
107	11.298	0.705	0.0469	1.0000	0.475	1.46	2.65	51.6000	16.80	2
108	16.621	0.705	0.0850	1.0000	0.475	1.46	2.65	5.3000	17.00	2
109	20.642	0.705	0.0985	1.0000	0.475	1.46	2.65	15.5000	17.00	2
110	24.635	0.705	0.1024	1.0000	0.475	1.46	2.65	49.7000	16.80	2

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	29.732	0.705	0.1128	1.0000	0.475	1.46	2.65	67.7000	17.00	2
112	35.678	0.705	0.1244	1.0000	0.475	1.46	2.65	105.4000	17.00	3
113	41.058	0.705	0.1335	1.0000	0.475	1.46	2.65	85.2000	17.00	3
114	48.732	0.705	0.1451	1.0000	0.475	1.46	2.65	109.5000	17.00	3
115	55.924	0.705	0.1679	1.0000	0.475	1.46	2.65	159.0000	17.00	3
116	64.192	0.705	0.1899	1.0000	0.475	1.46	2.65	144.9000	17.00	3
117	4.984	0.705	0.0265	1.5000	0.475	1.46	2.65	5.8000	19.00	5
118	5.522	0.705	0.0280	1.5000	0.475	1.46	2.65	15.8000	19.20	5
119	5.946	0.705	0.0302	1.5000	0.475	1.46	2.65	58.8000	19.40	5
120	6.796	0.705	0.0320	1.5000	0.475	1.46	2.65	73.0000	19.50	5
121	7.079	0.705	0.0332	1.5000	0.475	1.46	2.65	65.9000	19.00	5
122	7.787	0.705	0.0354	1.5000	0.475	1.46	2.65	97.4000	19.00	2
123	9.769	0.705	0.0591	1.5000	0.475	1.46	2.65	14.9000	19.00	2
124	12.742	0.705	0.0692	1.5000	0.475	1.46	2.65	13.7000	19.00	2
125	16.423	0.705	0.0759	1.5000	0.475	1.46	2.65	58.6000	18.50	2
126	20.388	0.705	0.0792	1.5000	0.475	1.46	2.65	100.1000	18.50	3
127	24.352	0.705	0.0856	1.5000	0.475	1.46	2.65	112.6000	19.00	3
128	29.165	0.705	0.0963	1.5000	0.475	1.46	2.65	195.0000	18.50	3
129	34.687	0.705	0.1183	1.5000	0.475	1.46	2.65	186.6000	18.50	3
130	41.766	0.705	0.1344	1.5000	0.475	1.46	2.65	291.7998	18.50	3
131	3.143	0.705	0.0171	2.0000	0.475	1.46	2.65	2.7000	16.70	5
132	3.681	0.705	0.0186	2.0000	0.475	1.46	2.65	7.9000	16.70	5
133	4.247	0.705	0.0201	2.0000	0.475	1.46	2.65	20.6000	16.80	5
134	5.238	0.705	0.0238	2.0000	0.475	1.46	2.65	133.6000	16.80	5
135	5.833	0.705	0.0268	2.0000	0.475	1.46	2.65	194.9000	16.20	2
136	7.107	0.705	0.0387	2.0000	0.475	1.46	2.65	106.7000	16.20	2
137	7.957	0.705	0.0433	2.0000	0.475	1.46	2.65	98.9000	16.00	2
138	9.004	0.705	0.0475	2.0000	0.475	1.46	2.65	68.0000	16.10	2
139	9.203	0.705	0.0494	2.0000	0.475	1.46	2.65	82.4000	10.80	2
140	11.610	0.705	0.0543	2.0000	0.475	1.46	2.65	27.6000	16.10	2
141	17.867	0.705	0.0655	2.0000	0.475	1.46	2.65	195.9000	16.00	3
142	21.803	0.705	0.0668	2.0000	0.475	1.46	2.65	248.8000	15.80	3
143	26.334	0.705	0.0704	2.0000	0.475	1.46	2.65	425.2000	16.00	3
144	31.997	0.705	0.0847	2.0000	0.475	1.46	2.65	417.3999	16.00	3
145	38.255	0.705	0.1003	2.0000	0.475	1.46	2.65	382.5999	16.00	3
146	6.314	0.705	0.0323	1.0000	0.432	1.77	2.65	4.6000	16.90	5
147	7.079	0.705	0.0344	1.0000	0.432	1.77	2.65	16.4000	16.60	5
148	8.976	0.705	0.0402	1.0000	0.432	1.77	2.65	58.5000	16.50	5
149	10.760	0.705	0.0448	1.0000	0.432	1.77	2.65	67.8000	16.50	5
150	12.601	0.705	0.0509	1.0000	0.432	1.77	2.65	62.5000	16.50	5
151	14.611	0.705	0.0777	1.0000	0.432	1.77	2.65	18.0000	16.50	2
152	16.140	0.705	0.0844	1.0000	0.432	1.77	2.65	14.5000	16.90	2
153	17.981	0.705	0.0933	1.0000	0.432	1.77	2.65	11.3000	17.00	2
154	22.115	0.705	0.1070	1.0000	0.432	1.77	2.65	14.5000	17.00	2
155	27.467	0.705	0.1183	1.0000	0.432	1.77	2.65	22.3000	17.00	3
156	33.979	0.705	0.1292	1.0000	0.432	1.77	2.65	37.8000	17.50	3
157	42.049	0.705	0.1396	1.0000	0.432	1.77	2.65	64.5000	17.50	3
158	47.571	0.705	0.1484	1.0000	0.432	1.77	2.65	66.8000	17.80	3
159	55.499	0.705	0.1606	1.0000	0.432	1.77	2.65	116.6000	17.90	3
160	3.681	0.705	0.0201	1.5000	0.432	1.77	2.65	39.7000	17.30	5
161	5.069	0.705	0.0247	1.5000	0.432	1.77	2.65	28.8000	17.20	5
162	5.805	0.705	0.0268	1.5000	0.432	1.77	2.65	50.2000	17.20	5
163	7.164	0.705	0.0299	1.5000	0.432	1.77	2.65	85.5000	17.20	5
164	7.928	0.705	0.0341	1.5000	0.432	1.77	2.65	147.2000	17.10	2
165	9.061	0.705	0.0585	1.5000	0.432	1.77	2.65	3.2000	17.00	2

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	10.760	0.705	0.0661	1.5000	0.432	1.77	2.65	8.1000	17.00	2
167	12.176	0.705	0.0710	1.5000	0.432	1.77	2.65	21.6000	17.00	2
168	13.790	0.705	0.0735	1.5000	0.432	1.77	2.65	48.6000	16.80	2
169	16.423	0.705	0.0783	1.5000	0.432	1.77	2.65	56.8000	16.80	3
170	19.255	0.705	0.0860	1.5000	0.432	1.77	2.65	59.7000	16.00	3
171	23.361	0.705	0.0963	1.5000	0.432	1.77	2.65	66.2000	16.00	3
172	28.316	0.705	0.1039	1.5000	0.432	1.77	2.65	107.1000	16.10	3
173	4.106	0.705	0.0201	2.0000	0.432	1.77	2.65	14.3000	15.30	5
174	4.814	0.705	0.0223	2.0000	0.432	1.77	2.65	78.7000	15.30	5
175	5.267	0.705	0.0238	2.0000	0.432	1.77	2.65	116.3000	15.30	5
176	6.399	0.705	0.0271	2.0000	0.432	1.77	2.65	196.0000	15.30	2
177	9.061	0.705	0.0539	2.0000	0.432	1.77	2.65	25.8000	15.30	2
178	10.194	0.705	0.0591	2.0000	0.432	1.77	2.65	123.0000	15.40	2
179	13.224	0.705	0.0664	2.0000	0.432	1.77	2.65	110.3000	15.60	2
180	16.848	0.705	0.0735	2.0000	0.432	1.77	2.65	133.3000	15.60	3
181	20.303	0.705	0.0802	2.0000	0.432	1.77	2.65	195.3000	15.60	3
182	24.069	0.705	0.0875	2.0000	0.432	1.77	2.65	173.2000	15.60	3
183	7.900	0.705	0.0366	1.0000	0.400	1.66	2.65	25.8000	15.90	5
184	9.033	0.705	0.0399	1.0000	0.400	1.66	2.65	35.5000	16.00	2
185	20.671	0.705	0.1027	1.0000	0.400	1.66	2.65	1.4000	16.00	2
186	23.502	0.705	0.1106	1.0000	0.400	1.66	2.65	6.2000	16.10	2
187	28.571	0.705	0.1228	1.0000	0.400	1.66	2.65	20.4000	16.10	2
188	34.687	0.705	0.1359	1.0000	0.400	1.66	2.65	30.3000	16.20	2
189	39.642	0.705	0.1475	1.0000	0.400	1.66	2.65	41.9000	16.20	2
190	47.429	0.705	0.1591	1.0000	0.400	1.66	2.65	75.5000	16.00	3
191	51.450	0.705	0.1676	1.0000	0.400	1.66	2.65	75.9000	16.00	3
192	58.869	0.705	0.1704	1.0000	0.400	1.66	2.65	149.6000	16.00	3
193	3.993	0.705	0.0216	1.5000	0.400	1.66	2.65	21.9000	15.80	5
194	5.040	0.705	0.0244	1.5000	0.400	1.66	2.65	69.4000	15.80	5
195	6.173	0.705	0.0280	1.5000	0.400	1.66	2.65	94.5000	15.80	5
196	7.022	0.705	0.0308	1.5000	0.400	1.66	2.65	116.3000	15.80	2
197	15.177	0.705	0.0792	1.5000	0.400	1.66	2.65	30.7000	15.50	2
198	18.009	0.705	0.0872	1.5000	0.400	1.66	2.65	56.7000	15.50	2
199	22.653	0.705	0.0985	1.5000	0.400	1.66	2.65	69.5000	15.50	3
200	27.467	0.705	0.1079	1.5000	0.400	1.66	2.65	92.4000	15.50	3
201	33.271	0.705	0.1183	1.5000	0.400	1.66	2.65	80.6000	15.50	3
202	39.359	0.705	0.1268	1.5000	0.400	1.66	2.65	123.7000	15.60	3
203	46.721	0.705	0.1359	1.5000	0.400	1.66	2.65	164.1000	15.80	3
204	3.624	0.705	0.0186	2.0000	0.400	1.66	2.65	8.0000	15.60	5
205	4.219	0.705	0.0201	2.0000	0.400	1.66	2.65	20.7000	15.60	5
206	4.870	0.705	0.0226	2.0000	0.400	1.66	2.65	59.8000	15.80	5
207	9.769	0.705	0.0576	2.0000	0.400	1.66	2.65	11.9000	16.00	2
208	12.799	0.705	0.0677	2.0000	0.400	1.66	2.65	52.4000	16.00	2
209	15.432	0.705	0.0762	2.0000	0.400	1.66	2.65	71.8000	16.10	2
210	19.255	0.705	0.0826	2.0000	0.400	1.66	2.65	127.2000	16.20	3
211	23.219	0.705	0.0902	2.0000	0.400	1.66	2.65	130.6000	16.30	3
212	28.033	0.705	0.0988	2.0000	0.400	1.66	2.65	159.2000	16.40	3
213	33.668	0.705	0.1079	2.0000	0.400	1.66	2.65	237.3000	16.50	3
214	39.926	0.705	0.1140	2.0000	0.400	1.66	2.65	238.1000	16.60	3
215	11.525	0.736	0.0710	1.0000	0.320	1.31	2.65	7.9000	18.00	2
216	14.271	0.736	0.0747	1.0000	0.320	1.31	2.65	12.8000	18.00	2
217	15.970	0.736	0.0856	1.0000	0.320	1.31	2.65	3.8000	18.00	2
218	18.490	0.736	0.0942	1.0000	0.320	1.31	2.65	9.9000	18.00	2
219	20.897	0.736	0.1000	1.0000	0.320	1.31	2.65	13.1000	18.00	2
220	23.587	0.736	0.1079	1.0000	0.320	1.31	2.65	6.5000	18.00	2

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	26.532	0.736	0.1146	1.0000	0.320	1.31	2.65	9.2000	18.00	2
222	29.619	0.736	0.1192	1.0000	0.320	1.31	2.65	15.4000	18.00	2
223	31.855	0.736	0.1244	1.0000	0.320	1.31	2.65	15.3000	18.00	2
224	34.461	0.736	0.1311	1.0000	0.320	1.31	2.65	18.6000	18.00	2
225	37.094	0.736	0.1353	1.0000	0.320	1.31	2.65	21.3000	18.00	2
226	38.821	0.736	0.1439	1.0000	0.320	1.31	2.65	29.8000	18.00	2
227	41.935	0.736	0.1497	1.0000	0.320	1.31	2.65	26.9000	18.00	2
228	44.315	0.736	0.1600	1.0000	0.320	1.31	2.65	23.4000	18.00	2
229	9.259	0.736	0.0573	1.5000	0.320	1.31	2.65	6.6000	20.00	2
230	10.024	0.736	0.0622	1.5000	0.320	1.31	2.65	6.1000	20.00	2
231	11.893	0.736	0.0686	1.5000	0.320	1.31	2.65	2.5000	20.00	2
232	13.224	0.736	0.0710	1.5000	0.320	1.31	2.65	11.5000	20.90	2
233	15.999	0.736	0.0789	1.5000	0.320	1.31	2.65	9.5000	20.00	2
234	19.057	0.736	0.0872	1.5000	0.320	1.31	2.65	24.0000	20.00	2
235	22.738	0.736	0.0948	1.5000	0.320	1.31	2.65	28.1000	20.00	2
236	26.617	0.736	0.1024	1.5000	0.320	1.31	2.65	32.0000	20.00	2
237	30.298	0.736	0.1113	1.5000	0.320	1.31	2.65	34.2000	20.00	2
238	33.413	0.736	0.1146	1.5000	0.320	1.31	2.65	62.0000	20.00	2
239	35.763	0.736	0.1216	1.5000	0.320	1.31	2.65	53.6000	20.00	2
240	38.170	0.736	0.1259	1.5000	0.320	1.31	2.65	67.8000	20.00	2
241	39.642	0.736	0.1298	1.5000	0.320	1.31	2.65	69.9000	20.00	2
242	42.474	0.736	0.1359	1.5000	0.320	1.31	2.65	49.5000	20.00	2
243	46.580	0.736	0.1420	1.5000	0.320	1.31	2.65	70.6000	20.00	2
244	5.946	0.736	0.0366	2.0000	0.320	1.31	2.65	41.0000	23.00	2
245	7.872	0.736	0.0454	2.0000	0.320	1.31	2.65	27.0000	23.00	2
246	9.571	0.736	0.0533	2.0000	0.320	1.31	2.65	25.5000	23.00	2
247	11.893	0.736	0.0631	2.0000	0.320	1.31	2.65	43.5000	23.00	2
248	14.441	0.736	0.0728	2.0000	0.320	1.31	2.65	33.7000	23.00	2
249	16.310	0.736	0.0774	2.0000	0.320	1.31	2.65	42.9000	23.00	2
250	18.717	0.736	0.0814	2.0000	0.320	1.31	2.65	61.8000	23.00	2
251	21.010	0.736	0.0850	2.0000	0.320	1.31	2.65	66.7000	23.00	2
252	23.729	0.736	0.0924	2.0000	0.320	1.31	2.65	62.9000	23.00	2
253	26.249	0.736	0.0969	2.0000	0.320	1.31	2.65	63.8000	23.00	2
254	28.316	0.736	0.1009	2.0000	0.320	1.31	2.65	96.8000	23.00	2
255	31.572	0.736	0.1045	2.0000	0.320	1.31	2.65	84.9000	23.00	2
256	34.630	0.736	0.1088	2.0000	0.320	1.31	2.65	116.9000	23.00	2
257	37.094	0.736	0.1119	2.0000	0.320	1.31	2.65	149.4000	23.00	3
258	38.708	0.736	0.1137	2.0000	0.320	1.31	2.65	115.6000	23.00	3
259	41.115	0.736	0.1173	2.0000	0.320	1.31	2.65	156.2000	23.00	3
260	5.833	0.736	0.0290	1.0000	0.286	1.47	2.65	5.2000	27.00	5
261	7.136	0.736	0.0338	1.0000	0.286	1.47	2.65	25.6000	27.00	5
262	10.279	0.736	0.0680	1.0000	0.286	1.47	2.65	2.9000	27.00	2
263	11.326	0.736	0.0728	1.0000	0.286	1.47	2.65	5.4000	27.00	2
264	11.779	0.736	0.0756	1.0000	0.286	1.47	2.65	7.8000	27.00	2
265	13.393	0.736	0.0860	1.0000	0.286	1.47	2.65	4.6000	27.00	2
266	16.706	0.736	0.0930	1.0000	0.286	1.47	2.65	9.1000	27.00	2
267	19.028	0.736	0.1018	1.0000	0.286	1.47	2.65	12.8000	27.00	2
268	21.379	0.736	0.1085	1.0000	0.286	1.47	2.65	11.4000	27.00	2
269	24.125	0.736	0.1146	1.0000	0.286	1.47	2.65	15.1000	27.00	2
270	26.815	0.736	0.1210	1.0000	0.286	1.47	2.65	19.3000	27.00	2
271	3.681	0.736	0.0177	1.5000	0.286	1.47	2.65	8.2000	27.00	2
272	3.709	0.736	0.0335	1.5000	0.286	1.47	2.65	8.1000	27.00	2
273	7.447	0.736	0.0503	1.5000	0.286	1.47	2.65	12.3000	27.00	2
274	10.647	0.736	0.0634	1.5000	0.286	1.47	2.65	22.9000	27.00	2
275	14.300	0.736	0.0735	1.5000	0.286	1.47	2.65	21.3000	27.00	2

WSA - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935A)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	17.697	0.736	0.0863	1.5000	0.286	1.47	2.65	36.1000	27.00	2
277	21.039	0.736	0.0914	1.5000	0.286	1.47	2.65	42.0000	27.00	2
278	25.399	0.736	0.1036	1.5000	0.286	1.47	2.65	38.4000	27.00	2
279	28.996	0.736	0.1122	1.5000	0.286	1.47	2.65	43.1000	27.00	2
280	2.775	0.736	0.0149	2.0000	0.286	1.47	2.65	87.8000	27.00	5
281	3.794	0.736	0.0186	2.0000	0.286	1.47	2.65	64.2000	27.00	2
282	5.267	0.736	0.0375	2.0000	0.286	1.47	2.65	5.7000	27.00	2
283	6.569	0.736	0.0454	2.0000	0.286	1.47	2.65	9.3000	27.00	2
284	8.070	0.736	0.0518	2.0000	0.286	1.47	2.65	22.6000	27.00	2
285	9.344	0.736	0.0576	2.0000	0.286	1.47	2.65	9.8000	27.00	2
286	12.516	0.736	0.0658	2.0000	0.286	1.47	2.65	48.7000	27.00	2
287	15.800	0.736	0.0741	2.0000	0.286	1.47	2.65	61.7000	27.00	2
288	19.142	0.736	0.0853	2.0000	0.286	1.47	2.65	85.9000	27.00	2
289	23.162	0.736	0.0899	2.0000	0.286	1.47	2.65	85.4000	27.00	3
290	26.985	0.736	0.0942	2.0000	0.286	1.47	2.65	159.1000	27.00	3
291	32.450	0.736	0.1055	2.0000	0.286	1.47	2.65	194.2000	27.00	3
292	3.964	0.705	0.0229	1.0000	0.180	1.41	2.65	7.3510	16.90	5
293	4.672	0.705	0.0250	1.0000	0.180	1.41	2.65	6.2580	17.00	5
294	12.034	0.705	0.0841	1.0000	0.180	1.41	2.65	2.4220	18.00	2
295	14.300	0.705	0.0945	1.0000	0.180	1.41	2.65	4.0760	18.00	2
296	22.653	0.705	0.1164	1.0000	0.180	1.41	2.65	36.0210	18.00	2
297	32.705	0.705	0.1356	1.0000	0.180	1.41	2.65	92.6710	18.00	2
298	43.182	0.705	0.1646	1.0000	0.180	1.41	2.65	168.7190	18.20	2
299	62.210	0.705	0.1838	1.0000	0.180	1.41	2.65	387.8770	18.00	3
300	10.930	0.705	0.0671	1.5000	0.180	1.41	2.65	29.3290	16.50	2
301	17.981	0.705	0.0902	1.5000	0.180	1.41	2.65	85.9000	16.80	2
302	25.484	0.705	0.1137	1.5000	0.180	1.41	2.65	84.6220	16.80	2
303	35.537	0.705	0.1463	1.5000	0.180	1.41	2.65	154.9930	16.90	2
304	49.128	0.705	0.1804	1.5000	0.180	1.41	2.65	323.8818	16.90	2
305	63.371	0.705	0.2085	1.5000	0.180	1.41	2.65	385.3699	17.00	3
306	4.531	0.705	0.0390	2.0000	0.180	1.41	2.65	25.7300	17.50	2
307	5.748	0.705	0.0454	2.0000	0.180	1.41	2.65	30.4190	17.50	2
308	8.013	0.705	0.0561	2.0000	0.180	1.41	2.65	18.1840	17.60	2
309	13.167	0.705	0.0817	2.0000	0.180	1.41	2.65	88.5320	17.80	2
310	22.936	0.705	0.1082	2.0000	0.180	1.41	2.65	259.2019	18.00	2
311	31.997	0.705	0.1244	2.0000	0.180	1.41	2.65	382.5288	18.20	3
312	49.779	0.705	0.1356	2.0000	0.180	1.41	2.65	587.1858	18.20	3
313	29.449	0.705	0.0738	3.0000	4.100	1.47	2.65	0.9900	19.20	5
314	35.112	0.705	0.0823	3.0000	4.100	1.47	2.65	4.9800	19.40	5
315	40.775	0.705	0.0930	3.0000	4.100	1.47	2.65	7.1470	19.60	5
316	47.996	0.705	0.1042	3.0000	4.100	1.47	2.65	9.7150	19.80	5
317	55.018	0.705	0.1152	3.0000	4.100	1.47	2.65	7.9450	19.90	5
318	62.861	0.705	0.1353	3.0000	4.100	1.47	2.65	94.1100	19.80	3
319	27.183	0.705	0.0683	4.0000	4.100	1.47	2.65	8.5760	18.50	5
320	32.988	0.705	0.0768	4.0000	4.100	1.47	2.65	20.3190	18.20	5
321	38.227	0.705	0.0838	4.0000	4.100	1.47	2.65	125.7890	18.10	5
322	43.890	0.705	0.0920	4.0000	4.100	1.47	2.65	160.0220	18.20	3
323	48.279	0.705	0.0997	4.0000	4.100	1.47	2.65	196.7830	18.30	3
324	26.759	0.705	0.0646	4.5000	4.100	1.47	2.65	5.4450	19.20	5
325	31.431	0.705	0.0707	4.5000	4.100	1.47	2.65	30.5970	19.50	5
326	34.545	0.705	0.0771	4.5000	4.100	1.47	2.65	66.6440	19.60	5
327	40.492	0.705	0.0860	4.5000	4.100	1.47	2.65	157.6170	20.00	3
328	47.288	0.705	0.0957	4.5000	4.100	1.47	2.65	245.2790	20.00	3
329	55.160	0.705	0.1070	4.5000	4.100	1.47	2.65	275.7878	20.00	3
330	63.031	0.705	0.1219	4.5000	4.100	1.47	2.65	201.5840	20.00	3

WSB - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936A)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	15.744	0.704	0.0646	1.0000	0.950	1.44	2.65	6.1000	15.10	0
2	18.264	0.704	0.0707	1.0000	0.950	1.44	2.65	19.0000	14.80	0
3	20.642	0.704	0.0765	1.0000	0.950	1.44	2.65	20.2000	14.70	0
4	23.247	0.704	0.0829	1.0000	0.950	1.44	2.65	55.1000	14.60	0
5	26.079	0.704	0.0887	1.0000	0.950	1.44	2.65	81.8000	14.60	0
6	29.590	0.704	0.0953	1.0000	0.950	1.44	2.65	66.3000	14.60	0
7	32.847	0.704	0.1039	1.0000	0.950	1.44	2.65	86.8000	14.80	0
8	32.847	0.704	0.1045	1.0000	0.950	1.44	2.65	106.9000	14.90	0
9	32.847	0.704	0.1052	1.0000	0.950	1.44	2.65	89.7000	15.00	0
10	36.669	0.704	0.1097	1.0000	0.950	1.44	2.65	126.8000	15.40	0
11	39.359	0.704	0.1186	1.0000	0.950	1.44	2.65	101.5000	15.50	0
12	45.022	0.704	0.1439	1.0000	0.950	1.44	2.65	77.7000	16.00	0
13	49.015	0.704	0.1551	1.0000	0.950	1.44	2.65	84.1000	16.30	0
14	53.376	0.704	0.1618	1.0000	0.950	1.44	2.65	83.6000	16.40	0
15	58.246	0.704	0.1759	1.0000	0.950	1.44	2.65	94.3000	16.50	0
16	62.550	0.704	0.1948	1.0000	0.950	1.44	2.65	123.5000	16.70	0
17	62.380	0.704	0.1966	1.0000	0.950	1.44	2.65	100.0000	15.10	0
18	58.557	0.704	0.1817	1.0000	0.950	1.44	2.65	81.7000	15.30	0
19	54.084	0.704	0.1698	1.0000	0.950	1.44	2.65	74.0000	15.80	0
20	48.732	0.704	0.1506	1.0000	0.950	1.44	2.65	55.8000	16.80	0
21	45.306	0.704	0.1439	1.0000	0.950	1.44	2.65	61.8000	17.20	0
22	39.501	0.704	0.1201	1.0000	0.950	1.44	2.65	132.5000	16.20	0
23	36.811	0.704	0.1109	1.0000	0.950	1.44	2.65	93.9000	16.20	0
24	32.422	0.704	0.1061	1.0000	0.950	1.44	2.65	81.5000	16.40	0
25	29.703	0.704	0.0985	1.0000	0.950	1.44	2.65	77.7000	15.70	0
26	26.051	0.704	0.0911	1.0000	0.950	1.44	2.65	82.2000	15.70	0
27	23.219	0.704	0.0838	1.0000	0.950	1.44	2.65	43.3000	15.70	0
28	23.219	0.704	0.0838	1.0000	0.950	1.44	2.65	57.0000	15.40	0
29	20.699	0.704	0.0783	1.0000	0.950	1.44	2.65	58.5000	15.40	0
30	20.756	0.704	0.0783	1.0000	0.950	1.44	2.65	63.1000	15.50	0
31	18.264	0.704	0.0698	1.0000	0.950	1.44	2.65	61.8000	15.40	0
32	18.264	0.704	0.0698	1.0000	0.950	1.44	2.65	50.3000	15.40	0
33	15.772	0.704	0.0619	1.0000	0.950	1.44	2.65	28.1000	15.60	0
34	9.882	0.704	0.0411	1.5000	0.950	1.44	2.65	15.6000	15.60	0
35	12.204	0.704	0.0469	1.5000	0.950	1.44	2.65	74.3000	15.90	0
36	15.829	0.704	0.0546	1.5000	0.950	1.44	2.65	148.8000	15.90	0
37	19.396	0.704	0.0640	1.5000	0.950	1.44	2.65	164.3000	15.70	0
38	21.237	0.704	0.0677	1.5000	0.950	1.44	2.65	209.8000	15.80	0
39	23.474	0.704	0.0713	1.5000	0.950	1.44	2.65	175.8000	16.00	0
40	23.502	0.704	0.0722	1.5000	0.950	1.44	2.65	188.6000	16.10	0
41	25.768	0.704	0.0771	1.5000	0.950	1.44	2.65	192.5000	16.30	0
42	29.590	0.704	0.0875	1.5000	0.950	1.44	2.65	195.3000	16.50	0
43	32.422	0.704	0.0945	1.5000	0.950	1.44	2.65	192.5000	16.70	0
44	36.528	0.704	0.1030	1.5000	0.950	1.44	2.65	217.9000	16.40	0
45	39.642	0.704	0.1094	1.5000	0.950	1.44	2.65	222.5000	16.40	0
46	44.456	0.704	0.1198	1.5000	0.950	1.44	2.65	266.2998	16.60	0
47	44.456	0.704	0.1207	1.5000	0.950	1.44	2.65	228.3000	16.70	0
48	48.477	0.704	0.1305	1.5000	0.950	1.44	2.65	218.7000	16.80	0
49	52.923	0.704	0.1350	1.5000	0.950	1.44	2.65	234.7000	17.10	0
50	57.623	0.704	0.1451	1.5000	0.950	1.44	2.65	245.9000	16.50	0
51	62.040	0.704	0.1646	1.5000	0.950	1.44	2.65	223.7000	16.50	0
52	62.210	0.704	0.1646	1.5000	0.950	1.44	2.65	286.3999	16.60	0
53	62.380	0.704	0.1643	1.5000	0.950	1.44	2.65	233.3000	17.30	0
54	57.000	0.704	0.1545	1.5000	0.950	1.44	2.65	283.8999	17.60	0
55	57.000	0.704	0.1579	1.5000	0.950	1.44	2.65	226.6000	17.70	0

WSB - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936A)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	52.470	0.704	0.1500	1.5000	0.950	1.44	2.65	261.2000	17.90	0
57	48.420	0.704	0.1375	1.5000	0.950	1.44	2.65	179.5000	18.00	0
58	44.456	0.704	0.1262	1.5000	0.950	1.44	2.65	123.8000	18.20	0
59	40.067	0.704	0.1177	1.5000	0.950	1.44	2.65	150.6000	18.40	0
60	36.244	0.704	0.1079	1.5000	0.950	1.44	2.65	212.4000	18.20	0
61	36.244	0.704	0.1082	1.5000	0.950	1.44	2.65	144.0000	18.20	0
62	31.572	0.704	0.0981	1.5000	0.950	1.44	2.65	118.4000	18.20	0
63	28.174	0.704	0.0902	1.5000	0.950	1.44	2.65	209.1000	18.40	0
64	28.174	0.704	0.0902	1.5000	0.950	1.44	2.65	151.6000	18.50	0
65	25.513	0.704	0.0805	1.5000	0.950	1.44	2.65	139.7000	18.70	0
66	23.219	0.704	0.0753	1.5000	0.950	1.44	2.65	244.9000	18.70	0
67	23.219	0.704	0.0753	1.5000	0.950	1.44	2.65	162.8000	18.70	0
68	21.237	0.704	0.0695	1.5000	0.950	1.44	2.65	129.9000	17.40	0
69	19.255	0.704	0.0643	1.5000	0.950	1.44	2.65	179.5000	17.50	0
70	19.255	0.704	0.0643	1.5000	0.950	1.44	2.65	183.2000	17.50	0
71	15.800	0.704	0.0549	1.5000	0.950	1.44	2.65	82.5000	17.40	0
72	12.176	0.704	0.0448	1.5000	0.950	1.44	2.65	119.1000	17.30	0
73	9.911	0.704	0.0378	1.5000	0.950	1.44	2.65	49.4000	17.30	0
74	9.911	0.704	0.0393	2.0000	0.950	1.44	2.65	59.1000	15.00	0
75	12.827	0.704	0.0466	2.0000	0.950	1.44	2.65	150.3000	15.00	0
76	15.857	0.704	0.0530	2.0000	0.950	1.44	2.65	262.5999	14.90	0
77	19.510	0.704	0.0607	2.0000	0.950	1.44	2.65	272.7998	14.80	0
78	21.520	0.704	0.0634	2.0000	0.950	1.44	2.65	342.7998	14.40	0
79	23.219	0.704	0.0674	2.0000	0.950	1.44	2.65	298.8999	14.30	0
80	25.626	0.704	0.0747	2.0000	0.950	1.44	2.65	259.3999	14.30	0
81	29.449	0.704	0.0820	2.0000	0.950	1.44	2.65	271.7998	14.30	0
82	32.422	0.704	0.0884	2.0000	0.950	1.44	2.65	278.7998	14.30	0
83	36.584	0.704	0.0960	2.0000	0.950	1.44	2.65	270.2000	14.30	0
84	40.095	0.704	0.1045	2.0000	0.950	1.44	2.65	279.2998	13.90	0
85	44.116	0.704	0.1100	2.0000	0.950	1.44	2.65	229.4000	14.00	0
86	48.619	0.704	0.1195	2.0000	0.950	1.44	2.65	361.7000	14.20	0
87	48.619	0.704	0.1195	2.0000	0.950	1.44	2.65	379.0000	14.30	0
88	53.206	0.704	0.1332	2.0000	0.950	1.44	2.65	298.0999	13.90	0
89	57.623	0.704	0.1509	2.0000	0.950	1.44	2.65	365.3999	13.90	0
90	62.550	0.704	0.1655	2.0000	0.950	1.44	2.65	310.0000	13.90	0
91	62.550	0.704	0.1673	2.0000	0.950	1.44	2.65	288.0999	13.90	0
92	55.160	0.704	0.1542	2.0000	0.950	1.44	2.65	318.7998	13.90	0
93	47.911	0.704	0.1369	2.0000	0.950	1.44	2.65	175.9000	14.00	0
94	41.086	0.704	0.1167	2.0000	0.950	1.44	2.65	232.8000	14.30	0
95	35.112	0.704	0.1036	2.0000	0.950	1.44	2.65	181.5000	14.50	0
96	28.911	0.704	0.0875	2.0000	0.950	1.44	2.65	165.6000	14.50	0
97	23.644	0.704	0.0732	2.0000	0.950	1.44	2.65	280.0000	14.50	0
98	19.311	0.704	0.0625	2.0000	0.950	1.44	2.65	268.2000	14.50	0
99	15.659	0.704	0.0509	2.0000	0.950	1.44	2.65	218.6000	14.50	0
100	12.204	0.704	0.0424	2.0000	0.950	1.44	2.65	152.2000	14.50	0
101	9.882	0.704	0.0354	2.0000	0.950	1.44	2.65	103.6000	14.60	0
102	6.881	0.704	0.0283	2.0000	0.950	1.44	2.65	103.8000	14.80	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	8.042	0.305	0.0936	0.5000	0.960	1.90	1.85	12.1000	29.50	0
2	9.826	0.305	0.1064	0.5000	0.960	1.90	1.85	16.3000	29.70	0
3	14.467	0.305	0.1378	0.5000	0.960	1.90	1.85	29.1000	30.00	0
4	16.817	0.305	0.1512	0.5000	0.960	1.90	1.85	31.0000	30.00	0
5	19.479	0.305	0.1673	0.5000	0.960	1.90	1.85	59.2000	29.40	0
6	22.169	0.305	0.1838	0.5000	0.960	1.90	1.85	79.0000	29.50	0
7	24.717	0.305	0.1972	0.5000	0.960	1.90	1.85	107.0000	29.50	0
8	27.322	0.305	0.2115	0.5000	0.960	1.90	1.85	136.0000	29.50	0
9	4.785	0.305	0.0539	1.0000	0.960	1.90	1.85	9.0000	29.30	0
10	6.286	0.305	0.0643	1.0000	0.960	1.90	1.85	71.4000	29.20	0
11	8.240	0.305	0.0756	1.0000	0.960	1.90	1.85	130.7000	27.60	0
12	10.703	0.305	0.0917	1.0000	0.960	1.90	1.85	188.3000	27.70	0
13	12.881	0.305	0.1042	1.0000	0.960	1.90	1.85	203.4000	27.80	0
14	15.713	0.305	0.1192	1.0000	0.960	1.90	1.85	304.5999	27.80	0
15	18.657	0.305	0.1353	1.0000	0.960	1.90	1.85	353.7998	27.00	0
16	20.951	0.305	0.1524	1.0000	0.960	1.90	1.85	363.7998	26.90	0
17	25.765	0.305	0.1670	1.0000	0.960	1.90	1.85	401.3999	26.80	0
18	3.440	0.305	0.0390	1.5000	0.960	1.90	1.85	22.7000	25.20	0
19	4.644	0.305	0.0479	1.5000	0.960	1.90	1.85	154.9000	26.60	0
20	6.088	0.305	0.0561	1.5000	0.960	1.90	1.85	315.3999	26.50	0
21	7.560	0.305	0.0655	1.5000	0.960	1.90	1.85	327.2998	26.60	0
22	9.089	0.305	0.0744	1.5000	0.960	1.90	1.85	396.3999	26.60	0
23	10.703	0.305	0.0826	1.5000	0.960	1.90	1.85	433.2000	25.60	0
24	12.204	0.305	0.0911	1.5000	0.960	1.90	1.85	453.2000	25.70	0
25	14.127	0.305	0.1009	1.5000	0.960	1.90	1.85	545.7000	25.80	0
26	15.939	0.305	0.1113	1.5000	0.960	1.90	1.85	656.7998	26.00	0
27	7.475	0.305	0.0881	0.5000	0.833	1.85	1.85	1.5000	25.50	0
28	9.089	0.305	0.1000	0.5000	0.833	1.85	1.85	6.2000	25.50	0
29	10.757	0.305	0.1113	0.5000	0.833	1.85	1.85	10.9000	25.50	0
30	12.572	0.305	0.1234	0.5000	0.833	1.85	1.85	23.1000	25.50	0
31	15.231	0.305	0.1399	0.5000	0.833	1.85	1.85	56.7000	25.50	0
32	17.638	0.305	0.1554	0.5000	0.833	1.85	1.85	67.4000	25.50	0
33	20.130	0.305	0.1707	0.5000	0.833	1.85	1.85	155.2000	24.30	0
34	22.961	0.305	0.1856	0.5000	0.833	1.85	1.85	133.3000	24.30	0
35	25.482	0.305	0.1969	0.5000	0.833	1.85	1.85	113.5000	23.00	0
36	28.228	0.305	0.2109	0.5000	0.833	1.85	1.85	156.7000	23.00	0
37	31.060	0.305	0.2249	0.5000	0.833	1.85	1.85	152.5000	22.90	0
38	34.030	0.305	0.2356	0.5000	0.833	1.85	1.85	117.7000	23.00	0
39	34.030	0.305	0.2387	0.5000	0.833	1.85	1.85	179.2000	22.50	0
40	2.611	0.305	0.0369	1.0000	0.833	1.85	1.85	1.4000	25.40	0
41	3.556	0.305	0.0442	1.0000	0.833	1.85	1.85	6.3000	25.70	0
42	4.502	0.305	0.0518	1.0000	0.833	1.85	1.85	35.5000	25.70	0
43	5.607	0.305	0.0591	1.0000	0.833	1.85	1.85	96.9000	25.80	0
44	6.937	0.305	0.0683	1.0000	0.833	1.85	1.85	156.2000	25.40	0
45	8.183	0.305	0.0756	1.0000	0.833	1.85	1.85	175.3000	25.50	0
46	9.596	0.305	0.0838	1.0000	0.833	1.85	1.85	257.8999	25.50	0
47	11.295	0.305	0.0936	1.0000	0.833	1.85	1.85	254.8000	25.70	0
48	12.938	0.305	0.1033	1.0000	0.833	1.85	1.85	315.5000	25.70	0
49	14.806	0.305	0.1146	1.0000	0.833	1.85	1.85	390.5000	25.60	0
50	17.128	0.305	0.1283	1.0000	0.833	1.85	1.85	360.3999	25.50	0
51	2.993	0.305	0.0354	1.5000	0.833	1.85	1.85	136.8000	25.90	0
52	4.106	0.305	0.0415	1.5000	0.833	1.85	1.85	279.2998	26.00	0
53	5.522	0.305	0.0500	1.5000	0.833	1.85	1.85	365.0999	26.00	0
54	7.249	0.305	0.0607	1.5000	0.833	1.85	1.85	392.7998	26.00	0
55	8.778	0.305	0.0689	1.5000	0.833	1.85	1.85	546.8999	25.40	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	10.703	0.305	0.0799	1.5000	0.833	1.85	1.85	588.5999	25.50	0
57	12.258	0.305	0.0881	1.5000	0.833	1.85	1.85	616.5999	25.70	0
58	14.183	0.305	0.0985	1.5000	0.833	1.85	1.85	733.5999	26.00	0
59	4.927	0.305	0.0646	0.5000	1.230	2.02	1.74	9.7000	15.00	0
60	8.636	0.305	0.0917	0.5000	1.230	2.02	1.74	33.1000	14.90	0
61	11.043	0.305	0.1097	0.5000	1.230	2.02	1.74	45.8000	15.70	0
62	13.079	0.305	0.1253	0.5000	1.230	2.02	1.74	54.3000	15.70	0
63	15.939	0.305	0.1420	0.5000	1.230	2.02	1.74	94.9000	15.60	0
64	18.969	0.305	0.1634	0.5000	1.230	2.02	1.74	98.9000	16.00	0
65	21.659	0.305	0.1783	0.5000	1.230	2.02	1.74	101.2000	16.00	0
66	24.632	0.305	0.1948	0.5000	1.230	2.02	1.74	99.7000	19.30	0
67	28.030	0.305	0.2112	0.5000	1.230	2.02	1.74	133.0000	19.60	0
68	2.775	0.305	0.0378	1.0000	1.230	2.02	1.74	11.8000	20.90	0
69	4.191	0.305	0.0488	1.0000	1.230	2.02	1.74	35.8000	20.90	0
70	5.154	0.305	0.0558	1.0000	1.230	2.02	1.74	57.0000	21.00	0
71	6.456	0.305	0.0649	1.0000	1.230	2.02	1.74	126.7000	21.00	0
72	7.844	0.305	0.0735	1.0000	1.230	2.02	1.74	173.5000	21.00	0
73	9.398	0.305	0.0826	1.0000	1.230	2.02	1.74	190.3000	21.00	0
74	11.411	0.305	0.0948	1.0000	1.230	2.02	1.74	265.0000	21.00	0
75	13.079	0.305	0.1055	1.0000	1.230	2.02	1.74	296.5999	20.90	0
76	15.146	0.305	0.1170	1.0000	1.230	2.02	1.74	277.0000	21.00	0
77	17.893	0.305	0.1320	1.0000	1.230	2.02	1.74	272.5000	21.00	0
78	20.866	0.305	0.1451	1.0000	1.230	2.02	1.74	334.5000	21.00	0
79	2.180	0.305	0.0299	1.5000	1.230	2.02	1.74	27.7000	22.00	0
80	2.973	0.305	0.0351	1.5000	1.230	2.02	1.74	69.1000	22.10	0
81	3.908	0.305	0.0415	1.5000	1.230	2.02	1.74	182.2000	22.20	0
82	5.238	0.305	0.0506	1.5000	1.230	2.02	1.74	293.3999	22.30	0
83	6.569	0.305	0.0591	1.5000	1.230	2.02	1.74	362.5000	22.30	0
84	8.070	0.305	0.0677	1.5000	1.230	2.02	1.74	438.7000	22.60	0
85	9.766	0.305	0.0771	1.5000	1.230	2.02	1.74	495.2998	22.40	0
86	11.833	0.305	0.0875	1.5000	1.230	2.02	1.74	548.2000	22.40	0
87	13.844	0.305	0.0975	1.5000	1.230	2.02	1.74	718.7998	22.60	0
88	12.513	0.305	0.1253	0.5000	3.107	1.92	1.35	9.0000	25.60	0
89	14.806	0.305	0.1375	0.5000	3.107	1.92	1.35	4.9000	25.80	0
90	17.185	0.305	0.1545	0.5000	3.107	1.92	1.35	48.1000	25.70	0
91	19.535	0.305	0.1686	0.5000	3.107	1.92	1.35	88.9000	25.70	0
92	22.338	0.305	0.1823	0.5000	3.107	1.92	1.35	94.7000	25.70	0
93	25.482	0.305	0.1981	0.5000	3.107	1.92	1.35	126.1000	25.60	0
94	28.738	0.305	0.2143	0.5000	3.107	1.92	1.35	132.4000	25.80	0
95	32.589	0.305	0.2350	0.5000	3.107	1.92	1.35	215.7000	26.10	0
96	8.382	0.305	0.0829	1.0000	3.107	1.92	1.35	101.6000	26.90	0
97	10.474	0.305	0.0960	1.0000	3.107	1.92	1.35	197.4000	26.90	0
98	12.683	0.305	0.1094	1.0000	3.107	1.92	1.35	282.5999	26.70	0
99	15.090	0.305	0.1231	1.0000	3.107	1.92	1.35	300.8999	26.60	0
100	17.581	0.305	0.1347	1.0000	3.107	1.92	1.35	362.5999	26.60	0
101	20.526	0.305	0.1503	1.0000	3.107	1.92	1.35	371.2998	26.70	0
102	2.710	0.305	0.0439	0.5000	0.970	2.04	1.35	40.0000	12.50	0
103	3.500	0.305	0.0518	0.5000	0.970	2.04	1.35	90.0000	13.50	0
104	4.616	0.305	0.0631	0.5000	0.970	2.04	1.35	160.8000	13.50	0
105	5.918	0.305	0.0753	0.5000	0.970	2.04	1.35	162.2000	13.50	0
106	7.051	0.305	0.0847	0.5000	0.970	2.04	1.35	252.0000	13.50	0
107	8.268	0.305	0.0948	0.5000	0.970	2.04	1.35	291.0999	13.50	0
108	9.486	0.305	0.1079	0.5000	0.970	2.04	1.35	386.5000	13.50	0
109	11.352	0.305	0.1222	0.5000	0.970	2.04	1.35	240.8000	13.50	0
110	13.249	0.305	0.1381	0.5000	0.970	2.04	1.35	288.0999	13.60	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. FPM	TEMP. DEG. C	BF
111	15.231	0.305	0.1554	0.5000	0.970	2.04	1.35	213.4000	13.70	0
112	1.441	0.305	0.0238	1.0000	0.970	2.04	1.35	332.2998	10.90	0
113	2.211	0.305	0.0317	1.0000	0.970	2.04	1.35	501.2998	11.00	0
114	3.355	0.305	0.0418	1.0000	0.970	2.04	1.35	634.5000	11.20	0
115	4.757	0.305	0.0515	1.0000	0.970	2.04	1.35	813.2000	11.50	0
116	6.428	0.305	0.0637	1.0000	0.970	2.04	1.35	776.2000	11.70	0
117	8.070	0.305	0.0741	1.0000	0.970	2.04	1.35	832.2000	11.80	0
118	11.043	0.305	0.0917	1.0000	0.970	2.04	1.35	820.2998	11.90	0
119	8.665	0.305	0.0997	0.5000	3.002	1.63	1.32	3.2000	23.10	0
120	10.644	0.305	0.1152	0.5000	3.002	1.63	1.32	5.0000	23.00	0
121	12.881	0.305	0.1292	0.5000	3.002	1.63	1.32	13.7000	23.00	0
122	15.005	0.305	0.1430	0.5000	3.002	1.63	1.32	57.2000	23.20	0
123	17.355	0.305	0.1558	0.5000	3.002	1.63	1.32	82.2000	22.60	0
124	19.790	0.305	0.1692	0.5000	3.002	1.63	1.32	99.9000	22.40	0
125	23.245	0.305	0.1862	0.5000	3.002	1.63	1.32	95.4000	22.60	0
126	27.237	0.305	0.2079	0.5000	3.002	1.63	1.32	174.4000	22.60	0
127	30.833	0.305	0.2280	0.5000	3.002	1.63	1.32	176.9000	22.60	0
128	4.927	0.305	0.0588	1.0000	3.002	1.63	1.32	5.4000	23.00	0
129	6.569	0.305	0.0686	1.0000	3.002	1.63	1.32	86.3000	23.00	0
130	7.928	0.305	0.0786	1.0000	3.002	1.63	1.32	247.9000	23.00	0
131	9.344	0.305	0.0881	1.0000	3.002	1.63	1.32	247.8000	23.00	0
132	11.043	0.305	0.0978	1.0000	3.002	1.63	1.32	313.2000	23.10	0
133	12.938	0.305	0.1094	1.0000	3.002	1.63	1.32	368.0000	23.20	0
134	14.948	0.305	0.1207	1.0000	3.002	1.63	1.32	397.7998	23.30	0
135	17.128	0.305	0.1326	1.0000	3.002	1.63	1.32	414.7998	23.30	0
136	2.914	0.305	0.0460	0.5000	1.463	1.53	1.32	45.8000	23.30	0
137	3.964	0.305	0.0558	0.5000	1.463	1.53	1.32	135.4000	24.00	0
138	5.267	0.305	0.0668	0.5000	1.463	1.53	1.32	317.8999	24.30	0
139	6.796	0.305	0.0802	0.5000	1.463	1.53	1.32	410.5999	24.00	0
140	8.183	0.305	0.0920	0.5000	1.463	1.53	1.32	361.7998	24.10	0
141	9.882	0.305	0.1052	0.5000	1.463	1.53	1.32	323.7998	24.10	0
142	11.890	0.305	0.1186	0.5000	1.463	1.53	1.32	371.8999	24.10	0
143	14.467	0.305	0.1350	0.5000	1.463	1.53	1.32	475.3999	24.20	0
144	16.675	0.305	0.1478	0.5000	1.463	1.53	1.32	433.5999	24.20	0
145	1.603	0.305	0.0259	1.0000	1.463	1.53	1.32	125.7000	23.00	0
146	2.211	0.305	0.0323	1.0000	1.463	1.53	1.32	395.2998	23.00	0
147	2.968	0.305	0.0390	1.0000	1.463	1.53	1.32	821.5000	23.00	0
148	3.993	0.305	0.0469	1.0000	1.463	1.53	1.32	829.8999	23.00	0
149	5.352	0.305	0.0564	1.0000	1.463	1.53	1.32	819.2998	23.00	0
150	6.626	0.305	0.0658	1.0000	1.463	1.53	1.32	878.5000	22.90	0
151	8.268	0.305	0.0762	1.0000	1.463	1.53	1.32	918.7998	22.90	0
152	9.936	0.305	0.0866	1.0000	1.463	1.53	1.32	921.5999	23.00	0
153	11.635	0.305	0.0960	1.0000	1.463	1.53	1.32	827.0999	23.00	0
154	10.927	0.305	0.1173	0.5000	2.238	2.30	1.31	73.8000	14.90	0
155	13.249	0.305	0.1311	0.5000	2.238	2.30	1.31	149.3000	14.90	0
156	15.571	0.305	0.1454	0.5000	2.238	2.30	1.31	250.0000	15.00	0
157	18.119	0.305	0.1603	0.5000	2.238	2.30	1.31	277.3999	15.00	0
158	21.036	0.305	0.1774	0.5000	2.238	2.30	1.31	285.7000	15.10	0
159	23.698	0.305	0.1917	0.5000	2.238	2.30	1.31	369.5000	15.30	0
160	6.541	0.305	0.0689	1.0000	2.238	2.30	1.31	404.5000	15.00	0
161	8.070	0.305	0.0799	1.0000	2.238	2.30	1.31	623.0000	15.00	0
162	9.712	0.305	0.0896	1.0000	2.238	2.30	1.31	752.3999	14.30	0
163	11.779	0.305	0.1039	1.0000	2.238	2.30	1.31	840.7000	14.30	0
164	13.645	0.305	0.1155	1.0000	2.238	2.30	1.31	761.5999	14.40	0
165	15.797	0.305	0.1253	1.0000	2.238	2.30	1.31	728.0000	14.50	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	2.888	0.305	0.0439	0.5000	1.129	1.88	1.31	98.6000	13.60	0
167	4.219	0.305	0.0570	0.5000	1.129	1.88	1.31	136.8000	13.30	0
168	5.692	0.305	0.0710	0.5000	1.129	1.88	1.31	187.7000	13.00	0
169	7.249	0.305	0.0872	0.5000	1.129	1.88	1.31	184.4000	13.00	0
170	8.835	0.305	0.1030	0.5000	1.129	1.88	1.31	258.0999	13.50	0
171	10.644	0.305	0.1155	0.5000	1.129	1.88	1.31	260.2998	13.50	0
172	12.572	0.305	0.1305	0.5000	1.129	1.88	1.31	226.8000	13.40	0
173	14.523	0.305	0.1433	0.5000	1.129	1.88	1.31	236.8000	13.20	0
174	1.603	0.305	0.0253	1.0000	1.129	1.88	1.31	359.2000	14.00	0
175	2.234	0.305	0.0320	1.0000	1.129	1.88	1.31	503.5999	11.50	0
176	3.214	0.305	0.0396	1.0000	1.129	1.88	1.31	768.3999	13.30	0
177	4.276	0.305	0.0485	1.0000	1.129	1.88	1.31	707.2000	12.30	0
178	5.635	0.305	0.0582	1.0000	1.129	1.88	1.31	845.2000	13.00	0
179	7.419	0.305	0.0701	1.0000	1.129	1.88	1.31	704.7998	13.00	0
180	9.826	0.305	0.0838	1.0000	1.129	1.88	1.31	886.0999	13.10	0
181	11.635	0.305	0.0960	1.0000	1.129	1.88	1.31	925.7000	13.20	0
182	13.334	0.305	0.1045	1.0000	1.129	1.88	1.31	861.5999	13.20	0
183	13.136	0.305	0.1116	1.0000	4.093	1.58	1.26	259.3999	11.10	0
184	16.364	0.305	0.1295	1.0000	4.093	1.58	1.26	632.0000	11.20	0
185	3.738	0.305	0.0552	0.5000	1.165	2.08	1.26	41.1000	15.30	0
186	5.012	0.305	0.0668	0.5000	1.165	2.08	1.26	143.9000	15.40	0
187	6.428	0.305	0.0777	0.5000	1.165	2.08	1.26	239.1000	15.30	0
188	7.928	0.305	0.0902	0.5000	1.165	2.08	1.26	379.7998	15.40	0
189	9.656	0.305	0.1027	0.5000	1.165	2.08	1.26	442.2000	15.40	0
190	11.833	0.305	0.1173	0.5000	1.165	2.08	1.26	520.5000	15.50	0
191	2.124	0.305	0.0311	1.0000	1.165	2.08	1.26	545.7000	16.20	0
192	3.186	0.305	0.0402	1.0000	1.165	2.08	1.26	925.3999	15.60	0
193	4.191	0.305	0.0479	1.0000	1.165	2.08	1.26	914.0000	16.10	0
194	5.720	0.305	0.0588	1.0000	1.165	2.08	1.26	1030.8999	17.00	0
195	7.390	0.305	0.0698	1.0000	1.165	2.08	1.26	1125.0999	17.90	0
196	9.089	0.305	0.0808	1.0000	1.165	2.08	1.26	1280.7998	17.80	0
197	5.493	0.305	0.1021	0.1000	2.444	2.32	1.11	43.6000	18.60	0
198	6.881	0.305	0.1213	0.1000	2.444	2.32	1.11	137.3000	18.90	0
199	8.520	0.305	0.1384	0.1000	2.444	2.32	1.11	245.4000	19.10	0
200	10.474	0.305	0.1609	0.1000	2.444	2.32	1.11	354.7998	19.10	0
201	12.881	0.305	0.1859	0.1000	2.444	2.32	1.11	377.5000	19.00	0
202	2.189	0.305	0.0469	0.3000	2.444	2.32	1.11	172.7000	19.70	0
203	3.021	0.305	0.0594	0.3000	2.444	2.32	1.11	304.5000	19.80	0
204	3.993	0.305	0.0719	0.3000	2.444	2.32	1.11	476.5000	19.90	0
205	5.069	0.305	0.0850	0.3000	2.444	2.32	1.11	698.5000	19.50	0
206	6.343	0.305	0.1006	0.3000	2.444	2.32	1.11	677.3999	19.60	0
207	7.475	0.305	0.1155	0.3000	2.444	2.32	1.11	643.7998	19.80	0
208	9.143	0.305	0.1369	0.3000	2.444	2.32	1.11	523.5000	19.90	0
209	11.182	0.305	0.1576	0.3000	2.444	2.32	1.11	642.0999	19.90	0
210	2.347	0.305	0.0567	0.1000	1.287	1.79	1.11	111.2000	16.00	0
211	3.214	0.305	0.0704	0.1000	1.287	1.79	1.11	158.8000	15.70	0
212	4.049	0.305	0.0829	0.1000	1.287	1.79	1.11	227.2000	15.50	0
213	5.040	0.305	0.0975	0.1000	1.287	1.79	1.11	290.0000	15.70	0
214	6.258	0.305	0.1137	0.1000	1.287	1.79	1.11	342.2998	16.00	0
215	7.504	0.305	0.1289	0.1000	1.287	1.79	1.11	364.2998	16.10	0
216	9.174	0.305	0.1481	0.1000	1.287	1.79	1.11	406.5000	16.00	0
217	11.128	0.305	0.1689	0.1000	1.287	1.79	1.11	423.3999	15.30	0
218	1.325	0.305	0.0332	0.3000	1.287	1.79	1.11	289.2000	15.70	0
219	2.081	0.305	0.0451	0.3000	1.287	1.79	1.11	641.7998	15.70	0
220	2.914	0.305	0.0582	0.3000	1.287	1.79	1.11	661.5999	15.70	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	3.908	0.305	0.0719	0.3000	1.287	1.79	1.11	593.2000	15.50	0
222	5.154	0.305	0.0875	0.3000	1.287	1.79	1.11	687.0000	15.50	0
223	6.258	0.305	0.1006	0.3000	1.287	1.79	1.11	753.0000	15.60	0
224	7.475	0.305	0.1158	0.3000	1.287	1.79	1.11	674.0999	15.70	0
225	8.920	0.305	0.1323	0.3000	1.287	1.79	1.11	637.0000	16.00	0
226	10.644	0.305	0.1518	0.3000	1.287	1.79	1.11	687.5999	16.20	0
227	2.585	0.305	0.0616	0.1000	3.215	1.82	1.07	282.7998	13.00	0
228	3.653	0.305	0.0768	0.1000	3.215	1.82	1.07	855.3999	13.50	0
229	4.870	0.305	0.0942	0.1000	3.215	1.82	1.07	706.2998	13.50	0
230	6.088	0.305	0.1116	0.1000	3.215	1.82	1.07	885.7998	13.60	0
231	7.419	0.305	0.1274	0.1000	3.215	1.82	1.07	692.8999	13.70	0
232	8.920	0.305	0.1454	0.1000	3.215	1.82	1.07	775.5000	13.60	0
233	1.150	0.305	0.0314	0.3000	3.215	1.82	1.07	821.5999	14.60	0
234	1.696	0.305	0.0405	0.3000	3.215	1.82	1.07	1775.5999	13.20	0
235	2.512	0.305	0.0530	0.3000	3.215	1.82	1.07	1921.0000	13.30	0
236	3.384	0.305	0.0658	0.3000	3.215	1.82	1.07	1764.7998	13.00	0
237	4.502	0.305	0.0799	0.3000	3.215	1.82	1.07	1847.0999	13.10	0
238	5.720	0.305	0.0960	0.3000	3.215	1.82	1.07	1597.0000	13.00	0
239	7.164	0.305	0.1137	0.3000	3.215	1.82	1.07	1336.7000	13.00	0
240	9.033	0.305	0.1359	0.3000	3.215	1.82	1.07	1399.0000	13.00	0
241	1.495	0.305	0.0418	0.1000	0.835	1.98	1.07	122.1000	12.00	0
242	2.189	0.305	0.0536	0.1000	0.835	1.98	1.07	263.5999	12.20	0
243	2.968	0.305	0.0661	0.1000	0.835	1.98	1.07	317.8999	12.10	0
244	3.908	0.305	0.0796	0.1000	0.835	1.98	1.07	577.2000	12.00	0
245	5.012	0.305	0.0963	0.1000	0.835	1.98	1.07	548.0999	11.00	0
246	6.201	0.305	0.1122	0.1000	0.835	1.98	1.07	609.5999	10.70	0
247	7.504	0.305	0.1274	0.1000	0.835	1.98	1.07	596.0999	10.70	0
248	9.033	0.305	0.1457	0.1000	0.835	1.98	1.07	546.7998	10.50	0
249	0.714	0.305	0.0223	0.3000	0.835	1.98	1.07	642.5000	9.70	0
250	1.195	0.305	0.0326	0.3000	0.835	1.98	1.07	1022.7998	10.20	0
251	1.753	0.305	0.0421	0.3000	0.835	1.98	1.07	1193.7998	10.80	0
252	2.489	0.305	0.0530	0.3000	0.835	1.98	1.07	1085.7998	11.00	0
253	3.412	0.305	0.0661	0.3000	0.835	1.98	1.07	978.5999	11.00	0
254	4.616	0.305	0.0811	0.3000	0.835	1.98	1.07	1093.2000	11.00	0
255	5.692	0.305	0.0945	0.3000	0.835	1.98	1.07	1039.2998	11.10	0
256	2.441	0.305	0.0579	0.1000	3.504	2.06	1.05	407.7998	11.80	0
257	3.214	0.305	0.0698	0.1000	3.504	2.06	1.05	842.8999	12.00	0
258	4.078	0.305	0.0838	0.1000	3.504	2.06	1.05	967.0999	11.30	0
259	5.182	0.305	0.1003	0.1000	3.504	2.06	1.05	1028.5000	11.90	0
260	6.484	0.305	0.1180	0.1000	3.504	2.06	1.05	971.5000	11.00	0
261	7.928	0.305	0.1350	0.1000	3.504	2.06	1.05	886.7000	10.50	0
262	2.016	0.305	0.0445	0.3000	3.504	2.06	1.05	1543.7000	15.50	0
263	2.537	0.305	0.0515	0.3000	3.504	2.06	1.05	1907.0999	13.70	0
264	3.157	0.305	0.0616	0.3000	3.504	2.06	1.05	1947.5999	10.00	0
265	3.766	0.305	0.0716	0.3000	3.504	2.06	1.05	1940.5000	10.00	0
266	4.474	0.305	0.0796	0.3000	3.504	2.06	1.05	1737.5999	10.00	0
267	5.380	0.305	0.0914	0.3000	3.504	2.06	1.05	1791.5999	10.00	0
268	1.195	0.305	0.0354	0.1000	1.235	1.54	1.05	236.2000	13.70	0
269	1.892	0.305	0.0494	0.1000	1.235	1.54	1.05	439.5000	13.40	0
270	2.560	0.305	0.0634	0.1000	1.235	1.54	1.05	519.2000	14.00	0
271	3.440	0.305	0.0762	0.1000	1.235	1.54	1.05	604.3999	14.30	0
272	4.616	0.305	0.0948	0.1000	1.235	1.54	1.05	649.5999	14.50	0
273	5.607	0.305	0.1106	0.1000	1.235	1.54	1.05	651.7000	14.50	0
274	0.660	0.305	0.0213	0.3000	1.235	1.54	1.05	250.3000	14.00	0
275	1.195	0.305	0.0320	0.3000	1.235	1.54	1.05	1223.0000	14.00	0

WSL - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936C)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	1.892	0.305	0.0442	0.3000	1.235	1.54	1.05	1351.8999	14.00	0
277	2.585	0.305	0.0546	0.3000	1.235	1.54	1.05	1364.7998	14.00	0
278	3.440	0.305	0.0671	0.3000	1.235	1.54	1.05	1410.0999	14.00	0
279	4.502	0.305	0.0823	0.3000	1.235	1.54	1.05	1217.3999	14.00	0
280	1.424	0.305	0.0451	0.1000	2.951	2.56	1.03	504.2998	14.20	0
281	2.418	0.305	0.0622	0.1000	2.951	2.56	1.03	1709.2000	13.90	0
282	3.103	0.305	0.0728	0.1000	2.951	2.56	1.03	2419.2998	14.60	0
283	3.738	0.305	0.0832	0.1000	2.951	2.56	1.03	3181.9968	14.20	0
284	4.644	0.305	0.0966	0.1000	2.951	2.56	1.03	2889.4968	14.20	0
285	1.034	0.305	0.0302	0.3000	2.951	2.56	1.03	3643.3960	14.90	0
286	1.478	0.305	0.0378	0.3000	2.951	2.56	1.03	5600.8945	15.30	0
287	1.996	0.305	0.0463	0.3000	2.951	2.56	1.03	4500.7930	14.20	0
288	2.684	0.305	0.0573	0.3000	2.951	2.56	1.03	4436.1914	14.30	0
289	1.034	0.305	0.0344	0.1000	1.110	1.73	1.03	1355.0999	11.20	0
290	1.639	0.305	0.0460	0.1000	1.110	1.73	1.03	1313.7998	12.40	0
291	2.302	0.305	0.0582	0.1000	1.110	1.73	1.03	1346.3999	13.00	0
292	3.129	0.305	0.0716	0.1000	1.110	1.73	1.03	1590.5999	12.00	0
293	3.964	0.305	0.0850	0.1000	1.110	1.73	1.03	1875.2998	12.90	0
294	0.714	0.305	0.0244	0.3000	1.110	1.73	1.03	1835.2000	9.70	0
295	1.150	0.305	0.0317	0.3000	1.110	1.73	1.03	3418.2959	11.30	0
296	1.696	0.305	0.0408	0.3000	1.110	1.73	1.03	3417.2969	12.20	0
297	2.302	0.305	0.0503	0.3000	1.110	1.73	1.03	4323.9922	12.60	0
298	3.075	0.305	0.0622	0.3000	1.110	1.73	1.03	3765.5959	13.00	0

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	8.665	0.305	0.0841	1.0000	0.354	1.15	2.65	34.9000	20.50	2
2	8.665	0.305	0.0908	1.0000	0.354	1.15	2.65	17.5000	20.40	2
3	8.665	0.305	0.0960	1.0000	0.354	1.15	2.65	11.6000	20.40	2
4	8.665	0.305	0.0985	1.0000	0.354	1.15	2.65	18.9000	20.30	2
5	8.665	0.305	0.1033	1.0000	0.354	1.15	2.65	5.8000	20.00	2
6	23.417	0.305	0.1673	1.0000	0.354	1.15	2.65	68.9000	20.20	2
7	23.417	0.305	0.1716	1.0000	0.354	1.15	2.65	68.4000	20.20	2
8	23.417	0.305	0.1728	1.0000	0.354	1.15	2.65	56.5000	20.20	2
9	23.417	0.305	0.1734	1.0000	0.354	1.15	2.65	39.8000	20.20	2
10	23.417	0.305	0.1737	1.0000	0.354	1.15	2.65	47.9000	20.20	2
11	38.765	0.305	0.2573	1.0000	0.354	1.15	2.65	25.7000	20.00	2
12	38.765	0.305	0.2667	1.0000	0.354	1.15	2.65	13.0000	20.00	2
13	38.765	0.305	0.2688	1.0000	0.354	1.15	2.65	18.5000	20.00	2
14	38.765	0.305	0.2661	1.0000	0.354	1.15	2.65	23.4000	20.00	2
15	38.765	0.305	0.2676	1.0000	0.354	1.15	2.65	26.3000	20.00	2
16	8.665	0.305	0.0741	1.0000	0.472	1.10	2.65	71.3000	21.60	2
17	8.665	0.305	0.0747	1.0000	0.472	1.10	2.65	94.6000	21.60	2
18	8.665	0.305	0.0753	1.0000	0.472	1.10	2.65	77.1000	21.60	2
19	8.665	0.305	0.0765	1.0000	0.472	1.10	2.65	82.9000	21.60	2
20	8.665	0.305	0.0783	1.0000	0.472	1.10	2.65	80.0000	22.00	2
21	23.417	0.305	0.1518	1.0000	0.472	1.10	2.65	87.2000	21.90	3
22	23.417	0.305	0.1628	1.0000	0.472	1.10	2.65	108.7000	21.90	3
23	23.417	0.305	0.1634	1.0000	0.472	1.10	2.65	82.9000	21.90	3
24	23.417	0.305	0.1652	1.0000	0.472	1.10	2.65	74.3000	21.90	3
25	23.417	0.305	0.1640	1.0000	0.472	1.10	2.65	73.7000	21.90	3
26	38.765	0.305	0.2280	1.0000	0.472	1.10	2.65	68.6000	22.10	3
27	38.765	0.305	0.2441	1.0000	0.472	1.10	2.65	108.0000	22.30	3
28	38.765	0.305	0.2569	1.0000	0.472	1.10	2.65	89.4000	22.30	3
29	38.765	0.305	0.2569	1.0000	0.472	1.10	2.65	63.1000	22.40	3
30	38.765	0.305	0.2551	1.0000	0.472	1.10	2.65	36.7000	22.30	3
31	8.665	0.305	0.0765	1.0000	0.649	1.10	2.65	50.9000	18.60	5
32	8.665	0.305	0.0768	1.0000	0.649	1.10	2.65	46.6000	18.50	5
33	8.665	0.305	0.0765	1.0000	0.649	1.10	2.65	37.8000	18.60	5
34	8.665	0.305	0.0768	1.0000	0.649	1.10	2.65	42.2000	18.60	5
35	8.665	0.305	0.0765	1.0000	0.649	1.10	2.65	37.8000	18.60	5
36	23.417	0.305	0.1497	1.0000	0.649	1.10	2.65	120.6000	20.00	3
37	23.417	0.305	0.1692	1.0000	0.649	1.10	2.65	137.8000	20.00	3
38	23.417	0.305	0.1743	1.0000	0.649	1.10	2.65	103.4000	20.10	3
39	23.417	0.305	0.1759	1.0000	0.649	1.10	2.65	112.0000	20.30	3
40	38.765	0.305	0.2271	1.0000	0.649	1.10	2.65	101.5000	20.50	3
41	38.765	0.305	0.2615	1.0000	0.649	1.10	2.65	75.5000	20.60	3
42	38.765	0.305	0.2685	1.0000	0.649	1.10	2.65	77.4000	20.70	3
43	38.765	0.305	0.2691	1.0000	0.649	1.10	2.65	45.2000	20.70	3
44	38.765	0.305	0.2710	1.0000	0.649	1.10	2.65	62.4000	20.80	3
45	8.665	0.305	0.0756	1.0000	0.919	1.10	2.65	20.4000	21.00	5
46	8.665	0.305	0.0759	1.0000	0.919	1.10	2.65	18.9000	21.00	5
47	8.665	0.305	0.0759	1.0000	0.919	1.10	2.65	20.4000	21.00	5
48	8.665	0.305	0.0762	1.0000	0.919	1.10	2.65	20.4000	21.00	5
49	8.665	0.305	0.0762	1.0000	0.919	1.10	2.65	26.2000	21.00	5
50	23.417	0.305	0.1515	1.0000	0.919	1.10	2.65	73.7000	21.30	3
51	23.417	0.305	0.1713	1.0000	0.919	1.10	2.65	29.1000	21.00	3
52	23.417	0.305	0.1713	1.0000	0.919	1.10	2.65	28.0000	21.00	3
53	23.417	0.305	0.1707	1.0000	0.919	1.10	2.65	54.4000	21.00	3
54	23.417	0.305	0.1725	1.0000	0.919	1.10	2.65	59.2000	21.00	3
55	23.417	0.305	0.1737	1.0000	0.919	1.10	2.65	92.1000	20.00	3

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	38.765	0.305	0.2252	1.0000	0.919	1.10	2.65	75.8000	20.00	3
57	38.765	0.305	0.2600	1.0000	0.919	1.10	2.65	75.8000	20.00	3
58	38.765	0.305	0.2676	1.0000	0.919	1.10	2.65	57.6000	20.00	3
59	38.765	0.305	0.2707	1.0000	0.919	1.10	2.65	47.2000	19.80	3
60	38.765	0.305	0.2688	1.0000	0.919	1.10	2.65	57.6000	19.90	3
61	8.665	0.305	0.0750	1.0000	0.850	1.21	2.65	41.2000	19.10	5
62	8.665	0.305	0.0747	1.0000	0.850	1.21	2.65	41.0000	19.00	5
63	8.665	0.305	0.0741	1.0000	0.850	1.21	2.65	40.9000	19.00	5
64	8.665	0.305	0.0741	1.0000	0.850	1.21	2.65	41.6000	19.00	5
65	8.665	0.305	0.0750	1.0000	0.850	1.21	2.65	61.7000	19.00	5
66	23.474	0.305	0.1494	1.0000	0.850	1.21	2.65	108.5000	19.50	3
67	23.474	0.305	0.1527	1.0000	0.850	1.21	2.65	119.2000	19.50	3
68	23.474	0.305	0.1579	1.0000	0.850	1.21	2.65	195.5000	19.50	3
69	23.474	0.305	0.1615	1.0000	0.850	1.21	2.65	190.1000	19.50	3
70	23.474	0.305	0.1612	1.0000	0.850	1.21	2.65	193.3000	19.50	3
71	23.474	0.305	0.1606	1.0000	0.850	1.21	2.65	60.7000	19.50	3
72	23.474	0.305	0.1603	1.0000	0.850	1.21	2.65	195.5000	19.50	3
73	23.474	0.305	0.1606	1.0000	0.850	1.21	2.65	60.7000	19.50	3
74	38.765	0.305	0.2307	1.0000	0.850	1.21	2.65	84.2000	19.20	3
75	38.765	0.305	0.2579	1.0000	0.850	1.21	2.65	50.1000	19.20	3
76	38.765	0.305	0.2594	1.0000	0.850	1.21	2.65	81.6000	19.20	3
77	38.765	0.305	0.2612	1.0000	0.850	1.21	2.65	79.0000	19.20	3
78	38.765	0.305	0.2618	1.0000	0.850	1.21	2.65	33.8000	19.20	3
79	8.665	0.305	0.0738	1.0000	0.783	1.34	2.65	34.9000	19.50	5
80	8.665	0.305	0.0744	1.0000	0.783	1.34	2.65	40.6000	19.50	5
81	8.665	0.305	0.0744	1.0000	0.783	1.34	2.65	29.1000	19.50	5
82	8.665	0.305	0.0747	1.0000	0.783	1.34	2.65	41.2000	19.50	5
83	8.665	0.305	0.0759	1.0000	0.783	1.34	2.65	47.4000	19.50	5
84	23.417	0.305	0.1497	1.0000	0.783	1.34	2.65	107.1000	19.50	3
85	23.417	0.305	0.1652	1.0000	0.783	1.34	2.65	104.4000	19.50	3
86	23.417	0.305	0.1692	1.0000	0.783	1.34	2.65	94.1000	19.20	3
87	23.417	0.305	0.1698	1.0000	0.783	1.34	2.65	96.4000	19.20	3
88	38.765	0.305	0.2234	1.0000	0.783	1.34	2.65	98.9000	19.40	3
89	38.765	0.305	0.2643	1.0000	0.783	1.34	2.65	93.7000	19.60	3
90	38.765	0.305	0.2606	1.0000	0.783	1.34	2.65	80.7000	19.60	3
91	38.765	0.305	0.2737	1.0000	0.783	1.34	2.65	45.2000	19.80	3
92	38.765	0.305	0.2713	1.0000	0.783	1.34	2.65	74.1000	19.80	3
93	8.665	0.305	0.0741	1.0000	0.692	1.47	2.65	69.8000	19.60	5
94	8.665	0.305	0.0735	1.0000	0.692	1.47	2.65	78.6000	19.60	5
95	8.665	0.305	0.0741	1.0000	0.692	1.47	2.65	65.5000	20.00	5
96	8.665	0.305	0.0741	1.0000	0.692	1.47	2.65	98.9000	20.00	5
97	8.665	0.305	0.0741	1.0000	0.692	1.47	2.65	42.2000	20.00	5
98	23.417	0.305	0.1484	1.0000	0.692	1.47	2.65	116.3000	20.10	3
99	23.417	0.305	0.1588	1.0000	0.692	1.47	2.65	130.8000	20.20	3
100	23.417	0.305	0.1643	1.0000	0.692	1.47	2.65	213.2000	20.20	3
101	23.417	0.305	0.1622	1.0000	0.692	1.47	2.65	151.8000	20.30	3
102	23.417	0.305	0.1637	1.0000	0.692	1.47	2.65	106.6000	20.50	3
103	38.765	0.305	0.2222	1.0000	0.692	1.47	2.65	111.5000	20.60	3
104	38.765	0.305	0.2633	1.0000	0.692	1.47	2.65	65.5000	20.60	3
105	38.765	0.305	0.2664	1.0000	0.692	1.47	2.65	75.5000	20.40	3
106	38.765	0.305	0.2633	1.0000	0.692	1.47	2.65	58.5000	20.40	3
107	8.665	0.305	0.0747	1.0000	1.203	1.18	2.65	3.5000	20.80	5
108	8.665	0.305	0.0744	1.0000	1.203	1.18	2.65	6.3000	20.80	5
109	8.665	0.305	0.0753	1.0000	1.203	1.18	2.65	10.2000	20.80	5
110	8.665	0.305	0.0756	1.0000	1.203	1.18	2.65	11.2000	20.80	5

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	8.665	0.305	0.0756	1.0000	1.203	1.18	2.65	10.5000	20.90	5
112	23.417	0.305	0.1539	1.0000	1.203	1.18	2.65	53.5000	21.00	3
113	23.417	0.305	0.1539	1.0000	1.203	1.18	2.65	42.7000	21.00	3
114	23.417	0.305	0.1542	1.0000	1.203	1.18	2.65	84.0000	21.00	3
115	23.417	0.305	0.1561	1.0000	1.203	1.18	2.65	96.9000	21.00	3
116	23.417	0.305	0.1597	1.0000	1.203	1.18	2.65	61.7000	21.00	3
117	23.417	0.305	0.1628	1.0000	1.203	1.18	2.65	42.6000	20.80	3
118	38.765	0.305	0.2295	1.0000	1.203	1.18	2.65	59.1000	20.60	3
119	38.765	0.305	0.2341	1.0000	1.203	1.18	2.65	59.7000	20.60	3
120	38.765	0.305	0.2371	1.0000	1.203	1.18	2.65	63.7000	20.50	3
121	38.765	0.305	0.2417	1.0000	1.203	1.18	2.65	82.9000	21.10	3
122	38.765	0.305	0.2438	1.0000	1.203	1.18	2.65	68.9000	21.00	3
123	8.665	0.305	0.0753	1.0000	1.132	1.32	2.65	30.3000	19.80	5
124	8.665	0.305	0.0756	1.0000	1.132	1.32	2.65	35.9000	19.80	5
125	8.665	0.305	0.0759	1.0000	1.132	1.32	2.65	47.9000	19.80	5
126	8.665	0.305	0.0756	1.0000	1.132	1.32	2.65	35.9000	19.70	5
127	8.665	0.305	0.0756	1.0000	1.132	1.32	2.65	17.9000	19.70	5
128	23.417	0.305	0.1542	1.0000	1.132	1.32	2.65	70.0000	19.80	3
129	23.417	0.305	0.1553	1.0000	1.132	1.32	2.65	92.7000	19.80	3
130	23.417	0.305	0.1585	1.0000	1.132	1.32	2.65	68.5000	19.80	3
131	23.417	0.305	0.1612	1.0000	1.132	1.32	2.65	88.5000	19.80	3
132	23.417	0.305	0.1612	1.0000	1.132	1.32	2.65	48.7000	19.90	3
133	38.765	0.305	0.2228	1.0000	1.132	1.32	2.65	66.7000	19.80	3
134	38.765	0.305	0.2277	1.0000	1.132	1.32	2.65	82.9000	19.80	3
135	38.765	0.305	0.2429	1.0000	1.132	1.32	2.65	115.0000	19.60	3
136	38.765	0.305	0.2542	1.0000	1.132	1.32	2.65	47.2000	19.60	3
137	38.765	0.305	0.2585	1.0000	1.132	1.32	2.65	83.9000	19.50	3
138	8.665	0.305	0.0759	1.0000	1.132	1.32	2.65	27.6000	22.30	5
139	8.665	0.305	0.0762	1.0000	1.132	1.32	2.65	29.1000	22.00	5
140	8.665	0.305	0.0759	1.0000	1.132	1.32	2.65	32.0000	22.00	5
141	8.665	0.305	0.0759	1.0000	1.132	1.32	2.65	23.3000	22.00	5
142	8.665	0.305	0.0759	1.0000	1.132	1.32	2.65	17.5000	22.00	5
143	23.417	0.305	0.1527	1.0000	1.132	1.32	2.65	63.0000	22.00	3
144	23.417	0.305	0.1567	1.0000	1.132	1.32	2.65	105.5000	22.20	3
145	23.417	0.305	0.1582	1.0000	1.132	1.32	2.65	65.7000	22.20	3
146	23.417	0.305	0.1600	1.0000	1.132	1.32	2.65	105.5000	22.20	3
147	23.417	0.305	0.1640	1.0000	1.132	1.32	2.65	57.1000	22.20	3
148	38.765	0.305	0.2271	1.0000	1.132	1.32	2.65	68.9000	22.40	3
149	38.765	0.305	0.2292	1.0000	1.132	1.32	2.65	95.6000	22.40	3
150	38.765	0.305	0.2429	1.0000	1.132	1.32	2.65	111.5000	22.40	3
151	38.765	0.305	0.2538	1.0000	1.132	1.32	2.65	45.2000	22.40	3
152	38.765	0.305	0.2606	1.0000	1.132	1.32	2.65	58.5000	22.40	3
153	8.665	0.305	0.0741	1.0000	0.982	1.44	2.65	17.5000	19.90	5
154	8.665	0.305	0.0750	1.0000	0.982	1.44	2.65	24.7000	19.90	5
155	8.665	0.305	0.0747	1.0000	0.982	1.44	2.65	30.6000	19.80	5
156	8.665	0.305	0.0753	1.0000	0.982	1.44	2.65	30.6000	19.80	5
157	8.665	0.305	0.0753	1.0000	0.982	1.44	2.65	30.6000	19.80	5
158	23.417	0.305	0.1521	1.0000	0.982	1.44	2.65	93.7000	19.60	3
159	23.417	0.305	0.1512	1.0000	0.982	1.44	2.65	124.4000	19.80	3
160	23.417	0.305	0.1573	1.0000	0.982	1.44	2.65	137.8000	19.80	3
161	23.417	0.305	0.1597	1.0000	0.982	1.44	2.65	120.1000	19.80	3
162	23.417	0.305	0.1585	1.0000	0.982	1.44	2.65	148.6000	19.80	3
163	38.765	0.305	0.2262	1.0000	0.982	1.44	2.65	78.0000	19.90	3
164	38.765	0.305	0.2326	1.0000	0.982	1.44	2.65	88.8000	19.90	3
165	38.765	0.305	0.2374	1.0000	0.982	1.44	2.65	112.9000	19.90	3

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S×1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	38.765	0.305	0.2405	1.0000	0.982	1.44	2.65	126.2000	19.90	3
167	38.765	0.305	0.2405	1.0000	0.982	1.44	2.65	135.9000	20.00	3
168	8.665	0.305	0.0750	1.0000	0.937	1.30	2.65	11.6000	20.60	5
169	8.665	0.305	0.0753	1.0000	0.937	1.30	2.65	34.9000	20.60	5
170	8.665	0.305	0.0756	1.0000	0.937	1.30	2.65	32.0000	20.60	5
171	8.665	0.305	0.0753	1.0000	0.937	1.30	2.65	26.2000	20.60	5
172	8.665	0.305	0.0753	1.0000	0.937	1.30	2.65	23.3000	20.60	5
173	23.417	0.305	0.1521	1.0000	0.937	1.30	2.65	68.9000	21.00	3
174	23.417	0.305	0.1524	1.0000	0.937	1.30	2.65	83.8000	21.00	3
175	23.417	0.305	0.1628	1.0000	0.937	1.30	2.65	74.3000	21.00	3
176	23.417	0.305	0.1640	1.0000	0.937	1.30	2.65	100.7000	21.00	3
177	23.417	0.305	0.1634	1.0000	0.937	1.30	2.65	83.5000	20.80	3
178	38.765	0.305	0.2252	1.0000	0.937	1.30	2.65	77.7000	20.80	3
179	38.765	0.305	0.2338	1.0000	0.937	1.30	2.65	103.4000	20.80	3
180	38.765	0.305	0.2393	1.0000	0.937	1.30	2.65	157.7000	21.00	3
181	38.765	0.305	0.2429	1.0000	0.937	1.30	2.65	135.0000	21.00	3
182	38.765	0.305	0.2399	1.0000	0.937	1.30	2.65	42.6000	21.00	3
183	8.665	0.305	0.0753	1.0000	0.956	1.53	2.65	24.7000	21.10	5
184	8.665	0.305	0.0753	1.0000	0.956	1.53	2.65	30.6000	21.10	5
185	8.665	0.305	0.0753	1.0000	0.956	1.53	2.65	24.7000	21.10	5
186	8.665	0.305	0.0753	1.0000	0.956	1.53	2.65	24.7000	21.00	5
187	8.665	0.305	0.0753	1.0000	0.956	1.53	2.65	17.5000	21.00	5
188	23.417	0.305	0.1518	1.0000	0.956	1.53	2.65	89.9000	21.00	3
189	23.417	0.305	0.1597	1.0000	0.956	1.53	2.65	102.3000	20.80	3
190	23.417	0.305	0.1600	1.0000	0.956	1.53	2.65	61.9000	20.80	3
191	23.417	0.305	0.1612	1.0000	0.956	1.53	2.65	73.7000	20.80	3
192	23.417	0.305	0.1622	1.0000	0.956	1.53	2.65	88.3000	21.00	3
193	38.765	0.305	0.2292	1.0000	0.956	1.53	2.65	69.9000	21.00	3
194	38.765	0.305	0.2393	1.0000	0.956	1.53	2.65	86.5000	21.00	3
195	38.765	0.305	0.2499	1.0000	0.956	1.53	2.65	112.9000	21.00	3
196	38.765	0.305	0.2499	1.0000	0.956	1.53	2.65	131.7000	21.00	3
197	38.765	0.305	0.2444	1.0000	0.956	1.53	2.65	45.5000	21.00	3
198	8.665	0.305	0.0759	1.0000	0.956	1.53	2.65	18.9000	24.30	5
199	8.665	0.305	0.0762	1.0000	0.956	1.53	2.65	40.7000	24.30	5
200	8.665	0.305	0.0765	1.0000	0.956	1.53	2.65	36.4000	24.30	5
201	8.665	0.305	0.0771	1.0000	0.956	1.53	2.65	68.4000	24.40	5
202	8.665	0.305	0.0771	1.0000	0.956	1.53	2.65	68.4000	24.40	5
203	23.417	0.305	0.1533	1.0000	0.956	1.53	2.65	79.7000	24.30	3
204	23.417	0.305	0.1594	1.0000	0.956	1.53	2.65	88.8000	24.30	3
205	23.417	0.305	0.1631	1.0000	0.956	1.53	2.65	121.1000	24.30	3
206	23.417	0.305	0.1622	1.0000	0.956	1.53	2.65	102.3000	24.30	3
207	23.417	0.305	0.1625	1.0000	0.956	1.53	2.65	102.3000	24.50	3
208	38.765	0.305	0.2274	1.0000	0.956	1.53	2.65	88.5000	24.50	3
209	38.765	0.305	0.2377	1.0000	0.956	1.53	2.65	83.3000	24.60	3
210	38.765	0.305	0.2466	1.0000	0.956	1.53	2.65	104.4000	24.60	3
211	38.765	0.305	0.2460	1.0000	0.956	1.53	2.65	109.3000	24.60	3
212	38.765	0.305	0.2493	1.0000	0.956	1.53	2.65	82.9000	24.60	3
213	8.665	0.305	0.0750	1.0000	0.934	1.63	2.65	11.6000	21.00	5
214	8.665	0.305	0.0753	1.0000	0.934	1.63	2.65	17.5000	21.00	5
215	8.665	0.305	0.0756	1.0000	0.934	1.63	2.65	30.6000	21.00	5
216	8.665	0.305	0.0753	1.0000	0.934	1.63	2.65	30.6000	21.00	5
217	8.665	0.305	0.0753	1.0000	0.934	1.63	2.65	24.7000	21.00	5
218	23.417	0.305	0.1524	1.0000	0.934	1.63	2.65	89.9000	20.90	3
219	23.417	0.305	0.1536	1.0000	0.934	1.63	2.65	101.7000	20.90	3
220	23.417	0.305	0.1533	1.0000	0.934	1.63	2.65	129.2000	20.90	3

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	23.417	0.305	0.1582	1.0000	0.934	1.63	2.65	75.9000	21.00	3
222	23.417	0.305	0.1597	1.0000	0.934	1.63	2.65	111.4000	21.00	3
223	38.765	0.305	0.2252	1.0000	0.934	1.63	2.65	75.5000	21.00	3
224	38.765	0.305	0.2301	1.0000	0.934	1.63	2.65	73.0000	21.00	3
225	38.765	0.305	0.2393	1.0000	0.934	1.63	2.65	126.5000	21.00	3
226	38.765	0.305	0.2475	1.0000	0.934	1.63	2.65	126.5000	21.00	3
227	38.765	0.305	0.2448	1.0000	0.934	1.63	2.65	86.5000	21.00	3
228	8.665	0.305	0.0756	1.0000	0.908	1.75	2.65	24.7000	22.30	5
229	8.665	0.305	0.0765	1.0000	0.908	1.75	2.65	36.4000	22.20	5
230	8.665	0.305	0.0765	1.0000	0.908	1.75	2.65	46.6000	22.60	5
231	8.665	0.305	0.0762	1.0000	0.908	1.75	2.65	36.4000	22.60	5
232	8.665	0.305	0.0762	1.0000	0.908	1.75	2.65	30.6000	22.60	5
233	23.417	0.305	0.1509	1.0000	0.908	1.75	2.65	75.4000	22.60	3
234	23.417	0.305	0.1530	1.0000	0.908	1.75	2.65	102.8000	22.60	3
235	23.417	0.305	0.1554	1.0000	0.908	1.75	2.65	78.1000	22.70	3
236	23.417	0.305	0.1539	1.0000	0.908	1.75	2.65	91.5000	22.80	3
237	23.417	0.305	0.1548	1.0000	0.908	1.75	2.65	64.6000	22.80	3
238	38.765	0.305	0.2295	1.0000	0.908	1.75	2.65	83.6000	22.80	3
239	38.765	0.305	0.2307	1.0000	0.908	1.75	2.65	108.0000	22.80	3
240	38.765	0.305	0.2356	1.0000	0.908	1.75	2.65	71.6000	22.50	3
241	38.765	0.305	0.2393	1.0000	0.908	1.75	2.65	109.3000	22.50	3
242	38.765	0.305	0.2481	1.0000	0.908	1.75	2.65	111.9000	22.40	3
243	8.665	0.305	0.0750	1.0000	0.908	1.75	2.65	29.1000	22.40	5
244	8.665	0.305	0.0756	1.0000	0.908	1.75	2.65	30.6000	22.40	5
245	8.665	0.305	0.0753	1.0000	0.908	1.75	2.65	30.6000	22.40	5
246	8.665	0.305	0.0753	1.0000	0.908	1.75	2.65	24.7000	22.40	5
247	8.665	0.305	0.0753	1.0000	0.908	1.75	2.65	18.9000	22.40	5
248	23.417	0.305	0.1527	1.0000	0.908	1.75	2.65	96.9000	22.40	3
249	23.417	0.305	0.1554	1.0000	0.908	1.75	2.65	84.5000	22.40	3
250	23.417	0.305	0.1576	1.0000	0.908	1.75	2.65	106.6000	22.40	3
251	23.417	0.305	0.1591	1.0000	0.908	1.75	2.65	80.2000	22.20	3
252	38.765	0.305	0.2268	1.0000	0.908	1.75	2.65	88.5000	22.20	3
253	38.765	0.305	0.2326	1.0000	0.908	1.75	2.65	118.7000	22.20	3
254	38.765	0.305	0.2374	1.0000	0.908	1.75	2.65	91.4000	22.20	3
255	38.765	0.305	0.2368	1.0000	0.908	1.75	2.65	121.0000	22.20	3
256	38.765	0.305	0.2478	1.0000	0.908	1.75	2.65	83.5000	22.30	3
257	8.665	0.305	0.0762	1.0000	0.703	1.29	2.65	58.2000	22.50	3
258	8.665	0.305	0.0765	1.0000	0.703	1.29	2.65	69.8000	22.50	3
259	8.665	0.305	0.0771	1.0000	0.703	1.29	2.65	64.0000	22.50	3
260	8.665	0.305	0.0771	1.0000	0.703	1.29	2.65	109.1000	22.60	3
261	8.665	0.305	0.0768	1.0000	0.703	1.29	2.65	75.7000	22.60	3
262	23.417	0.305	0.1506	1.0000	0.703	1.29	2.65	138.9000	22.60	3
263	23.417	0.305	0.1640	1.0000	0.703	1.29	2.65	132.4000	22.60	3
264	23.417	0.305	0.1701	1.0000	0.703	1.29	2.65	141.1000	20.80	3
265	23.417	0.305	0.1725	1.0000	0.703	1.29	2.65	88.3000	20.80	3
266	23.417	0.305	0.1743	1.0000	0.703	1.29	2.65	141.8000	20.80	3
267	38.765	0.305	0.2274	1.0000	0.703	1.29	2.65	84.2000	20.80	3
268	38.765	0.305	0.2368	1.0000	0.703	1.29	2.65	108.6000	20.90	3
269	38.765	0.305	0.2551	1.0000	0.703	1.29	2.65	57.9000	20.80	3
270	38.765	0.305	0.2640	1.0000	0.703	1.29	2.65	76.4000	20.80	3
271	38.765	0.305	0.2643	1.0000	0.703	1.29	2.65	115.1000	20.80	3
272	8.665	0.305	0.0747	1.0000	0.547	1.60	2.65	59.7000	21.20	5
273	8.665	0.305	0.0747	1.0000	0.547	1.60	2.65	59.7000	21.20	5
274	8.665	0.305	0.0744	1.0000	0.547	1.60	2.65	72.8000	21.20	3
275	8.665	0.305	0.0744	1.0000	0.547	1.60	2.65	59.7000	21.20	3

WSS - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1936B)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	8.665	0.305	0.0747	1.0000	0.547	1.60	2.65	53.8000	21.20	3
277	23.417	0.305	0.1472	1.0000	0.547	1.60	2.65	137.8000	21.50	3
278	23.417	0.305	0.1588	1.0000	0.547	1.60	2.65	138.9000	21.50	3
279	23.417	0.305	0.1634	1.0000	0.547	1.60	2.65	150.7000	21.50	3
280	23.417	0.305	0.1628	1.0000	0.547	1.60	2.65	137.8000	21.60	3
281	23.417	0.305	0.1637	1.0000	0.547	1.60	2.65	150.7000	21.60	3
282	38.765	0.305	0.2252	1.0000	0.547	1.60	2.65	87.2000	21.50	3
283	38.765	0.305	0.2414	1.0000	0.547	1.60	2.65	96.6000	21.50	3
284	38.765	0.305	0.2582	1.0000	0.547	1.60	2.65	87.2000	21.50	3
285	38.765	0.305	0.2813	1.0000	0.547	1.60	2.65	99.2000	21.50	3
286	8.665	0.305	0.0750	1.0000	0.685	1.61	2.65	55.3000	21.50	5
287	8.665	0.305	0.0750	1.0000	0.685	1.61	2.65	77.1000	21.50	5
288	8.665	0.305	0.0753	1.0000	0.685	1.61	2.65	65.5000	21.60	5
289	8.665	0.305	0.0771	1.0000	0.685	1.61	2.65	52.4000	21.60	5
290	8.665	0.305	0.0768	1.0000	0.685	1.61	2.65	55.3000	21.60	5
291	23.417	0.305	0.1506	1.0000	0.685	1.61	2.65	102.8000	21.60	3
292	23.417	0.305	0.1676	1.0000	0.685	1.61	2.65	111.4000	21.60	3
293	23.417	0.305	0.1756	1.0000	0.685	1.61	2.65	164.2000	21.70	3
294	23.417	0.305	0.1698	1.0000	0.685	1.61	2.65	183.0000	21.60	3
295	38.765	0.305	0.2265	1.0000	0.685	1.61	2.65	82.6000	21.80	3
296	38.765	0.305	0.2429	1.0000	0.685	1.61	2.65	89.4000	21.80	3
297	38.765	0.305	0.2603	1.0000	0.685	1.61	2.65	87.2000	21.90	3
298	38.765	0.305	0.2633	1.0000	0.685	1.61	2.65	105.4000	21.90	3
299	38.765	0.305	0.2676	1.0000	0.685	1.61	2.65	121.0000	21.90	3
300	8.665	0.305	0.0744	1.0000	0.455	1.77	2.65	55.3000	23.50	5
301	8.665	0.305	0.0735	1.0000	0.455	1.77	2.65	59.7000	23.50	5
302	8.665	0.305	0.0741	1.0000	0.455	1.77	2.65	68.4000	23.50	5
303	8.665	0.305	0.0735	1.0000	0.455	1.77	2.65	68.4000	23.50	5
304	8.665	0.305	0.0732	1.0000	0.455	1.77	2.65	66.9000	23.50	5
305	23.417	0.305	0.1518	1.0000	0.455	1.77	2.65	92.1000	23.80	3
306	23.417	0.305	0.1533	1.0000	0.455	1.77	2.65	170.7000	23.80	3
307	23.417	0.305	0.1618	1.0000	0.455	1.77	2.65	141.1000	23.80	3
308	23.417	0.305	0.1594	1.0000	0.455	1.77	2.65	137.8000	24.00	3
309	23.417	0.305	0.1576	1.0000	0.455	1.77	2.65	92.1000	24.00	3
310	38.765	0.305	0.2234	1.0000	0.455	1.77	2.65	70.9000	24.00	3
311	38.765	0.305	0.2371	1.0000	0.455	1.77	2.65	120.7000	24.00	3
312	38.765	0.305	0.2524	1.0000	0.455	1.77	2.65	131.4000	24.20	3
313	38.765	0.305	0.2566	1.0000	0.455	1.77	2.65	119.7000	24.40	3

WTT - DATA OF U.S. WATERWAYS EXPERIMENT STATION (1935B)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	76.3080	15.98	0
2	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	125.8540	13.02	0
3	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	66.4000	16.70	0
4	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	174.2930	19.18	0
5	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	160.5690	20.51	0
6	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	74.9770	21.55	0
7	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	236.7140	23.03	0
8	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	68.3300	24.02	0
9	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	251.9300	25.23	0
10	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	77.0500	25.03	0
11	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	265.9910	24.35	0
12	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	75.3860	24.00	0
13	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	287.0498	24.06	0
14	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	75.1500	24.00	0
15	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	267.7598	23.02	0
16	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	82.1830	23.52	0
17	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	231.1670	24.03	0
18	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	65.2670	23.10	0
19	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	278.3398	24.00	0
20	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	80.5800	25.00	0
21	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	277.7798	25.50	0
22	6.569	0.305	0.0610	1.0000	0.500	1.86	2.65	89.0400	25.50	0
23	23.870	0.305	0.1524	1.0000	0.500	1.86	2.65	272.5198	25.72	0

ZNA - DATA OF ZNAMENSKAYA, N.S. (1963)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	20.000	0.500	0.0730	2.2600	0.800	1.60	2.65	250.0000	-1.00	3
2	20.500	0.500	0.0710	2.3200	0.800	1.60	2.65	480.7000	-1.00	3
3	17.000	0.500	0.0540	3.2100	0.800	1.60	2.65	1175.0000	-1.00	3
4	17.500	0.500	0.0440	6.6000	0.800	1.60	2.65	2290.0000	-1.00	6
5	37.200	0.500	0.1340	3.0000	0.800	1.60	2.65	269.0000	-1.00	3
6	37.200	0.500	0.1200	3.2000	0.800	1.60	2.65	538.0000	-1.00	3
7	37.200	0.500	0.1060	4.0300	0.800	1.60	2.65	1075.0000	-1.00	3
8	37.200	0.500	0.0950	4.7000	0.800	1.60	2.65	1344.0000	-1.00	3
9	60.900	0.500	0.1900	2.0000	0.800	1.60	2.65	164.0000	-1.00	3
10	60.900	0.500	0.2040	3.3000	0.800	1.60	2.65	328.0000	-1.00	3
11	60.900	0.500	0.1790	2.7000	0.800	1.60	2.65	657.0000	-1.00	3
12	60.900	0.500	0.1600	4.1000	0.800	1.60	2.65	984.0000	-1.00	3
13	60.900	0.500	0.1530	5.2000	0.800	1.60	2.65	1313.0000	-1.00	3
14	35.400	0.500	0.1340	1.4900	0.800	1.60	2.65	565.0000	-1.00	3
15	36.400	0.500	0.1230	2.5000	0.800	1.60	2.65	550.0000	-1.00	3
16	35.400	0.500	0.1120	3.0800	0.800	1.60	2.65	283.0000	-1.00	3
17	35.400	0.500	0.0970	3.0000	0.800	1.60	2.65	565.0000	-1.00	3
18	36.600	0.500	0.0860	4.3600	0.800	1.60	2.65	1090.0000	-1.00	6
19	36.600	0.500	0.0750	3.6000	0.800	1.60	2.65	1365.0000	-1.00	6
20	19.400	0.500	0.0808	1.1800	0.800	1.60	2.65	129.0000	-1.00	3
21	19.500	0.500	0.0795	1.3300	0.800	1.60	2.65	256.0000	-1.00	3
22	20.000	0.500	0.0740	2.1200	0.800	1.60	2.65	500.0000	-1.00	3
23	20.000	0.500	0.0600	3.1000	0.800	1.60	2.65	1000.0000	-1.00	3
24	20.000	0.500	0.0580	4.4000	0.800	1.60	2.65	2000.0000	-1.00	3
25	20.000	0.500	0.0500	6.2000	0.800	1.60	2.65	3000.0000	-1.00	6
26	19.800	0.500	0.0880	1.5000	0.800	1.60	2.65	126.0000	-1.00	3
27	10.500	0.500	0.0580	3.2500	0.180	3.30	2.65	238.0000	-1.00	3
28	9.800	0.500	0.0500	2.8000	0.180	3.30	2.65	510.0000	-1.00	3
29	29.400	0.500	0.1320	1.4800	0.180	3.30	2.65	85.0000	-1.00	3
30	29.800	0.500	0.1410	1.5300	0.180	3.30	2.65	168.0000	-1.00	3
31	30.000	0.500	0.1220	1.6600	0.180	3.30	2.65	150.0000	-1.00	3
32	30.000	0.500	0.1150	1.8000	0.180	3.30	2.65	500.0000	-1.00	3
33	29.800	0.500	0.0920	3.5000	0.180	3.30	2.65	1007.0000	-1.00	6
34	30.400	0.500	0.0860	2.0700	0.180	3.30	2.65	1975.0000	-1.00	5
35	18.500	0.500	0.0400	8.0000	0.180	3.30	2.65	3240.0000	-1.00	7
36	9.200	0.500	0.0820	2.7900	0.180	3.30	2.65	272.0000	-1.00	3

TABLE 4
FIELD DATA

ACP - ACOP CANAL DATA OF MAHMOOD, ET AL.(1979)
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	54736.465	35.662	2.1946	0.0892	0.124	1.22	2.65	560.0000	16.00	0
2	51904.777	35.662	2.1946	0.0861	0.136	1.28	2.65	386.0000	17.50	0
3	51876.465	35.357	2.1946	0.0856	0.123	1.22	2.65	422.0000	17.00	0
4	54368.348	35.357	2.1946	0.0853	0.129	1.25	2.65	367.0000	18.00	0
5	52924.188	35.357	2.1641	0.0853	0.132	1.27	2.65	153.0000	18.00	0
6	85205.375	47.854	2.1031	0.1315	0.168	1.21	2.65	322.0000	21.00	0
7	90415.688	49.378	2.1336	0.1533	0.173	1.22	2.65	517.0000	21.00	0
8	79173.875	46.939	2.4384	0.0952	0.142	1.23	2.65	383.0000	21.00	0
9	55161.219	35.966	2.2250	0.0848	0.112	1.25	2.65	298.0000	22.00	0
10	72661.000	46.634	2.3165	0.1155	0.150	1.23	2.65	142.0000	24.50	0
11	56293.891	35.966	2.2860	0.0756	0.138	1.34	2.65	184.0000	24.00	0
12	81524.188	49.073	2.1336	0.1522	0.182	1.24	2.65	399.0000	20.00	0
13	70395.625	46.634	2.3165	0.1160	0.144	1.25	2.65	323.0000	29.00	0
14	86338.063	49.378	2.1641	0.1465	0.170	1.22	2.65	1007.0000	29.00	0
15	55642.602	35.662	2.3470	0.0766	0.113	1.32	2.65	511.0000	28.00	0
16	71924.750	46.634	2.3165	0.1124	0.148	1.23	2.65	796.0000	28.00	0
17	85318.625	49.073	2.1641	0.1466	0.172	1.22	2.65	-1.0000	28.00	0
18	74841.375	46.634	2.2860	0.1071	0.152	1.20	2.65	304.0000	28.40	0
19	75322.750	46.330	2.2860	0.1040	0.161	1.18	2.65	240.0000	28.00	0
20	72661.000	46.634	2.3470	0.1123	0.156	1.19	2.65	310.0000	29.00	0
21	74218.438	46.634	2.2860	0.1136	0.155	1.17	2.65	333.0000	27.50	0
22	75832.500	46.330	2.3470	0.1052	0.162	1.17	2.65	-1.0000	28.00	0
23	74105.188	46.634	2.2250	0.1155	0.142	1.24	2.65	233.0000	32.00	0
24	78550.938	46.634	2.3165	0.1067	0.149	1.20	2.65	385.0000	31.50	3
25	75860.813	46.634	2.3165	0.1145	0.148	1.23	2.65	351.0000	31.00	0
26	77276.625	46.634	2.2555	0.1091	0.147	1.22	2.65	577.0000	31.00	0
27	77106.750	46.330	2.2555	0.1083	0.149	1.22	2.65	289.0000	31.00	0
28	73595.438	46.634	2.2555	0.1107	0.145	1.23	2.65	335.0000	31.00	0
29	83308.125	49.073	2.0726	0.1445	0.179	1.25	2.65	122.0000	32.00	0
30	87499.000	49.378	2.1946	0.1435	0.176	1.23	2.65	328.0000	32.00	0
31	58332.703	35.966	2.4689	0.0872	0.122	1.25	2.65	166.0000	29.00	0
32	67705.563	46.634	2.1641	0.1104	0.147	1.24	2.65	372.0000	36.00	0
33	52131.313	35.662	2.2860	0.0753	0.110	1.25	2.65	156.0000	32.00	0
34	75690.875	49.073	2.1641	0.1479	0.193	1.25	2.65	98.0000	34.00	0
35	52131.313	49.073	1.4326	0.1478	0.140	1.20	2.65	445.0000	31.00	0
36	56803.602	46.330	1.9202	0.1088	0.144	1.25	2.65	225.0000	30.00	0
37	47827.152	46.330	1.7983	0.1080	0.169	1.25	2.65	215.0000	31.60	0
38	44004.379	48.768	1.3411	0.1446	0.177	1.20	2.65	94.0000	31.00	0
39	29591.102	35.662	1.6764	0.0854	0.085	1.31	2.65	103.0000	31.00	0
40	49639.430	46.634	1.6764	0.1099	0.147	1.19	2.65	36.0000	30.00	0
41	84016.063	49.378	2.1641	0.1456	0.167	1.29	2.65	56.0000	31.00	3
42	70027.563	47.244	2.1641	0.1156	0.153	1.19	2.65	48.0000	30.40	3
43	67110.875	46.939	2.1336	0.1121	0.152	1.24	2.65	54.0000	30.00	0
44	70424.000	46.634	2.1946	0.1153	0.143	1.25	2.65	82.0000	30.00	0
45	52414.480	35.662	2.5298	0.0763	0.117	1.18	2.65	128.0000	28.00	3
46	61730.723	35.662	2.5298	0.0735	0.127	1.20	2.65	79.0000	29.00	0
47	67847.125	46.634	2.1336	0.1243	0.159	1.19	2.65	146.0000	25.00	0
48	70395.625	46.634	2.1641	0.1005	0.142	1.25	2.65	346.0000	25.00	3
49	70707.125	46.634	2.1641	0.0993	0.146	1.25	2.65	366.0000	25.00	3
50	69178.000	46.939	2.1641	0.1023	0.164	1.24	2.65	262.0000	25.00	0
51	65921.563	46.634	2.1641	0.1067	0.151	1.26	2.65	290.0000	25.00	3
52	80193.250	49.073	2.0422	0.1475	0.178	1.23	2.65	69.0000	25.00	3
53	71301.813	46.634	2.1031	0.1043	0.211	1.38	2.65	79.0000	24.00	3
54	68130.313	46.025	2.0726	0.1273	0.149	1.21	2.65	529.0000	21.20	3
55	52471.117	35.357	2.2860	0.0884	0.123	1.23	2.65	869.0000	23.60	5

ACP - ACOP CANAL DATA OF MAHMOOD, ET AL.(1979)
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	50602.199	35.662	2.2250	0.0742	0.128	1.23	2.65	54.0000	24.00	5
57	51423.395	35.662	2.3165	0.0702	0.114	1.22	2.65	76.0000	23.00	5
58	48620.027	35.662	2.3165	0.0715	0.116	1.26	2.65	32.0000	23.00	0
59	52272.898	35.357	2.2555	0.0730	0.121	1.27	2.65	58.0000	23.00	0
60	54141.813	35.357	2.2555	0.0674	0.112	1.25	2.65	61.0000	21.00	0
61	86536.250	49.682	2.1641	0.1544	0.207	1.30	2.65	71.0000	16.50	3
62	89481.188	49.682	2.1641	0.1539	0.185	1.29	2.65	104.0000	16.00	0
63	86253.063	49.682	2.2250	0.1543	0.186	1.25	2.65	167.0000	17.00	3
64	79598.625	50.597	2.1336	0.1543	0.191	1.25	2.65	279.0000	16.00	0
65	56888.547	47.244	2.0422	0.1481	0.145	1.21	2.65	-1.0000	16.00	4
66	68781.625	47.244	2.2250	0.1472	0.155	1.16	2.65	845.0000	16.00	3
67	68838.250	47.854	2.1946	0.1476	0.152	1.18	2.65	410.0000	15.00	3
68	63769.543	47.549	2.1641	0.1504	0.156	1.17	2.65	110.0000	16.00	0
69	68923.188	124.968	1.4630	0.0451	0.195	1.50	2.65	5.0000	18.60	0
70	136317.250	127.406	1.7678	0.0859	0.133	1.42	2.65	34.0000	27.70	0
71	146624.625	126.492	1.7069	0.0873	0.198	1.60	2.65	48.0000	30.00	0
72	279798.750	135.941	2.3165	0.1122	0.293	1.37	2.65	123.0000	27.70	4
73	363333.438	128.016	2.7737	0.0931	0.260	1.38	2.65	265.0000	26.40	0
74	450804.188	131.978	3.0175	0.1487	0.199	1.39	2.65	-1.0000	26.60	0
75	458081.625	131.369	3.0480	0.1500	0.226	1.47	2.65	-1.0000	27.20	0
76	297157.000	128.321	2.5603	0.0965	0.154	1.16	2.65	2083.0000	25.00	0
77	291267.063	128.626	2.5908	0.0996	0.176	1.33	2.65	115.0000	22.70	0
78	297411.875	129.235	2.6213	0.0978	0.187	1.36	2.65	229.0000	19.40	0
79	110124.188	125.578	1.8593	0.0862	0.241	1.44	2.65	19.0000	17.20	0
80	207619.125	126.187	2.1641	0.0988	0.273	1.41	2.65	49.0000	13.90	0
81	222089.000	128.016	2.2555	0.1038	0.226	1.42	2.65	97.0000	12.20	0
82	233104.250	140.208	2.0726	0.0978	0.206	1.34	2.65	268.0000	12.40	5
83	179557.125	124.358	2.0422	0.1123	0.223	1.39	2.65	52.0000	21.10	0
84	41880.613	99.060	1.0058	0.0982	0.163	1.28	2.65	-1.0000	15.60	0
85	29477.836	93.269	0.7620	0.0882	0.152	1.46	2.65	16.0000	16.70	0
86	27495.656	86.258	0.9144	0.1418	0.128	1.59	2.65	15.0000	18.30	0
87	28769.918	85.649	0.9144	0.1240	0.154	1.56	2.65	13.0000	17.80	0
88	75605.938	88.392	1.4630	0.0915	0.092	1.32	2.65	-1.0000	23.90	0
89	78919.000	99.670	1.3411	0.1042	0.167	1.50	2.65	88.0000	25.50	0
90	77984.563	94.183	1.4326	0.1419	0.142	1.37	2.65	-1.0000	24.40	0
91	85290.313	88.392	1.4630	0.1293	0.164	1.53	2.65	132.0000	26.00	0
92	80561.375	100.279	1.3716	0.0908	0.175	1.64	2.65	-1.0000	25.00	0
93	74303.375	94.793	1.4935	0.1424	0.146	1.29	2.65	77.0000	26.10	0
94	90528.938	88.392	1.5240	0.1370	0.148	1.55	2.65	183.0000	27.80	0
95	94266.750	88.392	1.4630	0.1370	0.084	1.27	2.65	190.0000	27.80	5
96	92794.313	100.889	1.4021	0.1058	0.154	1.52	2.65	106.0000	26.70	4
97	151240.250	90.221	1.8898	0.1518	0.116	1.29	2.65	188.0000	28.90	0
98	166871.125	90.526	1.8898	0.1133	0.179	1.36	2.65	319.0000	28.30	0
99	391055.625	92.050	3.6576	0.1500	0.157	1.34	2.65	342.0000	30.00	0
100	380578.438	101.498	2.8956	0.1050	0.182	1.34	2.65	57.0000	30.00	0
101	183832.938	91.135	2.1946	0.1376	0.173	1.56	2.65	373.0000	26.00	0
102	98939.000	86.563	1.6459	0.1271	0.167	1.49	2.65	232.0000	25.90	0
103	99477.063	86.563	1.6459	0.1292	0.192	1.55	2.65	289.0000	25.80	0
104	96588.750	86.563	1.6154	0.1387	0.131	1.41	2.65	331.0000	25.80	0
105	346711.500	110.642	3.3223	0.1234	0.252	1.34	2.65	71.0000	14.00	0
106	355716.250	116.738	3.2614	0.1093	0.299	1.35	2.65	42.0000	13.70	3
107	357755.000	111.252	3.5357	0.1246	0.201	1.34	2.65	162.0000	14.50	0
108	428150.750	113.995	3.6881	0.1217	0.210	1.30	2.65	54.0000	13.00	0
109	388054.000	121.920	3.6576	0.1075	0.331	1.39	2.65	18.0000	-1.00	0
110	387686.000	122.225	3.7186	0.1070	0.279	1.37	2.65	32.0000	15.00	0

ACP - ACOP CANAL DATA OF MAHMOOD, ET AL.(1979)
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	337261.875	116.434	3.2004	0.1120	0.289	1.37	2.65	39.0000	14.60	0
112	375651.250	125.882	3.8100	0.1161	0.268	1.49	2.65	17.0000	-1.00	0
113	371800.188	113.386	3.5052	0.1203	0.234	1.37	2.65	493.0000	14.80	0
114	404619.375	114.300	3.5662	0.1186	0.197	1.31	2.65	614.0000	14.00	0
115	392698.000	119.786	3.5662	0.1116	0.275	1.40	2.65	94.0000	14.00	0
116	362908.688	120.091	3.5662	0.1115	0.272	1.36	2.65	116.0000	14.90	0
117	363644.938	110.947	3.4442	0.1196	0.275	1.38	2.65	103.0000	15.80	0
118	394765.125	117.653	3.5357	0.1132	0.279	1.33	2.65	44.0000	16.40	0
119	481924.375	123.444	4.2977	0.0788	0.364	1.28	2.65	29.0000	18.10	0
120	393207.688	111.862	3.5662	0.1208	0.242	1.29	2.65	108.0000	23.80	0
121	412718.000	118.262	3.5966	0.1205	0.220	1.29	2.65	57.0000	21.00	0
122	412038.438	111.862	3.6271	0.1192	0.170	1.23	2.65	218.0000	24.70	0
123	414473.625	111.557	3.6881	0.1212	0.214	1.29	2.65	86.0000	23.10	0
124	412293.250	118.262	3.6271	0.1195	0.233	1.27	2.65	106.0000	23.30	0
125	423251.875	118.262	3.6271	0.1206	0.258	1.30	2.65	59.0000	23.90	4
126	395133.250	113.081	3.8100	0.0606	0.222	1.26	2.65	89.0000	26.90	0
127	417418.625	112.471	3.6576	0.1167	0.202	1.25	2.65	114.0000	25.40	0
128	528675.625	123.444	3.7186	0.0551	0.113	1.27	2.65	95.0000	23.40	0
129	349967.875	112.166	3.4747	0.1115	0.205	1.30	2.65	106.0000	13.10	0
130	349458.188	111.557	3.4138	0.1207	0.230	1.41	2.65	44.0000	15.00	3
131	342945.375	110.947	3.2918	0.1193	0.250	1.43	2.65	33.0000	16.20	0
132	267650.813	117.348	2.8042	0.1124	0.313	1.40	2.65	65.0000	18.00	3
133	321509.500	119.786	3.4138	0.0876	0.169	1.43	2.65	138.0000	14.00	0
134	441289.750	120.396	4.0843	0.0927	0.208	1.31	2.65	181.0000	23.00	0
135	451398.875	121.920	4.2367	0.0975	0.202	1.39	2.65	67.0000	27.00	0
136	486823.250	123.444	4.2672	0.1026	0.199	1.53	2.65	205.0000	29.00	3
137	224439.313	120.701	2.4994	0.0819	0.195	1.75	2.65	65.0000	31.00	0
138	158092.938	118.872	2.2250	0.0695	0.083	1.26	2.65	369.0000	28.00	5
139	139743.625	71.933	2.2250	0.1067	0.149	1.30	2.65	391.0000	25.00	0
140	76936.875	69.494	1.8288	0.1321	0.108	1.52	2.65	125.0000	27.00	0
141	97438.250	70.409	2.1031	0.1343	0.147	1.33	2.65	164.0000	26.00	0
142	110718.875	71.018	2.1641	0.1369	0.179	1.29	2.65	481.0000	26.00	0
143	130455.688	70.409	2.3470	0.1292	0.125	1.56	2.65	297.0000	25.00	0
144	140140.063	70.104	2.3470	0.1337	0.126	1.40	2.65	564.0000	28.00	0
145	137818.063	69.190	2.3774	0.1330	0.132	1.40	2.65	607.0000	28.00	0
146	138044.625	70.409	2.4079	0.1490	0.118	1.39	2.65	563.0000	26.00	0
147	156478.875	72.238	2.4079	0.1493	0.161	1.28	2.65	228.0000	26.80	4
148	153817.063	71.628	2.3470	0.1658	0.144	1.29	2.65	584.0000	26.00	3
149	153307.375	70.714	2.1031	0.1347	0.174	1.49	2.65	419.0000	30.00	4
150	169674.500	70.714	1.8898	0.1336	0.164	1.42	2.65	872.0000	30.00	0
151	169079.875	72.238	2.4689	0.1214	0.162	1.30	2.65	169.0000	28.00	0

AMC - AMERICAN CANAL DATA OF SIMONS, D.B. (1957)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	5011.930	7.620	0.8900	0.3300	0.580	2.21	2.65	448.0000	26.11	4
2	29193.785	22.189	2.5268	0.0580	0.253	2.19	2.65	115.0000	22.22	3
3	12600.613	11.735	1.8318	0.0630	0.096	3.45	2.65	370.0000	23.22	5
4	4142.629	9.327	1.0698	0.1350	0.318	2.78	2.65	254.0000	25.00	3
5	4836.367	10.729	0.8870	0.2370	0.465	2.69	2.65	52.0000	26.11	3
6	25003.020	15.118	2.4018	0.1810	7.000	13.83	2.65	99.1000	16.67	5
7	29420.313	14.813	2.5908	0.1200	0.311	2.21	2.65	185.0000	21.67	3
8	1557.380	3.505	0.7955	0.2530	0.173	3.49	2.65	249.0000	20.56	4
9	1217.588	3.200	0.8047	0.2940	0.229	3.85	2.65	406.0000	21.11	3
10	5623.555	7.589	1.0089	0.3020	0.715	2.01	2.65	123.0000	22.78	4
11	3199.707	3.962	1.3198	0.1100	0.349	3.29	2.65	44.0000	26.11	5

ATC - ATCHAFALAYA RIVER DATA OF TOFFALETI, F.B. (1968)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	14186313.000	503.224	14.7218	0.0492	0.182	1.44	2.65	501.2229	15.00	0
2	13846521.000	483.717	14.1122	0.0503	0.167	1.33	2.65	474.0798	21.11	0
3	12572301.000	476.097	14.2037	0.0465	0.170	1.37	2.65	365.0718	21.11	0
4	12147561.000	457.200	13.7465	0.0505	0.226	1.68	2.65	280.5669	16.67	0
5	12005981.000	457.200	13.4112	0.0513	0.226	1.63	2.65	178.1120	17.73	0
6	11779453.000	469.696	14.5390	0.0445	0.288	1.90	2.65	260.3569	20.56	0
7	11637873.000	468.782	14.7523	0.0445	0.268	1.79	2.65	231.9380	16.11	0
8	11496293.000	454.152	13.2893	0.0500	0.261	1.63	2.65	567.3428	18.33	0
9	11241449.000	454.152	13.1674	0.0479	0.186	1.47	2.65	333.5479	15.00	0
10	10222073.000	451.104	13.2283	0.0443	0.188	1.47	2.65	342.6638	12.22	0
11	9542490.000	448.056	13.8684	0.0453	0.230	1.75	2.65	59.6550	20.00	0
12	9174382.000	417.576	13.3807	0.0416	0.184	1.53	2.65	386.9468	11.67	0
13	8664694.000	435.864	12.9540	0.0414	0.288	1.71	2.65	156.4890	22.22	0
14	8523114.000	435.864	12.8016	0.0380	0.161	1.34	2.65	179.4220	7.78	0
15	8523114.000	412.394	13.8074	0.0398	0.191	1.51	2.65	236.9700	10.00	0
16	8438166.000	408.432	11.6434	0.0385	0.137	1.43	2.65	404.5269	8.89	0
17	8353218.000	414.528	12.0701	0.0425	0.218	1.62	2.65	193.6330	18.33	0
18	8041742.000	406.298	13.6246	0.0374	0.179	1.49	2.65	222.2910	25.56	0
19	7985110.000	438.912	11.8567	0.0375	0.176	1.39	2.65	206.9000	8.33	0
20	7786898.000	411.479	10.8814	0.0380	0.146	1.53	2.65	102.3740	7.78	0
21	6852470.000	402.336	11.0033	0.0336	0.159	1.27	2.65	183.4670	7.22	0
22	6597626.000	393.192	12.8626	0.0342	0.174	2.00	2.65	145.8210	28.89	0
23	5493302.000	408.432	11.2471	0.0362	0.123	1.78	2.65	119.6890	33.89	0
24	5380038.000	405.384	10.8814	0.0346	0.228	1.70	2.65	74.4770	25.56	0
25	4983614.000	387.096	9.4183	0.0276	0.105	1.91	2.65	251.6350	7.78	0
26	4615507.000	390.144	9.0526	0.0277	0.158	1.28	2.65	231.6540	5.00	0
27	4162451.000	396.240	10.5461	0.0310	0.123	1.78	2.65	33.3070	33.33	0
28	3850975.000	340.461	10.8509	0.0204	0.303	1.85	2.65	121.7760	8.33	0
29	3624447.000	368.808	8.1077	0.0236	0.159	1.52	2.65	174.4480	9.44	0
30	3624447.000	390.144	10.0889	0.0323	0.123	1.78	2.65	57.0870	33.89	0
31	3539499.000	365.760	8.3210	0.0226	0.123	1.74	2.65	207.7150	9.44	0
32	3482867.000	350.520	9.2964	0.0197	0.183	1.48	2.65	60.6140	22.22	0
33	3397919.000	373.075	10.5156	0.0291	0.250	1.57	2.65	44.5100	18.89	0
34	3284655.000	350.520	7.8638	0.0153	0.085	1.72	2.65	225.1100	21.11	0
35	3086443.000	374.904	9.4793	0.0265	0.123	1.78	2.65	49.3430	27.22	0
36	2766472.000	349.300	10.4851	0.0258	0.211	1.93	2.65	32.6880	17.22	0
37	2729661.000	344.424	8.2296	0.0190	0.182	1.50	2.65	66.5650	25.00	0
38	2554102.000	348.081	9.9060	0.0266	0.149	1.87	2.65	15.7500	28.89	0
39	2500302.000	329.184	10.4546	0.0187	0.195	1.65	2.65	28.8170	28.89	0
40	2474817.000	335.889	10.5156	0.0243	0.166	1.96	2.65	170.0000	8.33	0
41	2421017.000	334.975	9.9060	0.0166	0.220	1.74	2.65	43.8160	29.44	0
42	2415354.000	327.355	10.5766	0.0187	0.220	1.81	2.65	36.7440	14.44	0
43	2358722.000	338.328	8.9002	0.0243	0.242	1.89	2.65	23.1550	29.44	0
44	2327574.000	334.365	9.2050	0.0181	0.145	1.66	2.65	135.8240	5.56	0
45	2287932.000	327.965	10.1803	0.0196	0.199	1.68	2.65	26.3960	30.56	0
46	2287932.000	327.660	9.8755	0.0181	0.215	1.79	2.65	21.0250	28.89	0
47	2282269.000	333.756	9.9365	0.0219	0.204	1.72	2.65	12.5170	5.56	0
48	2279437.000	331.013	9.9365	0.0150	0.198	1.65	2.65	14.6530	25.00	0
49	2177499.000	322.478	10.2413	0.0173	0.231	1.78	2.65	19.5830	18.89	0
50	2154847.000	321.869	10.3022	0.0173	0.200	1.61	2.65	16.4750	13.33	0
51	2143520.000	328.269	9.8450	0.0150	0.208	1.77	2.65	22.5880	27.78	0
52	2044414.000	321.564	9.9670	0.0225	0.195	1.52	2.65	13.7680	28.33	0
53	1769749.000	323.088	7.0409	0.0155	0.125	1.70	2.65	61.7210	23.89	0
54	1707454.000	323.088	7.5895	0.0135	0.134	1.68	2.65	22.6980	26.67	0
55	1449778.000	316.992	6.9190	0.0136	0.113	1.84	2.65	42.3810	25.56	0

ATC - ATCHAFALAYA RIVER DATA OF TOFFALETI, F.B. (1968)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	1393146.000	316.992	6.8885	0.0105	0.091	2.04	2.65	38.2230	30.00	0
57	1376157.000	316.992	7.1933	0.0100	0.123	1.76	2.65	36.2520	28.89	0
58	1262893.000	316.992	6.6142	0.0108	0.096	1.96	2.65	16.7990	26.11	0
59	1240240.000	313.944	6.7970	0.0106	0.123	1.81	2.65	17.1060	29.44	0
60	1237408.000	313.944	6.7361	0.0113	0.092	2.03	2.65	19.1830	30.00	0
61	1237408.000	316.992	6.7970	0.0112	0.110	1.83	2.65	15.4480	28.33	0
62	1214756.000	316.992	6.4008	0.0107	0.117	1.76	2.65	24.7280	17.78	0
63	1200598.000	316.992	6.4618	0.0096	0.123	1.82	2.65	18.9830	18.89	0
64	1169450.000	313.944	6.8275	0.0110	0.101	2.06	2.65	6.2870	28.33	0
65	1138302.000	313.944	6.2179	0.0101	-1.000	-1.00	2.65	23.4360	15.00	0
66	1084502.000	313.944	6.2789	0.0089	-1.000	-1.00	2.65	18.4980	18.33	0
67	1073176.000	313.944	6.8885	0.0100	0.089	2.16	2.65	4.3060	26.11	0
68	843816.625	310.896	6.4313	0.0069	0.106	1.89	2.65	2.8010	30.56	0
69	719226.250	307.848	6.2484	0.0056	0.096	2.10	2.65	8.2510	28.89	0
70	651267.750	307.848	6.2179	0.0043	-1.000	-1.00	2.65	8.9500	28.89	0
71	637109.750	307.848	6.2179	0.0098	0.137	1.57	2.65	5.6050	29.44	0
72	382265.875	304.800	6.0960	0.0021	-1.000	-1.00	2.65	0.6040	30.56	0

CHI - CANAL DATA OF CHITALE, S.V. (1966)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	242186.625	79.096	3.5601	0.0642	0.057	-1.00	2.65	1490.0000	-1.00	0
2	163723.000	66.547	3.3924	0.0567	0.082	-1.00	2.65	1518.9988	-1.00	0
3	166356.375	66.544	3.4107	0.0567	0.080	-1.00	2.65	1424.9988	-1.00	0
4	157408.500	56.467	3.3498	0.0700	0.030	-1.00	2.65	2316.0000	-1.00	0
5	158371.250	56.610	3.3528	0.0700	0.039	-1.00	2.65	2174.9988	-1.00	0
6	156049.375	56.272	3.3894	0.0600	0.020	-1.00	2.65	2600.9958	-1.00	0
7	153246.125	56.022	3.3680	0.0600	0.024	-1.00	2.65	2886.9968	-1.00	0
8	132802.000	51.901	3.2918	0.0650	0.064	-1.00	2.65	1976.0000	-1.00	0
9	131386.125	51.505	3.2918	0.0650	0.066	-1.00	2.65	1592.9988	-1.00	0
10	27673.203	17.983	2.5207	0.0700	0.033	-1.00	2.65	831.0000	-1.00	0
11	27503.313	17.892	2.5116	0.0700	0.039	-1.00	2.65	822.0000	-1.00	0
12	14809.262	13.551	1.8593	0.0800	0.043	-1.00	2.65	2466.9988	-1.00	0
13	14107.020	13.493	1.8501	0.0800	0.036	-1.00	2.65	1893.9988	-1.00	0
14	14033.398	14.658	1.7191	0.0800	0.037	-1.00	2.65	4229.9922	-1.00	0
15	68918.250	25.682	2.5451	0.1100	0.033	-1.00	2.65	3507.9958	-1.00	0
16	68819.125	25.765	2.5542	0.1100	0.031	-1.00	2.65	3556.9968	-1.00	0
17	59163.426	25.490	2.4445	0.0842	0.021	-1.00	2.65	5758.9922	-1.00	0
18	60720.805	25.560	2.4933	0.0842	0.025	-1.00	2.65	5181.9922	-1.00	0
19	27888.406	18.169	2.1671	0.1116	0.050	-1.00	2.65	2600.9958	-1.00	0
20	24589.598	18.072	2.2433	0.1200	0.046	-1.00	2.65	2516.9988	-1.00	0
21	13189.570	10.701	1.9385	0.1000	0.051	-1.00	2.65	671.0000	-1.00	0
22	13413.277	10.577	1.9660	0.1000	0.050	-1.00	2.65	981.0000	-1.00	0
23	30857.352	20.565	2.3652	0.0800	0.064	-1.00	2.65	918.0000	-1.00	0
24	33738.504	20.577	2.3835	0.0800	0.043	-1.00	2.65	797.0000	-1.00	0
25	19449.969	16.026	2.3805	0.0877	0.044	-1.00	2.65	624.0000	-1.00	0
26	19223.719	15.950	2.3652	0.0877	0.048	-1.00	2.65	512.0000	-1.00	0
27	15872.516	17.340	1.5667	0.1200	0.056	-1.00	2.65	596.0000	-1.00	0
28	15836.273	17.313	1.5667	0.1200	0.070	-1.00	2.65	726.0000	-1.00	0
29	2016.382	5.343	0.9449	0.1145	0.042	-1.00	2.65	1417.9988	-1.00	0
30	3001.495	5.782	1.1003	0.1145	0.046	-1.00	2.65	3131.9968	-1.00	0
31	1151.894	4.349	0.6706	0.1446	0.048	-1.00	2.65	1030.9988	-1.00	0
32	1294.890	4.307	0.7925	0.1646	0.064	-1.00	2.65	760.0000	-1.00	0

CHO - CHOP CANAL DATA OF CHAUDHRY, ET AL. (1970)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	362444.625	118.262	2.9870	0.1613	0.200	1.40	2.65	662.9568	17.78	0
2	424739.875	111.862	2.3774	0.1550	0.140	1.48	2.65	1152.9299	18.89	0
3	233606.875	118.262	2.4689	0.2137	0.110	1.38	2.65	148.1600	15.00	0
4	351118.250	112.166	2.1336	0.1244	0.130	1.34	2.65	706.4480	17.78	0
5	427571.500	121.615	3.1699	0.2024	0.210	1.40	2.65	1217.1670	16.11	0
6	322802.250	120.396	2.6822	0.1957	0.200	1.37	2.65	526.0320	22.22	0
7	172444.375	112.776	1.3106	0.1938	0.090	1.31	2.65	232.3360	15.56	0
8	376602.625	115.824	2.3470	0.1410	0.210	1.52	2.65	702.0879	21.11	0
9	342623.500	116.738	3.1090	0.2538	0.210	1.33	2.65	619.8828	21.67	0
10	334128.625	110.338	2.4689	0.1592	0.210	1.26	2.65	428.1553	20.00	0
11	413413.500	110.642	2.4384	0.1149	0.200	1.33	2.65	1297.1599	18.33	0
12	359613.125	111.252	2.1031	0.1164	0.120	1.36	2.65	531.0999	22.78	0
13	112414.375	57.302	2.3165	0.1340	0.200	1.34	2.65	595.2520	24.44	0
14	27523.145	23.774	1.6764	0.0855	0.200	1.22	2.65	285.8018	29.44	0
15	146676.750	67.666	2.6822	0.2315	0.120	1.26	2.65	473.3408	24.44	0
16	109582.875	57.912	2.6822	0.0800	0.110	1.30	2.65	146.4370	23.89	0
17	362444.625	99.060	3.0785	0.1179	0.120	1.25	2.65	464.4458	29.44	0
18	138465.125	66.142	2.2860	0.1650	0.300	1.40	2.65	395.3960	15.00	0
19	122041.875	53.645	2.3774	0.1845	0.300	1.32	2.65	302.2488	10.56	0
20	120909.250	55.474	2.4384	0.2000	0.100	1.34	2.65	181.2960	20.00	0
21	146110.500	55.778	2.6213	0.1815	0.290	1.36	2.65	244.0620	26.67	0
22	114962.875	57.912	2.3470	0.1404	0.300	1.40	2.65	235.8330	16.67	0
23	138465.125	59.436	2.3774	0.1786	0.300	1.28	2.65	149.8260	11.11	0
24	139031.500	57.912	2.4384	0.1764	0.311	1.31	2.65	198.2500	22.22	0
25	153472.625	58.522	2.7127	0.1650	0.290	1.47	2.65	261.2610	23.89	0
26	143845.250	63.398	2.4689	0.2375	0.300	1.32	2.65	196.5010	22.78	0
27	255410.250	112.166	2.5603	0.2066	0.290	1.33	2.65	304.6968	11.67	0
28	399255.500	112.776	3.4138	0.1779	0.311	1.31	2.65	1316.8889	16.67	0
29	328465.500	97.536	3.3223	0.1876	0.210	1.53	2.65	431.7068	18.89	0
30	226527.875	109.423	2.2860	0.1852	0.311	1.55	2.65	368.2710	18.89	0
31	393592.250	99.670	3.3833	0.1898	0.200	1.23	2.65	298.9839	17.22	0
32	209255.125	71.628	3.3223	0.1274	0.210	1.50	2.65	484.4758	22.22	0
33	166752.875	67.666	2.5603	0.0510	0.190	1.40	2.65	115.7300	27.22	0

CHP - CHOP CANAL DATA OF CHAUDHRY, ET AL. (1970)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	172444.375	112.776	1.3106	0.1938	0.090	1.31	2.65	232.3360	15.56	0
2	120909.250	55.474	2.4384	0.2000	0.100	1.34	2.65	181.2960	20.00	0
3	109582.875	57.912	2.6822	0.0800	0.110	1.30	2.65	146.4370	23.89	0
4	233606.875	118.262	2.4689	0.2137	0.110	1.38	2.65	148.1600	15.00	0
5	146676.750	67.666	2.6822	0.2315	0.120	1.26	2.65	473.3408	24.44	0
6	362444.625	99.060	3.0785	0.1179	0.120	1.25	2.65	464.4458	29.44	0
7	359613.125	111.252	2.1031	0.1164	0.120	1.36	2.65	531.0999	22.78	0
8	351118.250	112.166	2.1336	0.1244	0.130	1.34	2.65	706.4480	17.78	0
9	424739.875	111.862	2.3774	0.1550	0.140	1.48	2.65	1152.9299	18.89	0
10	166752.875	67.666	2.5603	0.0510	0.190	1.40	2.65	115.7300	27.22	0
11	413413.500	110.642	2.4384	0.1149	0.200	1.33	2.65	1297.1599	18.33	0
12	393592.250	99.670	3.3833	0.1808	0.200	1.23	2.65	298.9839	17.22	0
13	362444.625	118.262	2.9870	0.1613	0.200	1.40	2.65	662.9568	17.78	0
14	322802.250	120.396	2.6822	0.1957	0.200	1.37	2.65	526.0320	22.22	0
15	27523.145	23.774	1.6764	0.0855	0.200	1.22	2.65	285.8018	29.44	0
16	112414.375	57.302	2.3165	0.1340	0.200	1.34	2.65	595.2520	24.44	0
17	342623.500	116.738	3.1090	0.2538	0.210	1.33	2.65	619.8828	21.67	0
18	376602.625	115.824	2.3470	0.1410	0.210	1.52	2.65	702.0879	21.11	0
19	209255.125	71.628	3.3223	0.1274	0.210	1.50	2.65	484.4758	22.22	0
20	334128.625	110.338	2.4689	0.1592	0.210	1.26	2.65	428.1558	20.00	0
21	427571.500	121.615	3.1699	0.2024	0.210	1.40	2.65	1217.1670	16.11	0
22	328465.500	97.536	3.3223	0.1876	0.210	1.53	2.65	431.7068	18.89	0
23	146110.500	55.778	2.6213	0.1815	0.290	1.36	2.65	244.0620	26.67	0
24	255410.250	112.166	2.5603	0.2066	0.290	1.33	2.65	304.6968	11.67	0
25	153472.625	58.522	2.7127	0.1650	0.290	1.47	2.65	261.2610	23.89	0
26	143845.250	63.398	2.4689	0.2375	0.300	1.32	2.65	196.5010	22.78	0
27	114962.875	57.912	2.3470	0.1404	0.300	1.40	2.65	235.8330	16.67	0
28	138465.125	59.436	2.3774	0.1786	0.300	1.28	2.65	149.8260	11.11	0
29	122041.875	53.645	2.3774	0.1845	0.300	1.32	2.65	302.2488	10.56	0
30	138465.125	66.142	2.2860	0.1650	0.300	1.40	2.65	395.3960	15.00	0
31	399255.500	112.776	3.4138	0.1779	0.311	1.31	2.65	1316.8889	16.67	0
32	226527.875	109.423	2.2860	0.1852	0.311	1.55	2.65	388.2710	18.89	0
33	139031.500	57.912	2.4384	0.1764	0.311	1.31	2.65	198.2500	22.22	0

COL - COLORADO RIVER DATA OF U.S. BUREAU OF RECLAMATION (1958)
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CCNC. PPM	TEMP. DEG. C	BF
1	403571.688	253.097	2.2982	0.1400	0.310	1.36	2.65	32.4000	19.44	0
2	500160.500	254.550	2.1946	0.1800	0.360	1.48	2.65	768.7000	19.44	0
3	83336.438	240.529	0.9540	0.0900	0.315	1.53	2.65	-1.0000	12.22	0
4	254200.313	247.276	1.4600	0.1670	0.270	1.44	2.65	394.0999	11.11	0
5	158149.563	240.112	0.8473	-1.0000	0.385	1.44	2.65	107.2000	8.89	0
6	334138.750	109.064	2.6304	0.2830	0.240	1.40	2.65	160.1000	19.44	0
7	408385.500	112.773	2.8743	0.3100	0.248	1.35	2.65	346.5000	17.78	0
8	137874.688	92.644	1.9294	0.1960	0.236	1.37	2.65	113.0000	13.33	0
9	210280.875	104.226	2.0635	0.0670	0.310	1.22	2.65	603.5000	9.44	0
10	146454.750	98.690	1.9477	0.2800	-1.000	-1.00	2.65	548.5000	10.00	0
11	362455.625	117.031	2.8316	0.1870	0.300	1.32	2.65	130.5000	12.78	0
12	219115.750	107.581	2.5268	0.2670	0.270	1.32	2.65	316.2998	17.22	0
13	370610.875	111.642	2.6213	0.1600	0.275	1.42	2.65	35.6000	20.00	0
14	245761.875	105.788	2.3957	0.1100	0.280	1.37	2.65	177.9000	17.78	0
15	221494.375	103.946	2.3104	0.2200	0.320	1.44	2.65	325.0000	14.44	0
16	184201.063	102.426	1.9111	0.2670	0.300	1.36	2.65	229.9000	7.78	0
17	141074.500	91.440	1.4265	-1.0000	0.290	1.36	2.65	664.5000	7.22	0
18	156167.375	109.049	1.4508	-1.0000	0.260	1.38	2.65	-1.0000	11.67	0
19	389583.125	114.908	3.6302	0.2000	0.230	1.41	2.65	212.2000	20.28	0
20	348750.250	111.593	3.3376	0.1960	0.260	1.41	2.65	171.9000	22.78	0
21	358774.375	110.152	3.3711	0.2200	0.250	1.50	2.65	354.5000	17.78	0
22	274673.375	101.778	2.7859	-1.0000	0.240	1.21	2.65	296.2998	16.11	0
23	109161.438	95.167	1.5453	0.2770	0.280	1.41	2.65	364.7998	8.89	0
24	198897.500	103.277	2.2525	0.2770	0.295	1.48	2.65	474.2998	9.44	0
25	175592.750	102.425	2.0635	0.4070	0.335	1.40	2.65	316.2000	10.00	0
26	229961.063	103.972	2.4018	0.2200	0.320	1.38	2.65	596.7998	-18.30	0
27	220305.000	109.444	2.8743	0.2130	0.315	1.48	2.65	182.1000	8.89	0
28	293277.563	112.227	3.1151	0.1930	0.280	1.41	2.65	572.8999	12.78	0
29	346173.375	111.584	2.8224	-1.0000	0.250	1.40	2.65	337.2998	15.00	0
30	473740.875	116.166	3.4717	-1.0000	0.320	1.38	2.65	619.2000	16.67	0
31	557445.375	117.202	3.6820	-1.0000	0.300	1.61	2.65	370.7000	17.22	0
32	293504.125	110.277	3.0480	0.1500	0.275	1.54	2.65	159.0000	20.56	0
33	299025.875	110.915	3.0053	0.1500	-1.000	-1.00	2.65	-1.0000	20.00	0
34	500925.000	116.489	3.5753	-1.0000	0.260	1.40	2.65	558.7000	18.89	0
35	243524.875	103.010	2.5695	0.1770	0.300	1.39	2.65	283.0999	17.78	0
36	221720.875	104.272	2.4689	0.2400	0.285	1.34	2.65	477.0999	14.72	0
37	173157.500	102.768	2.0422	0.1530	0.250	1.44	2.65	288.5000	7.78	0
38	124877.250	99.302	1.7252	-1.0000	0.240	1.88	2.65	238.5000	7.78	0
39	152372.938	101.890	1.9202	0.2000	0.290	1.32	2.65	-1.0000	11.67	0
40	241825.875	143.793	2.9901	0.3460	0.200	1.28	2.65	263.8999	20.00	0
41	206996.125	145.060	1.9873	-1.0000	0.230	1.32	2.65	244.0000	-18.30	0
42	88065.375	139.754	1.1460	-1.0000	0.250	1.34	2.65	76.7000	-18.30	0
43	207477.500	143.188	2.0574	-1.0000	0.250	1.36	2.65	349.5000	9.17	0
44	324227.875	144.341	2.9627	0.1660	0.265	1.34	2.65	264.2000	16.67	0
45	413425.938	148.294	3.3711	0.1770	0.240	1.35	2.65	118.5000	16.67	0
46	416257.625	148.203	3.3650	-1.0000	0.280	1.28	2.65	84.6000	20.00	0
47	330712.438	147.690	3.1364	0.0690	0.230	1.35	2.65	151.5000	18.89	0
48	228941.688	146.620	2.7005	0.1460	0.230	1.48	2.65	188.5000	13.89	0
49	125160.438	142.889	2.0025	-1.0000	0.220	1.52	2.65	88.1000	7.78	0
50	262100.688	145.351	2.4384	-1.0000	0.200	1.26	2.65	-1.0000	12.22	0
51	294438.563	158.254	2.7615	0.1000	0.210	1.32	2.65	106.4000	20.00	0
52	216907.000	146.029	2.0269	0.1000	0.220	1.33	2.65	144.7000	11.67	0
53	161745.813	151.911	2.0909	0.0600	0.215	1.36	2.65	23.4000	-18.30	0
54	203116.750	151.821	2.2464	0.1000	0.245	1.33	2.65	261.7000	10.00	0
55	348297.188	159.877	3.8892	0.0370	0.180	1.30	2.65	56.9000	16.67	0

COL - COLORADO RIVER DATA OF U.S. BUREAU OF RECLAMATION (1958)
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	454315.500	160.672	3.3132	0.1700	0.175	1.24	2.65	283.5000	17.22	0
57	443158.625	162.431	3.5936	0.1340	0.195	1.26	2.65	47.7000	19.44	0
58	343653.250	157.903	2.8194	0.1440	0.195	1.28	2.65	337.7000	20.00	0
59	234491.750	153.280	2.6396	0.0800	0.155	1.58	2.65	93.8000	14.44	0
60	121337.688	146.603	2.1153	-1.0000	0.170	1.31	2.65	21.9000	7.78	0
61	272861.125	155.802	2.6213	0.1340	0.160	1.46	2.65	-1.0000	13.33	0
62	307096.188	113.613	2.8743	0.2160	0.295	1.45	2.65	199.1000	25.56	0
63	121111.125	107.587	1.4844	0.3330	0.273	1.44	2.65	152.3000	11.67	0
64	131446.750	107.538	1.5697	0.2600	0.288	1.43	2.65	225.4000	12.22	0
65	108226.938	106.985	1.3686	0.2530	0.315	1.65	2.65	113.4000	10.00	0
66	105338.625	106.349	1.4021	0.2330	0.310	1.68	2.65	132.6000	13.33	0
67	196065.813	110.056	2.0361	0.2600	0.300	1.44	2.65	78.3000	11.11	0
68	181652.563	109.786	1.9294	0.2130	0.315	1.42	2.65	412.7000	11.11	0
69	219795.313	110.586	2.0574	0.1930	0.340	1.37	2.65	160.2000	13.89	0
70	217076.938	110.924	2.2220	0.2160	0.330	1.43	2.65	242.1000	16.67	0
71	303924.688	113.052	2.8285	0.2070	0.320	1.55	2.65	328.3999	15.00	0
72	269944.500	112.790	2.6761	0.2240	0.340	1.31	2.65	148.3000	18.89	0
73	223618.125	112.220	2.4902	0.1730	0.355	1.34	2.65	108.5000	20.00	0
74	209799.500	110.904	2.2433	0.2270	0.345	1.43	2.65	211.6000	21.67	0
75	240070.188	111.676	2.2220	0.1870	0.370	1.41	2.65	151.2000	22.22	0
76	274220.375	112.506	2.6548	0.2060	0.370	1.39	2.65	254.7000	22.22	0
77	310607.500	113.093	2.9047	0.1930	0.350	1.31	2.65	166.4000	24.44	0
78	315732.813	114.008	2.7828	0.2330	0.335	1.33	2.65	302.2998	25.56	0
79	345437.188	114.345	3.0663	0.2270	0.360	1.34	2.65	200.7000	26.67	0
80	360501.750	114.729	3.1394	0.2570	0.375	1.41	2.65	213.1000	27.22	0
81	296760.500	112.776	2.8042	0.2330	0.395	1.46	2.65	87.0000	25.56	0
82	279770.375	112.773	2.7219	0.1470	0.400	1.52	2.65	201.8000	26.67	0
83	187599.125	110.693	2.1763	0.1730	0.360	1.53	2.65	276.2998	24.44	0
84	181171.125	110.668	2.1549	0.1770	0.340	1.47	2.65	303.7998	22.22	0
85	155516.125	109.930	1.9294	0.1670	0.325	1.46	2.65	200.1000	20.00	0
86	158404.438	110.320	1.9141	0.1730	0.300	1.46	2.65	193.3000	16.11	0
87	154468.375	110.108	1.8562	0.2070	0.293	1.49	2.65	197.9000	15.00	0
88	121762.438	108.145	1.5850	0.2200	0.300	1.45	2.65	104.5000	11.11	0
89	128898.250	106.772	1.5088	0.2330	0.330	1.41	2.65	239.0000	10.56	0
90	77531.500	103.075	1.1339	0.2070	0.310	1.45	2.65	86.2000	11.11	0
91	135920.875	106.430	1.6734	0.2200	0.315	1.48	2.65	194.8000	8.89	0
92	135127.938	106.365	1.6246	0.2460	-1.000	-1.00	2.65	-1.0000	9.44	0
93	191421.875	110.666	1.9812	0.2670	-1.000	-1.00	2.65	-1.0000	13.33	0
94	267905.625	104.824	2.8529	0.0539	-1.000	-1.00	2.65	81.9000	25.56	0
95	124933.875	104.857	1.9111	0.1070	-1.000	-1.00	2.65	62.8000	13.33	0
96	118194.500	99.950	2.0086	0.1130	0.280	1.54	2.65	20.8000	13.33	0
97	111653.313	96.287	1.9934	0.1470	0.260	1.61	2.65	18.1000	10.00	0
98	96786.938	95.732	1.9050	0.1330	0.280	1.68	2.65	22.7000	13.33	0
99	194904.813	101.492	2.2921	0.1730	0.290	1.47	2.65	112.1000	11.11	0
100	178112.938	100.973	2.0757	0.1270	0.340	1.53	2.65	72.7000	11.11	0
101	191931.563	104.826	2.2555	0.1400	0.430	1.86	2.65	191.9000	11.11	0
102	272776.125	108.450	2.6761	0.1030	0.695	3.12	2.65	178.1000	15.00	0
103	359992.000	116.805	3.0876	0.1270	0.270	1.74	2.65	208.7000	15.56	0
104	308653.625	139.538	2.6365	0.1200	0.320	1.52	2.65	89.6000	18.33	0
105	344616.000	144.789	2.6243	0.1130	0.320	1.47	2.65	140.1000	21.11	0
106	301857.563	139.974	2.5420	0.1470	0.395	1.66	2.65	230.1000	22.22	0
107	344899.125	146.373	2.6975	0.1600	0.340	1.91	2.65	114.7000	23.33	0
108	324624.313	140.966	2.6731	0.1530	0.400	1.75	2.65	192.8000	?? ??	0
109	359199.188	146.210	2.9566	0.1270	0.270	1.79	2.65	83.3000	25.00	0
110	387657.625	149.087	3.0846	0.2070	0.280	1.72	2.65	114.2000	25.56	0

COL - COLORADO RIVER DATA OF U.S. BUREAU OF RECLAMATION (1958)
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	324794.250	141.753	2.9230	0.0870	0.240	1.49	2.65	111.1000	26.11	0
112	328475.375	146.969	2.9078	0.0730	0.200	1.60	2.65	227.5000	27.22	0
113	335837.750	146.538	2.8529	0.0600	0.225	1.63	2.65	232.8000	25.56	0
114	279770.375	142.122	2.6213	0.1530	0.200	1.36	2.65	167.8000	26.67	0
115	288831.813	142.096	2.5786	0.0670	0.225	1.46	2.65	181.3000	24.44	0
116	239107.438	140.223	2.4262	0.1270	0.205	1.46	2.65	252.7000	23.33	0
117	226534.750	139.332	2.4384	0.0800	0.290	1.41	2.65	163.7000	21.67	0
118	183776.313	136.166	2.0086	0.1570	0.270	1.51	2.65	68.4000	15.56	0
119	166078.250	134.579	1.9080	0.1000	0.285	1.45	2.65	193.2000	14.44	0
120	157356.688	134.736	1.9355	0.2000	0.260	1.49	2.65	176.8000	11.11	0
121	105338.625	130.541	1.5088	0.0600	0.290	1.49	2.65	312.3999	11.11	0
122	92029.750	130.539	1.4874	0.0730	0.313	1.41	2.65	22.9000	11.11	0
123	127708.938	132.522	1.6825	0.1000	0.285	1.54	2.65	139.0000	10.00	0
124	121479.250	132.639	1.7160	0.1200	-1.000	-1.00	2.65	-1.0000	10.00	0
125	188023.875	136.296	1.9903	0.1200	-1.000	-1.00	2.65	-1.0000	13.33	0
126	169901.063	137.422	1.5941	0.1070	0.320	1.37	2.65	143.4000	13.89	0
127	132239.625	136.106	1.4539	0.3890	0.315	1.42	2.65	172.3000	11.67	0
128	115249.563	136.144	1.3716	0.1760	0.310	1.44	2.65	62.4000	11.67	0
129	133995.313	136.717	1.4691	0.1830	0.285	1.56	2.65	176.0000	10.56	0
130	141357.688	136.016	1.5027	0.1220	-1.000	-1.00	2.65	-1.0000	10.56	0
131	201191.188	138.687	1.7953	0.2290	-1.000	-1.00	2.65	-1.0000	15.00	0

HII - HII RIVER DATA OF SHINOHARA, K. AND TSUBAKI, T. (1959)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1780.467	8.001	0.3069	0.8400	1.440	2.19	2.65	121.4420	-1.00	3
2	2356.031	8.001	0.3968	1.0600	1.440	2.19	2.65	167.3260	-1.00	3
3	2423.920	8.001	0.4249	0.8500	1.440	2.19	2.65	116.3110	-1.00	3
4	2764.357	8.001	0.4929	0.8600	1.440	2.19	2.65	116.5530	-1.00	3
5	3498.565	8.001	0.5901	0.8800	1.440	2.19	2.65	299.4348	-1.00	3
6	4851.316	8.001	0.6520	1.4800	1.440	2.19	2.65	271.3979	-1.00	3
7	4479.223	8.001	0.6989	1.0100	1.440	2.19	2.65	153.8220	-1.00	3
8	4727.293	8.001	0.7321	1.5300	1.440	2.19	2.65	190.6560	-1.00	3
9	1131.821	8.001	0.2021	1.6600	1.330	2.07	2.65	552.8638	-1.00	3
10	2237.401	8.001	0.3719	1.3800	1.330	2.07	2.65	207.4570	-1.00	3
11	1951.239	8.001	0.3871	0.8900	1.330	2.07	2.65	135.8640	-1.00	3
12	2917.885	8.001	0.4542	1.4200	1.330	2.07	2.65	167.1870	-1.00	3
13	181.039	2.000	0.1561	1.6900	1.260	2.13	2.65	295.8108	-1.00	3
14	248.062	2.000	0.1981	1.6100	1.260	2.13	2.65	284.3528	-1.00	3
15	344.331	2.000	0.2569	1.6100	1.260	2.13	2.65	275.4800	-1.00	3
16	428.682	2.000	0.2920	1.6700	1.260	2.13	2.65	283.1399	-1.00	3
17	521.718	2.000	0.3441	1.6600	1.260	2.13	2.65	242.8930	-1.00	3
18	714.485	2.000	0.4670	1.6600	1.260	2.13	2.65	241.8160	-1.00	3
19	47.396	0.800	0.1079	1.6900	1.260	2.13	2.65	225.2580	-1.00	3
20	69.999	0.800	0.1451	1.7200	1.260	2.13	2.65	126.6880	-1.00	3
21	390.077	2.000	0.2950	1.3700	1.460	2.13	2.65	221.5180	-1.00	3
22	494.265	2.000	0.3581	1.4000	1.460	2.13	2.65	210.2660	-1.00	3
23	531.435	2.000	0.3591	1.4600	1.460	2.13	2.65	270.3259	-1.00	3
24	0.941	0.346	0.0189	8.0900	0.210	1.20	2.65	925.0068	-1.00	2
25	1.454	0.346	0.0220	11.3000	0.210	1.20	2.65	1955.0210	-1.00	2
26	1.991	0.346	0.0248	10.7000	0.210	1.20	2.65	3316.1790	-1.00	2
27	1.679	0.346	0.0261	9.7500	0.210	1.20	2.65	2347.2588	-1.00	2
28	2.442	0.346	0.0280	9.2700	0.210	1.20	2.65	1727.6079	-1.00	2
29	3.025	0.346	0.0308	8.0400	0.210	1.20	2.65	4877.5586	-1.00	2
30	4.484	0.346	0.0320	7.2800	0.210	1.20	2.65	4273.5234	-1.00	2
31	5.419	0.346	0.0338	8.3900	0.210	1.20	2.65	5638.6133	-1.00	2
32	4.404	0.346	0.0363	7.0800	0.210	1.20	2.65	3545.5129	-1.00	2
33	6.509	0.346	0.0372	6.6900	0.210	1.20	2.65	3260.8669	-1.00	2
34	7.446	0.346	0.0387	6.4400	0.210	1.20	2.65	4322.8125	-1.00	2
35	3.673	0.346	0.0341	5.8200	0.210	1.20	2.65	1249.3989	-1.00	2
36	5.130	0.346	0.0424	5.8200	0.210	1.20	2.65	1324.5518	-1.00	2
37	4.371	0.346	0.0430	7.6900	0.210	1.20	2.65	1701.8689	-1.00	2
38	7.750	0.346	0.0448	5.1500	0.210	1.20	2.65	2342.4099	-1.00	2

LEO - RIVER DATA OF LEOPOLD, L.B. (1969) -- NOT VERIFIED
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	344605.625	139.294	2.7127	0.1133	0.345	-1.00	2.65	109.6000	21.11	0
2	301848.438	134.722	2.6426	0.1467	0.420	-1.00	2.65	214.2700	22.22	0
3	344888.750	140.818	2.8042	0.1600	0.371	-1.00	2.65	92.6900	23.33	0
4	335827.625	140.818	2.9688	0.0600	0.294	-1.00	2.65	205.6100	25.56	0
5	279762.000	136.550	2.7280	0.1533	0.229	-1.00	2.65	141.8800	26.67	0
6	288823.125	136.550	2.6822	0.0660	0.227	-1.00	2.65	146.6100	24.44	0
7	239100.250	135.331	2.5146	0.1270	0.203	-1.00	2.65	269.5498	23.33	0
8	307086.875	107.594	3.0175	0.2160	0.293	-1.00	2.65	159.0200	25.56	0
9	118927.125	104.546	1.4996	0.3330	0.273	-1.00	2.65	94.5500	11.67	0
10	134784.125	104.242	1.6459	0.2600	0.143	-1.00	2.65	140.0400	12.22	0
11	219788.625	106.375	2.1397	0.1900	0.167	-1.00	2.65	116.5700	13.89	0
12	219930.250	106.375	2.3470	0.2160	0.163	-1.00	2.65	151.0900	16.67	0
13	303915.500	106.985	2.9901	0.2066	0.319	-1.00	2.65	244.5000	15.00	0
14	269936.250	106.985	2.8194	0.2240	0.167	-1.00	2.65	93.9500	18.89	0
15	209793.125	106.375	2.3378	0.2267	0.342	-1.00	2.65	151.4400	21.67	0
16	240062.875	106.985	2.3195	0.1870	0.370	-1.00	2.65	77.3700	22.22	0
17	296751.500	106.985	2.9566	0.2333	0.391	-1.00	2.65	50.1500	25.56	0
18	279762.000	106.985	2.8682	0.1466	0.391	-1.00	2.65	118.6000	26.67	0
19	187593.375	106.070	2.2708	0.1733	0.364	-1.00	2.65	207.1400	24.44	0
20	181165.625	106.070	2.2494	0.1770	0.338	-1.00	2.65	269.2998	22.22	0
21	403559.500	248.717	2.3378	0.1400	0.308	-1.00	2.65	47.5500	19.44	0
22	499295.875	250.546	2.2311	0.1800	0.321	-1.00	2.65	563.8699	19.44	0
23	83333.875	238.658	0.9601	0.0900	0.156	-1.00	2.65	516.7998	12.22	0
24	334128.625	141.632	2.7676	0.2830	0.264	-1.00	2.65	113.8900	19.44	0
25	408373.250	106.680	3.0358	0.2900	0.318	-1.00	2.65	277.2400	17.78	0
26	137870.500	88.697	2.0147	0.1960	0.236	-1.00	2.65	63.8200	14.44	0
27	210274.500	99.974	2.1519	0.0670	0.155	-1.00	2.65	372.8899	9.44	0
28	362444.625	111.252	2.9779	0.1866	0.356	-1.00	2.65	70.7900	12.78	0
29	208915.375	102.413	2.6548	0.2670	0.318	-1.00	2.65	274.7998	17.22	0
30	245754.500	100.584	2.5207	0.1100	0.288	-1.00	2.65	114.6800	17.78	0
31	241818.500	137.770	3.1212	0.3460	0.204	-1.00	2.65	151.7500	20.00	0
32	324218.125	141.427	3.0236	0.1660	0.262	-1.00	2.65	232.7200	16.67	0
33	413413.500	141.122	3.5418	0.1770	0.244	-1.00	2.65	89.6700	16.67	0
34	330702.375	141.122	3.2827	0.0690	0.224	-1.00	2.65	145.9300	18.89	0
35	294429.625	152.400	2.8682	0.1000	0.211	-1.00	2.65	85.5800	20.00	0
36	216900.500	141.732	2.0848	0.1000	0.220	-1.00	2.65	98.1100	11.67	0
37	454301.750	153.619	3.4656	0.1700	0.172	-1.00	2.65	207.8500	17.22	0
38	343642.875	152.095	2.9261	0.1437	0.195	-1.00	2.65	279.7000	20.00	0
39	243517.500	101.498	2.6243	0.1770	0.301	-1.00	2.65	379.1799	17.78	0
40	293495.250	103.632	3.2827	0.1530	0.276	-1.00	2.65	112.8000	20.56	0
41	267897.500	98.755	3.0267	0.0533	0.390	-1.00	2.65	71.6000	25.56	0
42	124930.125	95.707	2.0940	0.1067	0.289	-1.00	2.65	51.8800	13.33	0
43	118190.875	96.317	2.1031	0.1133	0.299	-1.00	2.65	11.2200	13.33	0
44	191925.750	100.279	2.3592	0.1400	0.443	-1.00	2.65	129.7300	11.11	0
45	272767.875	103.022	2.8194	0.1033	0.814	-1.00	2.65	168.2100	15.00	0
46	362982.625	109.728	3.3132	0.1267	0.389	-1.00	2.65	168.8600	15.56	0
47	308644.250	134.112	2.7432	0.1200	0.344	-1.00	2.65	63.0300	18.33	0
48	223611.375	106.985	2.6121	0.1730	0.352	-1.00	2.65	75.9700	20.00	0
49	348286.625	151.486	4.1057	0.0370	0.177	-1.00	2.65	49.0700	16.67	0
50	348739.750	104.546	3.5631	0.1960	0.261	-1.00	2.65	110.4500	22.78	0
51	358763.625	102.718	3.6149	0.2200	0.249	-1.00	2.65	243.8100	17.78	0
52	109158.125	92.050	1.5972	0.2766	0.140	-1.00	2.65	259.8198	8.89	0
53	198891.500	98.755	2.3561	0.2770	0.146	-1.00	2.65	192.0900	9.44	0
54	220298.375	103.327	3.0450	0.2130	0.156	-1.00	2.65	152.6300	8.89	0
55	293268.750	105.461	3.3162	0.1930	0.274	-1.00	2.65	469.6599	12.78	0

LEO - RIVER DATA OF LEOPOLD, L.B. (1969) -- NOT VERIFIED
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	158144.750	238.658	0.8534	-10.0000	0.386	-1.00	2.65	55.9300	8.89	0
57	202091.250	147.523	2.3104	-10.0000	0.245	-1.00	2.65	246.0800	10.00	0
58	473726.500	108.814	3.7064	-10.0000	0.317	-1.00	2.65	458.3298	16.67	0
59	443145.250	154.838	3.7704	-10.0000	0.197	-1.00	2.65	31.7400	19.44	0
60	212256.625	141.122	2.0940	-10.0000	0.231	-1.00	2.65	188.5100	6.11	0
61	416245.000	141.122	3.5326	-10.0000	0.276	-1.00	2.65	61.7900	20.00	0
62	324784.375	135.636	3.1151	-10.0000	0.292	-1.00	2.65	106.6100	-1.00	0
63	370599.625	106.375	2.6396	-10.0000	0.366	-1.00	2.65	6.7000	20.00	0
64	315723.250	107.899	3.1120	-10.0000	0.332	-1.00	2.65	217.0200	25.56	0
65	146450.250	94.793	2.0269	-10.0000	0.343	-1.00	2.65	435.0889	10.00	0
66	387645.875	142.646	3.2248	-10.0000	0.360	-1.00	2.65	114.2200	25.56	0
67	345426.750	107.899	3.2492	-10.0000	0.358	-1.00	2.65	148.2900	26.67	0
68	163354.875	147.523	2.1732	-10.0000	0.214	-1.00	2.65	18.7600	11.11	0
69	88062.688	137.160	1.1674	-10.0000	0.243	-1.00	2.65	60.3900	11.11	0
70	254192.625	244.145	1.4783	-10.0000	0.269	-1.00	2.65	75.0900	11.11	0
71	207471.250	138.989	2.1184	-10.0000	0.203	-1.00	2.65	289.6599	8.89	0
72	360490.875	107.899	3.3376	-10.0000	0.188	-1.00	2.65	139.7900	27.22	0

MID - MIDDLE LOUP RIVER DATA OF HUBBEL, D.W. AND MATEJKA, D.Q. (1959)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	9372.586	46.330	0.3167	1.2500	0.344	1.65	2.65	714.2400	25.00	0
2	10222.063	45.720	0.3313	1.4962	0.344	1.65	2.65	747.9600	16.67	0
3	12232.500	43.891	0.2963	0.9280	0.275	1.64	2.65	1986.5999	3.89	0
4	11609.547	42.977	0.2917	1.4394	0.285	1.69	2.65	2269.2000	4.44	0
5	10929.965	44.196	0.3152	1.3258	0.303	1.95	2.65	1380.0000	6.11	0
6	11722.813	44.196	0.3027	1.0227	0.339	1.80	2.65	1376.3999	10.56	0
7	11298.070	44.196	0.3426	1.2500	0.395	1.81	2.65	1401.3999	16.11	0
8	11099.855	44.196	0.3237	1.1932	0.317	1.66	2.65	660.0000	23.89	0
9	10307.012	43.891	0.3219	1.4583	0.317	1.76	2.65	568.7998	24.44	0
10	10788.387	43.891	0.3429	1.1553	0.368	1.85	2.65	475.5798	21.11	0
11	10448.594	43.282	0.3563	1.2500	0.436	2.29	2.65	618.2998	21.67	0
12	9882.270	45.110	0.3295	1.3300	0.429	2.37	2.65	437.7598	24.44	0
13	12487.344	45.110	0.4118	1.3300	0.354	1.87	2.65	1196.0000	20.00	0
14	9599.109	45.110	0.3234	1.3300	0.333	1.70	2.65	920.7000	8.89	0
15	12543.977	45.110	0.2472	1.3447	0.215	1.61	2.65	1306.3999	2.78	0
16	11326.395	44.806	0.3027	1.3300	0.330	1.58	2.65	1466.3999	2.78	0
17	13619.980	39.929	0.3444	1.2500	0.330	1.58	2.65	1692.0000	0.0	0
18	10986.598	46.330	0.2707	1.3300	0.395	1.80	2.65	2444.0000	0.0	0
19	10590.172	44.196	0.2963	1.5720	0.340	1.73	2.65	1134.0000	7.22	0
20	11184.809	43.282	0.3112	1.3300	0.292	1.63	2.65	1729.7998	0.0	0
21	10222.063	44.196	0.3322	1.3447	0.377	1.75	2.65	1283.0999	10.00	0
22	11807.762	45.110	0.3685	1.3300	0.392	1.97	2.65	813.4500	16.11	0
23	11836.074	44.196	0.3761	1.3300	0.401	2.33	2.65	534.6399	27.78	0
24	10391.961	44.806	0.3731	1.2879	0.395	2.23	2.65	482.2400	31.11	0
25	9797.320	43.282	0.3520	1.3300	0.423	2.80	2.65	588.5999	25.56	0
26	10703.438	44.501	0.3612	1.3300	0.398	2.54	2.65	644.3999	24.44	0
27	12090.922	46.330	0.3149	1.3068	0.365	1.69	2.65	1574.3999	3.89	0
28	11298.070	37.490	0.3271	1.1742	0.363	1.77	2.65	1939.2000	1.11	0
29	10363.645	43.282	0.3606	1.3300	0.356	1.59	2.65	883.6099	18.33	0
30	12855.449	43.586	0.4029	1.3300	0.386	1.94	2.65	1305.0000	18.89	0
31	9315.949	45.720	0.3048	1.3300	0.267	1.71	2.65	584.6399	22.22	0
32	10052.168	46.634	0.3347	1.3300	0.328	1.69	2.65	718.0798	22.78	0
33	9344.270	44.806	0.3338	1.4205	0.270	1.75	2.65	766.7998	30.56	0
34	9032.793	46.634	0.3267	1.3258	0.325	2.06	2.65	685.7998	25.56	0
35	10929.965	45.110	0.3295	1.3258	0.312	1.81	2.65	603.6799	26.11	0
36	10250.383	46.634	0.3466	1.3300	0.363	2.15	2.65	1184.3999	26.67	0
37	9457.531	45.415	0.3109	1.2879	0.365	1.90	2.65	988.0000	20.00	0
38	10363.645	45.110	0.3316	1.3068	0.289	1.63	2.65	958.7998	18.33	0

MIS - MISSISSIPPI RIVER DATA OF TOFFALETI, F.B. (1968)
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	28825680.000	1109.472	16.4287	0.0382	0.310	1.66	2.65	101.3000	21.11	0
2	26560400.000	1097.280	15.6667	0.0349	0.342	1.45	2.65	94.5090	10.56	0
3	26305552.000	1103.375	14.8133	0.0357	0.190	1.59	2.65	159.7070	17.22	0
4	26079024.000	1097.280	15.0571	0.0382	0.288	1.63	2.65	198.9520	11.11	0
5	26022384.000	1103.375	14.9657	0.0349	0.165	1.38	2.65	164.6740	17.78	0
6	25965760.000	1103.375	14.8133	0.0349	0.204	1.72	2.65	189.3020	16.67	0
7	24465008.000	1103.375	14.4170	0.0365	0.190	1.59	2.65	136.0900	15.00	0
8	24295120.000	1103.375	14.4475	0.0365	0.187	1.55	2.65	192.5930	17.78	0
9	24295120.000	1103.375	14.6914	0.0332	0.190	1.59	2.65	193.0000	17.22	0
10	22850992.000	1100.328	15.4534	0.0415	0.298	1.69	2.65	77.2170	26.11	0
11	22652784.000	1103.375	13.4417	0.0382	0.190	1.59	2.65	190.0000	18.33	0
12	22058144.000	1103.375	13.8074	0.0349	0.190	1.59	2.65	186.4120	11.67	0
13	22029840.000	1097.280	14.6304	0.0365	0.197	1.55	2.65	59.3570	16.67	0
14	21208672.000	1100.328	13.2283	0.0382	0.197	1.55	2.65	144.3570	18.89	0
15	21010464.000	1100.328	12.9845	0.0315	0.177	1.50	2.65	216.4530	10.00	0
16	18490336.000	1097.280	12.5273	0.0398	0.190	1.59	2.65	203.6370	20.00	0
17	18122224.000	1088.135	12.8930	0.0332	0.206	1.62	2.65	137.0660	7.22	0
18	17414336.000	1085.088	12.5578	0.0332	0.232	1.69	2.65	104.6420	7.78	0
19	17017904.000	1091.184	12.1310	0.0382	0.196	1.62	2.65	261.6799	21.67	0
20	16932960.000	1085.088	12.3749	0.0365	0.202	1.64	2.65	167.4720	5.56	0
21	16338328.000	1072.896	12.5578	0.0332	0.197	1.58	2.65	206.9950	6.11	0
22	15177372.000	1066.800	11.5214	0.0357	0.187	1.53	2.65	150.8590	7.22	0
23	14214629.000	1054.608	11.4605	0.0266	0.189	1.53	2.65	193.7350	7.78	0
24	13931469.000	1051.560	11.7653	0.0349	0.193	1.49	2.65	25.8590	6.67	0
25	12204193.000	1033.271	9.5707	0.0432	0.190	1.49	2.65	105.6820	25.56	0
26	11751137.000	1042.416	11.1252	0.0332	0.301	1.63	2.65	45.8510	27.78	0
27	11637873.000	1027.176	14.4780	0.0315	0.301	1.63	2.65	152.7900	19.44	0
28	10901657.000	1045.464	10.6985	0.0266	0.252	1.81	2.65	33.2380	24.44	0
29	10703445.000	1014.984	10.2718	0.0315	0.203	1.61	2.65	140.5180	6.11	0
30	10590181.000	1024.128	10.5766	0.0315	0.292	1.80	2.65	45.3730	24.44	0
31	10561865.000	1008.888	9.2050	0.0365	0.178	1.53	2.65	97.1550	25.00	0
32	10505233.000	1033.271	10.6070	0.0282	0.301	1.63	2.65	48.6890	28.89	0
33	9825650.000	1002.792	8.9306	0.0407	0.190	1.59	2.65	110.2070	33.89	0
34	8041742.000	993.647	9.5402	0.0216	0.305	1.70	2.65	20.5050	27.22	0
35	7503738.000	987.552	8.9306	0.0266	0.301	1.63	2.65	29.1840	28.33	0
36	7447106.000	987.552	9.1745	0.0282	0.301	1.63	2.65	20.8730	29.44	0
37	6937418.000	978.407	8.5649	0.0232	0.301	1.63	2.65	21.9520	28.89	0
38	6540994.000	972.312	8.5954	0.0266	0.301	1.63	2.65	19.5900	29.44	0
39	6456046.000	938.784	8.8392	0.0232	0.312	1.63	2.65	33.8380	20.56	0
40	5493302.000	914.400	6.9190	0.0365	0.187	1.58	2.65	48.7550	31.67	0
41	5323406.000	914.400	8.2296	0.0199	0.301	1.63	2.65	16.3760	30.56	0
42	5125194.000	908.303	6.7361	0.0357	0.190	1.59	2.65	69.6760	33.89	0
43	5096878.000	911.352	7.9248	0.0232	0.311	1.61	2.65	15.0020	28.33	0
44	4955298.000	905.256	8.1077	0.0199	0.300	1.65	2.65	33.2770	17.78	0
45	4898667.000	908.303	7.8334	0.0216	0.324	2.20	2.65	16.3270	29.44	0
46	4813719.000	911.352	7.8334	0.0232	0.311	1.59	2.65	14.5640	25.56	0
47	4700455.000	908.303	7.5895	0.0199	0.346	1.47	2.65	12.0660	23.89	0
48	4615507.000	908.303	7.7724	0.0199	0.301	1.63	2.65	30.8340	30.56	0
49	4530559.000	899.160	7.4981	0.0216	0.315	1.60	2.65	13.2370	17.78	0
50	4502243.000	908.303	7.6810	0.0199	0.286	1.65	2.65	12.4220	28.33	0
51	4332347.000	896.112	7.5286	0.0216	0.320	1.56	2.65	12.1460	17.22	0
52	4275715.000	896.112	7.5286	0.0216	0.292	1.66	2.65	14.5910	17.22	0
53	4247399.000	896.112	7.5895	0.0183	0.304	1.63	2.65	12.2900	17.78	0
54	21605088.000	542.544	17.2822	0.1336	0.656	1.92	2.65	188.4250	27.22	0
55	19934448.000	548.640	16.7640	0.1182	0.684	2.01	2.65	185.4600	25.00	0

MIS - MISSISSIPPI RIVER DATA OF TOFFALETI, F.B. (1963)
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	19084976.000	575.462	13.6855	0.1131	0.462	2.00	2.65	329.0950	18.33	0
57	13251885.000	532.181	15.2400	0.0773	0.656	1.92	2.65	118.4090	27.78	0
58	11637873.000	505.968	12.0701	0.0824	0.174	1.37	2.65	511.7068	4.44	0
59	10958289.000	523.036	13.7160	0.0456	0.764	1.99	2.65	235.7780	21.11	0
60	10760077.000	518.160	11.9482	0.1080	0.562	1.99	2.65	96.9270	16.67	0
61	10278705.000	513.588	11.3995	0.0824	0.411	1.87	2.65	178.0010	8.89	0
62	10165441.000	516.635	12.2530	0.0875	0.610	2.05	2.65	213.6660	21.11	0
63	9910597.000	508.711	11.3995	0.1045	0.432	1.95	2.65	145.1890	9.44	0
64	8777958.000	510.844	10.6680	0.1080	0.355	2.21	2.65	232.1240	22.78	0
65	8523114.000	507.796	10.6375	0.0954	0.481	2.13	2.65	104.3750	13.33	0
66	8523114.000	513.893	10.9423	0.0722	0.482	1.96	2.65	132.4710	22.22	0
67	8409850.000	502.920	11.0642	0.1029	0.292	1.79	2.65	175.0940	18.33	0
68	8409850.000	494.995	10.8509	0.0824	0.481	2.13	2.65	109.9020	13.33	0
69	8239954.000	509.625	10.3632	0.0926	0.237	1.95	2.65	233.2590	1.67	0
70	8183322.000	514.502	10.4242	0.0691	0.226	2.02	2.65	187.3850	19.44	0
71	8126690.000	518.160	10.7290	0.1131	0.442	1.93	2.65	103.7800	10.56	0
72	7871846.000	510.844	11.0947	0.0603	0.532	2.76	2.65	130.8890	10.00	0
73	7786898.000	507.187	10.2108	0.0763	0.250	1.95	2.65	239.2770	1.67	0
74	7362158.000	498.653	10.1194	0.0784	0.389	2.40	2.65	127.6820	10.00	0
75	7322516.000	515.721	9.8146	0.1182	0.213	1.68	2.65	320.5750	9.44	0
76	6909102.000	507.187	10.2718	0.0568	0.215	2.86	2.65	112.3400	16.67	0
77	6909102.000	494.995	9.8755	0.0885	0.389	2.40	2.65	121.4610	10.56	0
78	6880786.000	505.968	9.3269	0.1182	0.372	1.76	2.65	226.2150	8.33	0
79	6824154.000	505.358	9.9974	0.0722	0.595	2.00	2.65	67.7200	20.56	0
80	6795838.000	504.748	11.2166	0.0363	0.738	1.85	2.65	86.0840	20.00	0
81	6795838.000	508.406	9.8755	0.0978	0.421	1.91	2.65	105.0940	19.44	0
82	6710890.000	499.262	9.4793	0.1080	0.416	1.91	2.65	137.4130	25.56	0
83	6625942.000	505.968	10.9728	0.0251	0.760	2.81	2.65	131.8850	16.67	0
84	6399414.000	499.872	9.5707	0.0855	0.389	2.40	2.65	108.3220	11.11	0
85	6257834.000	499.872	9.6012	0.0824	0.407	2.45	2.65	106.0730	11.11	0
86	6257834.000	504.139	9.9670	0.0545	0.446	2.79	2.65	105.7370	8.89	0
87	6257834.000	501.701	9.7841	0.0632	0.163	1.33	2.65	118.8290	12.22	0
88	6229518.000	501.091	10.0584	0.1080	0.369	1.71	2.65	77.2190	25.00	0
89	6201202.000	501.701	10.2108	0.0261	0.314	2.65	2.65	166.6600	8.33	0
90	6059622.000	494.385	9.5402	0.0875	0.339	1.60	2.65	112.1430	13.89	0
91	6070949.000	511.454	9.7231	0.1080	0.320	2.59	2.65	105.3590	22.22	0
92	6059622.000	494.385	9.5098	0.0734	0.317	2.57	2.65	85.6240	15.56	0
93	5946358.000	502.920	10.4851	0.0415	0.659	2.74	2.65	51.5760	26.67	0
94	5719830.000	499.872	9.6622	0.0415	0.163	1.37	2.65	181.9710	6.11	0
95	5606566.000	502.920	10.1194	0.0363	0.716	1.86	2.65	44.5850	27.22	0
96	5578250.000	498.348	9.1745	0.0722	0.214	2.77	2.65	91.1300	25.00	0
97	5436670.000	497.738	9.3269	0.0456	0.620	2.24	2.65	60.0810	22.78	0
98	5323406.000	495.300	8.9916	0.0647	0.214	2.77	2.65	72.2110	26.11	0
99	5266774.000	499.567	9.4488	0.0530	0.625	2.37	2.65	86.1490	3.89	0
100	5068562.000	492.861	8.5649	0.0788	0.176	1.39	2.65	101.1220	21.11	0
101	5040246.000	492.252	8.5344	0.0618	0.176	1.39	2.65	103.1490	22.78	0
102	5040246.000	499.872	9.8146	0.0415	0.545	2.16	2.65	24.5890	28.33	0
103	4983614.000	491.032	8.5039	0.0661	0.196	2.98	2.65	98.4200	26.67	0
104	4955298.000	491.947	9.0526	0.0671	0.464	1.90	2.65	38.5760	23.33	0
105	4898667.000	486.765	8.9002	0.0456	0.554	2.05	2.65	31.3030	27.78	0
106	4870351.000	497.433	8.5649	0.0978	0.312	1.80	2.65	70.5180	18.89	0
107	4870351.000	494.385	8.5039	0.1029	0.313	1.72	2.65	106.3160	8.33	0
108	4813719.000	493.776	9.6622	0.0251	0.760	2.81	2.65	92.2940	17.22	0
109	4728771.000	497.738	9.2354	0.0312	0.643	1.78	2.65	34.2050	26.11	0
110	4700455.000	492.252	8.3515	0.0647	0.239	3.76	2.65	80.8870	27.78	0

MIS - MISSISSIPPI RIVER DATA OF TOFFALETTI, F.B. (1968)
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	4615507.000	486.156	8.3820	0.0720	0.220	1.71	2.65	107.8630	18.33	0
112	4558875.000	496.823	9.6317	0.0261	0.500	2.00	2.65	32.0230	25.56	0
113	4530559.000	486.156	8.5039	0.0618	0.211	2.15	2.65	69.0840	23.89	0
114	4502243.000	486.156	8.4125	0.0661	0.196	1.60	2.65	59.0210	26.11	0
115	4502243.000	486.156	8.4125	0.0671	0.196	1.60	2.65	59.0210	26.11	0
116	4388979.000	483.108	7.9858	0.0749	0.208	1.63	2.65	126.3520	6.11	0
117	4190767.000	482.803	8.3515	0.0466	0.596	2.26	2.65	37.5930	27.78	0
118	4134135.000	485.241	8.0772	0.1029	0.433	1.90	2.65	66.5620	21.11	0
119	4049187.000	480.365	8.0162	0.0459	0.459	1.89	2.65	31.3850	25.56	0
120	4020871.000	480.365	7.9858	0.0632	0.215	2.41	2.65	40.4880	24.44	0
121	3992555.000	480.365	8.0162	0.0773	0.500	1.83	2.65	62.3460	24.44	0
122	3907607.000	481.889	7.7724	0.0720	0.219	1.66	2.65	79.2910	15.56	0
123	3907607.000	481.889	7.7724	0.0875	0.219	1.66	2.65	78.2160	16.11	0
124	3850975.000	484.022	7.4676	0.1080	0.223	1.78	2.65	201.8240	8.33	0
125	3850975.000	484.632	7.7419	0.0518	0.458	2.79	2.65	36.0010	20.00	0
126	3822659.000	486.461	7.5590	0.0926	0.370	1.74	2.65	99.7360	13.33	0
127	3766027.000	480.974	7.7724	0.0312	0.634	2.65	2.65	17.2910	29.44	0
128	3681079.000	481.279	7.6505	0.0773	0.555	1.81	2.65	41.5140	26.67	0
129	3624447.000	475.488	7.5286	0.0722	0.457	2.14	2.65	59.4050	25.56	0
130	3624447.000	486.156	7.4676	0.0486	0.427	2.42	2.65	36.8020	18.33	0
131	3567815.000	479.145	6.5837	0.0786	0.173	1.35	2.65	201.0620	16.67	0
132	3426235.000	478.536	7.9858	0.0415	0.732	2.65	2.65	15.0210	28.33	0
133	3397919.000	480.974	7.3457	0.0665	0.359	2.30	2.65	69.5480	12.78	0
134	3256339.000	472.744	7.3457	0.0603	0.302	2.41	2.65	23.5450	26.67	0
135	3256339.000	472.744	7.3457	0.0619	0.302	2.41	2.65	23.2230	26.67	0
136	3114759.000	478.536	7.3152	0.0613	0.669	2.28	2.65	26.6390	7.78	0
137	3086443.000	477.926	6.7361	0.0925	0.392	1.99	2.65	60.9120	22.22	0
138	3029811.000	480.060	7.7419	0.0312	0.546	2.19	2.65	23.9190	24.44	0
139	3001495.000	474.878	6.8275	0.0773	0.509	1.94	2.65	48.2900	26.11	0
140	2916547.000	477.621	6.4008	0.0619	0.444	2.12	2.65	48.9760	18.33	0
141	2888231.000	472.440	6.9494	0.0773	0.478	2.01	2.65	37.0920	25.00	0
142	2831599.000	477.621	6.9494	0.0647	0.290	2.54	2.65	30.7860	21.11	0
143	2789125.000	469.392	6.9494	0.0691	0.314	1.99	2.65	20.7110	22.78	0
144	2633387.000	469.392	6.6446	0.0619	0.586	2.48	2.65	13.5610	18.33	0
145	2627724.000	469.392	5.9436	0.0925	0.560	2.36	2.65	70.3470	1.67	0
146	2486144.000	471.220	6.4008	0.0559	0.270	2.08	2.65	19.4330	22.22	0
147	2299258.000	470.611	5.5474	0.0978	0.621	2.55	2.65	51.1610	9.44	0
148	2279437.000	470.916	6.0350	0.0720	0.215	2.33	2.65	36.8620	5.56	0
149	2279437.000	470.916	6.0350	0.0925	0.215	2.33	2.65	35.9400	5.56	0
150	2270942.000	469.392	5.9741	0.0722	0.575	2.46	2.65	67.0620	1.67	0
151	2208647.000	465.429	6.0655	0.0720	0.300	2.08	2.65	30.4340	5.56	0
152	2115204.000	474.878	6.5227	0.0517	0.600	4.07	2.65	7.4480	21.11	0
153	2101046.000	464.515	5.6388	0.1029	0.401	2.00	2.65	43.4910	16.67	0
154	2064235.000	471.830	6.3398	0.0457	1.129	3.56	2.65	14.7550	11.11	0
155	2004772.000	467.258	5.6083	0.0516	0.284	2.32	2.65	14.1450	21.11	0
156	1911329.000	472.135	6.1874	0.0519	0.557	2.87	2.65	23.0800	1.67	0
157	1885845.000	463.905	5.5474	0.0516	0.277	2.33	2.65	11.6960	18.33	0
158	1885845.000	471.525	6.1570	0.0574	0.616	3.25	2.65	20.6070	1.67	0
159	1806560.000	470.916	6.0960	0.0574	0.578	2.64	2.65	13.8370	5.00	0
160	1766918.000	462.686	5.3950	0.0559	0.261	2.64	2.65	20.8050	6.67	0
161	1755591.000	470.611	6.0046	0.0722	0.513	2.59	2.65	13.7600	5.00	0
162	1633832.000	459.638	5.1816	0.1029	0.321	1.95	2.65	44.6780	2.22	0
163	1560211.000	460.248	4.8158	0.1336	0.295	1.94	2.65	26.2540	14.44	0
164	1512074.000	455.980	4.9378	0.0793	0.230	2.21	2.65	13.4750	3.33	0
165	1512074.000	457.200	4.6634	0.0722	0.472	2.54	2.65	25.0060	1.67	0

MOR - MISSOURI RIVER DATA OF SHEN, H.W., MELLEMA, AND HARRISON (1978)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	908975.625	215.751	3.0785	0.1550	0.199	1.15	2.65	-1.0000	21.67	3
2	928797.500	214.591	3.1486	0.1610	0.208	1.19	2.65	-1.0000	22.78	3
3	891985.500	212.826	3.0023	0.1440	0.193	1.15	2.65	-1.0000	17.78	3
4	906144.000	213.174	3.0450	0.1460	0.207	1.15	2.65	-1.0000	17.78	3
5	900480.500	214.355	2.9200	0.1520	0.209	1.14	2.65	-1.0000	14.44	3
6	931629.250	215.886	2.8316	0.1470	0.209	1.15	2.65	-1.0000	15.56	4
7	996758.375	214.082	2.8499	0.1540	0.223	1.14	2.65	-1.0000	9.44	4
8	934461.000	215.594	2.7828	0.1480	0.222	1.14	2.65	-1.0000	10.00	4
9	940124.375	213.900	2.8164	0.1470	0.209	1.14	2.65	-1.0000	6.67	4
10	965609.625	223.536	3.0876	0.1450	0.204	1.16	2.65	-1.0000	22.22	3
11	971273.000	210.709	2.9139	0.1530	0.199	1.14	2.65	-1.0000	17.22	4
12	923134.125	201.763	2.9962	0.1570	0.210	1.17	2.65	-1.0000	12.78	4
13	937292.625	201.943	2.7737	0.1600	0.224	1.14	2.65	-1.0000	5.00	5
14	962778.000	209.396	3.5662	0.1185	0.190	1.14	2.65	-1.0000	25.56	0
15	889153.750	207.693	3.0937	0.1250	0.200	1.15	2.65	-1.0000	18.89	3
16	948619.500	198.354	2.9383	0.1520	0.222	1.14	2.65	-1.0000	13.33	3
17	894817.125	196.273	2.9444	0.1520	0.208	1.16	2.65	-1.0000	2.22	4
18	1523454.000	214.700	4.2794	0.1440	0.227	1.16	2.65	-1.0000	19.44	3
19	1387533.000	208.595	3.8557	0.1410	0.209	1.17	2.65	-1.0000	10.56	4
20	1228957.000	203.260	3.5936	0.1470	0.220	1.16	2.65	-1.0000	7.22	4
21	962778.000	194.347	3.0724	0.1420	0.218	1.15	2.65	-1.0000	2.78	4
22	1823614.000	221.648	4.9987	0.1670	-1.000	-1.00	2.65	-1.0000	15.56	0
23	1834941.000	222.888	4.9378	0.1470	0.266	1.17	2.65	-1.0000	16.11	3
24	1812288.000	218.133	4.8158	0.1490	0.260	1.17	2.65	-1.0000	10.00	3
25	1837773.000	219.006	4.7549	0.1480	-1.000	-1.00	2.65	-1.0000	7.78	4

MOU - MOUNTAIN CREEK DATA OF EINSTEIN, H.A. (1944)
(SHEET 1 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	153.649	3.923	0.0880	1.3700	0.899	1.84	2.65	79.0200	25.00	0
2	163.812	3.947	0.0920	1.3900	0.899	1.84	2.65	74.1170	25.00	0
3	163.812	3.947	0.0920	1.3700	0.899	1.84	2.65	74.1170	25.00	0
4	170.135	3.975	0.0936	1.3900	0.899	1.84	2.65	83.2560	25.00	0
5	153.649	3.923	0.0880	1.4000	0.899	1.84	2.65	79.0200	25.00	0
6	305.600	4.255	0.1354	1.5000	0.899	1.84	2.65	172.1600	24.00	0
7	299.210	4.249	0.1336	1.4900	0.899	1.84	2.65	108.2070	24.00	0
8	269.579	4.206	0.1244	1.5100	0.899	1.84	2.65	135.1140	24.00	0
9	255.808	4.176	0.1211	1.5100	0.899	1.84	2.65	110.7460	24.00	0
10	249.799	4.160	0.1194	1.4900	0.899	1.84	2.65	145.8120	24.00	0
11	237.987	4.145	0.1156	1.5000	0.899	1.84	2.65	136.0440	24.00	0
12	232.135	4.130	0.1138	1.4900	0.899	1.84	2.65	104.6050	24.00	0
13	220.632	4.115	0.1100	1.4900	0.899	1.84	2.65	91.7160	24.00	0
14	214.937	4.100	0.1082	1.4800	0.899	1.84	2.65	112.9750	24.00	0
15	203.736	4.081	0.1043	1.4800	0.899	1.84	2.65	119.1660	24.00	0
16	198.191	4.063	0.1026	1.4800	0.899	1.84	2.65	122.5210	24.00	0
17	186.031	4.020	0.0992	1.4800	0.899	1.84	2.65	81.5810	21.50	0
18	191.442	4.039	0.1010	1.4900	0.899	1.84	2.65	84.5600	21.50	0
19	186.031	4.020	0.0992	1.5100	0.899	1.84	2.65	108.7740	21.50	0
20	191.442	4.039	0.1010	1.5200	0.899	1.84	2.65	105.7000	21.50	0
21	191.442	4.039	0.1010	1.5500	0.899	1.84	2.65	132.1250	21.50	0
22	191.442	4.039	0.1010	1.5600	0.899	1.84	2.65	95.1300	21.50	0
23	191.442	4.039	0.1010	1.5700	0.899	1.84	2.65	116.2700	21.50	0
24	97.487	3.551	0.0693	1.5200	0.899	1.84	2.65	72.6500	25.00	0
25	318.531	4.267	0.1392	1.5500	0.899	1.84	2.65	686.0959	25.00	0
26	1016.199	4.334	0.3287	1.7900	0.899	1.84	2.65	573.4900	25.00	0
27	1386.118	4.334	0.4147	1.8500	0.899	1.84	2.65	490.5159	25.00	0
28	1463.188	4.334	0.4327	1.8800	0.899	1.84	2.65	431.4858	25.00	0
29	1492.873	4.334	0.4380	1.8300	0.899	1.84	2.65	276.5159	25.00	0
30	1481.030	4.334	0.4362	1.9200	0.899	1.84	2.65	209.0450	25.00	0
31	1345.281	4.334	0.4057	1.8700	0.899	1.84	2.65	230.1390	25.00	0
32	1038.571	4.334	0.3510	1.8400	0.899	1.84	2.65	140.2840	25.00	0
33	683.373	4.334	0.2723	1.7100	0.899	1.84	2.65	71.0670	25.00	0
34	421.809	4.334	0.2047	1.6500	0.899	1.84	2.65	28.7840	25.00	0
35	288.039	4.334	0.1652	1.6300	0.899	1.84	2.65	42.1510	25.00	0
36	226.829	4.295	0.1444	1.6300	0.899	1.84	2.65	26.7630	25.00	0
37	181.901	4.020	0.0970	1.6000	0.899	1.84	2.65	200.2400	25.50	0
38	181.901	4.020	0.0970	1.5900	0.899	1.84	2.65	177.9910	25.50	0
39	181.901	4.020	0.0970	1.5900	0.899	1.84	2.65	200.2400	25.50	0
40	181.901	4.020	0.0970	1.5900	0.899	1.84	2.65	177.9910	25.50	0
41	188.503	4.039	0.0988	1.5800	0.899	1.84	2.65	214.6960	25.50	0
42	188.503	4.039	0.0988	1.5800	0.899	1.84	2.65	171.7570	25.50	0
43	239.447	4.145	0.1156	1.5600	0.899	1.84	2.65	185.9200	25.50	0
44	349.882	4.313	0.1479	1.6300	0.899	1.84	2.65	138.8040	25.50	0
45	446.859	4.334	0.1771	1.6100	0.899	1.84	2.65	181.1350	25.50	0
46	446.859	4.334	0.1771	1.6300	0.899	1.84	2.65	181.1350	25.50	0
47	439.544	4.334	0.1751	1.6100	0.899	1.84	2.65	257.8088	25.50	0
48	432.276	4.334	0.1731	1.5900	0.899	1.84	2.65	234.0570	25.50	0
49	408.055	4.334	0.1652	1.5700	0.899	1.84	2.65	168.6060	25.50	0
50	393.948	4.334	0.1612	1.5800	0.899	1.84	2.65	195.1900	25.50	0
51	393.948	4.334	0.1612	1.5800	0.899	1.84	2.65	195.1900	25.50	0
52	354.650	4.313	0.1499	1.5600	0.899	1.84	2.65	182.5840	25.50	0
53	354.650	4.313	0.1499	1.5600	0.899	1.84	2.65	171.1730	25.50	0
54	336.463	4.295	0.1444	1.5900	0.899	1.84	2.65	204.4820	25.50	0
55	318.531	4.267	0.1392	1.5700	0.899	1.84	2.65	228.6990	25.50	0

MOU - MOUNTAIN CREEK DATA OF EINSTEIN, H.A. (1944)
(SHEET 2 OF 2)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATICN	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	305.600	4.255	0.1354	1.5700	0.899	1.84	2.65	158.9170	25.50	0
57	118.769	3.764	0.0750	1.5800	0.899	1.84	2.65	40.8900	21.50	0
58	92.452	3.505	0.0676	1.6100	0.899	1.84	2.65	70.0400	21.50	0
59	75.230	3.292	0.0610	1.5100	0.899	1.84	2.65	53.7970	20.00	0
60	345.320	4.282	0.1407	1.3600	0.899	1.84	2.65	263.6958	20.00	0
61	704.793	4.334	0.2493	1.6000	0.899	1.84	2.65	344.5339	20.00	0
62	880.760	4.334	0.2950	1.7500	0.899	1.84	2.65	317.0540	20.00	0
63	963.312	4.334	0.3157	1.7900	0.899	1.84	2.65	384.4119	20.00	0
64	1006.130	4.334	0.3269	1.7700	0.899	1.84	2.65	259.4468	20.00	0
65	1016.199	4.334	0.3287	1.8100	0.899	1.84	2.65	238.9540	20.00	0
66	1016.199	4.334	0.3287	1.8000	0.899	1.84	2.65	406.2219	20.00	0
67	1016.199	4.334	0.3287	1.8000	0.899	1.84	2.65	238.9540	20.00	0
68	932.722	4.334	0.3269	1.7900	0.899	1.84	2.65	195.2550	20.00	0
69	898.769	4.334	0.3194	1.7900	0.899	1.84	2.65	351.2278	20.00	0
70	846.803	4.334	0.3082	1.7700	0.899	1.84	2.65	179.2220	20.00	0
71	814.229	4.334	0.3007	1.7900	0.899	1.84	2.65	111.8350	20.00	0
72	760.645	4.334	0.2893	1.7900	0.899	1.84	2.65	207.5030	20.00	0
73	650.245	4.334	0.2646	1.7900	0.899	1.84	2.65	149.3750	20.00	0
74	458.946	4.334	0.2145	1.7300	0.899	1.84	2.65	145.5010	20.00	0
75	206.113	4.221	0.1282	1.6400	0.899	1.84	2.65	73.6320	20.00	0
76	325.115	4.282	0.1407	1.5300	0.899	1.84	2.65	192.9470	15.00	0
77	325.115	4.282	0.1407	1.5500	0.899	1.84	2.65	192.9470	15.00	0
78	318.544	4.270	0.1391	1.5500	0.899	1.84	2.65	215.9840	15.00	0
79	307.383	4.261	0.1352	1.5500	0.899	1.84	2.65	177.7450	15.00	0
80	300.940	4.249	0.1336	1.5600	0.899	1.84	2.65	161.3780	15.00	0
81	299.210	4.249	0.1336	1.5700	0.899	1.84	2.65	169.0740	15.00	0
82	1000.499	3.923	0.1889	2.6900	0.286	1.47	2.65	758.4509	20.00	0
83	647.416	3.923	0.1463	2.7500	0.286	1.47	2.65	931.4189	20.00	0
84	460.368	3.923	0.1188	2.7600	0.286	1.47	2.65	852.7249	20.00	0
85	326.465	3.923	0.0975	2.8500	0.286	1.47	2.65	619.8340	20.00	0
86	241.215	3.923	0.0823	2.9100	0.286	1.47	2.65	2600.5828	20.00	0
87	184.219	3.923	0.0700	2.9600	0.286	1.47	2.65	1120.4119	20.00	0
88	159.364	3.923	0.0641	3.0200	0.286	1.47	2.65	1091.9949	20.00	0
89	145.551	3.923	0.0609	3.0200	0.286	1.47	2.65	1028.7979	20.00	0
90	134.253	3.923	0.0579	3.0600	0.286	1.47	2.65	602.9058	20.00	0
91	134.253	3.923	0.0579	3.0700	0.286	1.47	2.65	572.7598	20.00	0
92	123.374	3.923	0.0549	3.0600	0.286	1.47	2.65	656.0698	20.00	0
93	111.673	3.923	0.0519	3.0900	0.286	1.47	2.65	688.5698	20.00	0
94	101.226	3.923	0.0487	3.0900	0.286	1.47	2.65	519.7520	20.00	0
95	90.059	3.923	0.0457	3.1100	0.286	1.47	2.65	584.1990	20.00	0
96	90.059	3.923	0.0457	3.1100	0.286	1.47	2.65	359.5068	20.00	0
97	90.059	3.923	0.0457	3.0900	0.286	1.47	2.65	359.5068	20.00	0
98	347.582	3.923	0.1038	2.7600	0.286	1.47	2.65	508.2410	20.00	0
99	174.171	3.923	0.0700	2.4800	0.286	1.47	2.65	418.2529	20.00	0
100	64.431	3.923	0.0396	3.1500	0.286	1.47	2.65	1045.8379	20.00	0

NED - SOUTH AMERICAN RIVER AND CANAL DATA OF NEDECO (1973)
(SHEET 1 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	SF
1	1139999.000	300.000	2.7800	0.2100	0.500	8.48	2.68	569.7610	30.00	0
2	1309999.000	295.000	3.0100	0.2300	0.500	8.48	2.68	710.3469	30.00	0
3	1784999.000	295.000	3.6900	0.2400	0.500	8.48	2.68	591.1758	30.00	0
4	792999.750	290.000	2.7900	0.2200	0.500	8.48	2.68	492.1499	30.00	0
5	978999.750	285.000	2.9800	0.1700	0.500	8.48	2.68	463.8518	30.00	0
6	603999.750	284.000	2.0800	0.2300	0.500	8.48	2.68	497.0149	30.00	0
7	260999.875	198.000	1.5700	0.3600	1.080	6.36	2.68	49.2020	30.00	0
8	474999.875	195.000	2.1800	0.4600	1.080	6.36	2.68	179.4500	30.00	0
9	885999.750	194.000	3.2200	0.5700	1.080	6.36	2.68	423.2659	30.00	0
10	503999.875	190.000	2.4600	0.4100	1.080	6.36	2.68	197.5580	30.00	0
11	231999.875	197.000	1.3200	0.3500	1.080	6.36	2.68	99.4730	30.00	0
12	2709998.000	610.000	3.9400	0.4800	1.050	4.32	2.68	389.3218	30.00	0
13	2269999.000	620.000	3.4200	0.5400	1.050	4.32	2.68	378.6990	30.00	0
14	3719997.000	620.000	5.1900	0.4100	1.050	4.32	2.68	312.7859	30.00	0
15	1899999.000	605.000	2.2800	0.3600	1.050	4.32	2.68	621.3059	30.00	0
16	1399999.000	622.000	2.0300	0.4900	1.050	4.32	2.68	517.1228	30.00	0
17	2629998.000	785.000	2.8000	0.3600	0.405	2.12	2.68	601.0750	30.00	0
18	1939999.000	785.000	2.0000	0.4800	0.405	2.12	2.68	317.7310	30.00	0
19	3089998.000	798.000	2.6400	0.6200	0.405	2.12	2.68	516.7739	30.00	0
20	1259999.000	845.000	1.5300	0.4000	0.405	2.12	2.68	292.9028	30.00	0
21	2719999.000	400.000	4.6200	0.1300	0.920	2.23	2.68	705.4419	30.00	0
22	2479997.000	415.000	4.1500	0.1700	0.920	2.23	2.68	385.7300	30.00	0
23	3084999.000	415.000	4.6900	0.2200	0.920	2.23	2.68	507.3550	30.00	0
24	1614999.000	400.000	3.3800	0.1700	0.920	2.23	2.68	380.6338	30.00	0
25	1664999.000	400.000	3.0500	0.1700	0.920	2.23	2.68	434.8179	30.00	0
26	1249999.000	395.000	2.5000	0.3800	0.920	2.23	2.68	304.4778	30.00	0
27	3079997.000	446.000	4.6600	0.2000	0.375	1.53	2.68	498.9038	30.00	0
28	2679999.000	450.000	4.4400	0.2000	0.375	1.53	2.68	723.1938	30.00	0
29	3079997.000	454.000	5.2900	0.2000	0.375	1.53	2.68	-1.0000	30.00	0
30	1994998.000	434.000	3.8800	0.1500	0.375	1.53	2.68	152.1540	30.00	0
31	1953998.000	451.000	3.5300	0.1500	0.375	1.53	2.68	329.2178	30.00	0
32	1492999.000	437.000	3.0900	0.1300	0.375	1.53	2.68	146.8440	30.00	0
33	1369999.000	174.000	6.5800	0.1000	0.375	1.53	2.68	2000.3528	30.00	0
34	283999.875	270.000	1.3900	0.4500	0.265	1.47	2.68	411.5408	30.00	0
35	610999.750	290.000	2.1700	0.4500	0.265	1.47	2.68	300.1838	30.00	0
36	651999.875	280.000	2.8800	0.4500	0.265	1.47	2.68	-1.0000	30.00	0
37	255999.875	93.000	3.1600	0.4500	0.265	1.47	2.68	-1.0000	30.00	0
38	155999.875	115.000	1.7300	0.4500	0.265	1.47	2.68	-1.0000	30.00	0
39	236999.875	76.000	2.4700	0.4500	0.265	1.47	2.68	-1.0000	30.00	0
40	3049998.000	460.000	4.7800	0.1500	0.320	1.47	2.68	445.2629	30.00	0
41	2084998.000	605.000	3.0800	0.1100	0.320	1.47	2.68	-1.0000	30.00	0
42	836999.750	394.000	2.5600	0.1100	0.320	1.47	2.68	-1.0000	30.00	0
43	1560000.000	295.000	4.8500	0.0500	0.320	1.47	2.68	-1.0000	30.00	0
44	2819998.000	410.000	6.3500	0.1600	0.310	1.41	2.68	230.9899	30.00	0
45	3849998.000	405.000	6.9400	0.1600	0.310	1.41	2.68	188.4070	30.00	0
46	3939998.000	410.000	7.6200	0.1900	0.310	1.41	2.68	308.0508	30.00	0
47	2857998.000	410.000	6.5700	0.1600	0.310	1.41	2.68	189.8550	30.00	0
48	1528999.000	415.000	4.0600	0.2900	0.310	1.41	2.68	149.2300	30.00	0
49	14259996.000	578.000	13.0600	0.0740	0.210	1.24	2.68	-1.0000	30.00	0
50	10199998.000	582.000	13.2800	0.0620	0.210	1.24	2.68	329.8269	30.00	0
51	3649998.000	570.000	8.8200	0.0260	0.210	1.24	2.68	16.1640	30.00	0
52	4799998.000	565.000	9.2900	0.0350	0.210	1.24	2.68	91.2720	30.00	0
53	883999.750	131.000	5.4600	0.0740	0.210	1.32	2.68	-1.0000	30.00	0
54	420999.875	135.000	3.8200	0.0570	0.210	1.32	2.68	625.9690	30.00	0
55	566999.875	140.000	4.6000	0.0710	0.210	1.32	2.68	590.8279	30.00	0

NED - SOUTH AMERICAN RIVER AND CANAL DATA OF NEDECO (1973)
(SHEET 2 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	477999.750	120.000	3.5500	0.0620	0.210	1.32	2.68	266.5129	30.00	0
57	82999.875	108.000	2.4700	0.0260	0.210	1.32	2.68	11.2120	30.00	0
58	157999.875	114.000	2.6500	0.0360	0.210	1.32	2.68	120.7370	30.00	0
59	379999.750	79.000	5.4000	0.0830	0.150	1.29	2.68	-1.0000	30.00	0
60	354999.875	78.000	5.3700	0.0830	0.150	1.29	2.68	-1.0000	30.00	0
61	478999.875	78.000	6.2400	0.0880	0.150	1.29	2.68	-1.0000	30.00	0
62	439999.875	85.000	4.4700	0.0590	0.150	1.29	2.68	232.6390	30.00	0
63	543999.875	84.000	5.1300	0.0890	0.150	1.29	2.68	156.4490	30.00	0
64	119999.938	76.000	3.5400	0.0200	0.150	1.29	2.68	10.2360	30.00	0
65	21999.988	34.000	3.5600	0.0640	0.100	1.38	2.68	-1.0000	30.00	0
66	15999.988	34.000	3.3500	0.0650	0.100	1.38	2.68	-1.0000	30.00	0
67	10999.992	35.000	3.6300	0.0880	0.100	1.38	2.68	-1.0000	30.00	0
68	110999.875	41.000	4.1200	0.0910	0.100	1.38	2.68	163.4760	30.00	0
69	141999.875	36.000	3.9200	0.0680	0.100	1.38	2.68	393.1919	30.00	0
70	54999.984	39.000	3.0800	0.0890	0.100	1.38	2.68	23.0100	30.00	0
71	56999.980	31.000	3.4200	0.0200	0.100	1.38	2.68	5.8770	30.00	0
72	316999.875	78.000	4.4100	0.0640	0.120	1.32	2.68	-1.0000	30.00	0
73	338999.750	78.000	4.5500	0.0650	0.120	1.32	2.68	-1.0000	30.00	0
74	469999.750	78.000	5.0800	0.0880	0.120	1.32	2.68	-1.0000	30.00	0
75	321999.750	69.000	3.7800	0.0910	0.120	1.32	2.68	328.8728	30.00	0
76	279999.875	85.000	3.1500	0.0770	0.120	1.32	2.68	192.7580	30.00	0
77	369999.875	88.000	3.9100	0.0890	0.120	1.32	2.68	140.8410	30.00	0
78	67999.875	74.000	2.1600	0.0200	0.120	1.32	2.68	9.3060	30.00	0
79	247999.875	74.000	3.4900	0.0600	0.180	1.28	2.68	-1.0000	30.00	0
80	260999.875	76.000	3.4200	0.0620	0.180	1.28	2.68	-1.0000	30.00	0
81	59999.980	73.000	2.7900	0.0200	0.180	1.28	2.68	-1.0000	30.00	0
82	39999.984	75.000	3.0300	0.0370	0.180	1.28	2.68	-1.0000	30.00	0
83	68999.938	27.000	2.7400	0.0920	0.185	1.98	2.68	-1.0000	30.00	0
84	65999.875	28.000	2.6400	0.1300	0.185	1.98	2.68	-1.0000	30.00	0
85	88999.875	32.000	2.6800	0.1700	0.185	1.98	2.68	205.3490	30.00	0
86	125999.875	34.000	2.6200	0.1500	0.185	1.98	2.68	151.5480	30.00	0
87	79999.875	30.000	2.5700	0.1700	0.185	1.98	2.68	261.2529	30.00	0
88	28999.984	27.000	2.2100	0.0200	0.185	1.98	2.68	8.3430	30.00	0
89	8999.988	32.000	1.9000	0.0240	0.185	1.98	2.68	-1.0000	30.00	0
90	195999.875	85.000	2.5800	0.0350	0.120	1.39	2.68	-1.0000	30.00	0
91	186999.875	83.000	2.4900	0.0430	0.120	1.39	2.68	-1.0000	30.00	0
92	168999.875	95.000	2.2100	0.0510	0.120	1.39	2.68	162.9850	30.00	0
93	227999.875	90.000	2.7800	0.0410	0.120	1.39	2.68	168.6430	30.00	0
94	214999.875	100.000	2.9300	0.0470	0.120	1.39	2.68	222.2940	30.00	0
95	50999.984	93.000	1.8000	0.0100	0.120	1.39	2.68	2.9190	30.00	0
96	23999.984	92.000	2.4300	0.0070	0.120	1.39	2.68	-1.0000	30.00	0
97	180999.875	72.000	2.8200	0.0420	0.125	1.63	2.68	-1.0000	30.00	0
98	154999.750	73.000	2.7900	0.0340	0.125	1.63	2.68	-1.0000	30.00	0
99	182999.875	72.000	2.7800	0.0440	0.125	1.63	2.68	-1.0000	30.00	0
100	224999.875	86.000	2.9300	0.0410	0.125	1.63	2.68	215.7230	30.00	0
101	37999.980	77.000	2.4900	0.0030	0.125	1.63	2.68	16.6520	30.00	0
102	98999.875	39.000	2.5800	0.0850	0.125	1.63	2.68	-1.0000	30.00	0
103	86999.875	41.000	2.5000	0.1000	0.125	1.63	2.68	-1.0000	30.00	0
104	149999.875	45.000	2.6200	0.1420	0.125	1.63	2.68	215.8690	30.00	0
105	127999.875	35.000	2.9600	0.1290	0.125	1.63	2.68	58.3050	30.00	0
106	152999.875	41.000	2.6300	0.1770	0.125	1.63	2.68	124.0740	30.00	0
107	33999.988	41.000	2.6600	0.0090	0.125	1.63	2.68	0.0	30.00	0
108	77999.938	75.000	2.0000	0.0230	0.125	1.63	2.68	-1.0000	30.00	0
109	73999.938	69.000	2.1600	0.0260	0.125	1.63	2.68	-1.0000	30.00	0
110	81999.875	75.000	2.0800	0.0240	0.125	1.63	2.68	148.4350	30.00	0

NED - SOUTH AMERICAN RIVER AND CANAL DATA OF NEDECO (1973)
(SHEET 3 OF 3)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	94999.875	75.000	1.8700	0.0460	0.125	1.63	2.68	118.9150	30.00	0
112	80999.938	78.000	1.8200	0.0350	0.125	1.63	2.68	89.1490	30.00	0
113	35999.984	78.000	2.1500	0.0040	0.125	1.63	2.68	0.0	30.00	0

NIO - NIOBRARA RIVER DATA OF COLBY AND HEMEREE (1955)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	7560.363	21.488	0.4669	1.3447	0.310	1.59	2.65	970.0000	23.89	3
2	6456.043	21.336	0.4398	1.2500	0.267	1.69	2.65	1140.0000	20.00	3
3	11354.711	21.336	0.4877	1.7045	0.292	2.08	2.65	1839.9988	5.00	5
4	11722.816	21.641	0.4937	1.7045	0.282	1.63	2.65	1769.9988	6.67	5
5	16055.168	21.946	0.5757	1.7992	0.218	1.51	2.65	1779.9988	11.67	5
6	7645.313	21.336	0.4790	1.2689	0.233	1.64	2.65	780.0000	18.33	3
7	6654.258	21.488	0.4367	1.2879	0.298	1.56	2.65	790.0000	23.33	3
8	7163.941	21.184	0.4605	1.2879	0.351	1.59	2.65	910.0000	22.22	3
9	7220.574	21.336	0.4398	1.1742	0.314	1.58	2.65	1000.0000	17.22	3
10	9740.695	21.336	0.4659	1.4205	0.254	1.63	2.65	1779.9988	15.56	5
11	9429.223	21.031	0.4771	1.4015	0.293	2.24	2.65	1280.0000	16.11	4
12	8891.219	21.336	0.4337	1.3826	0.241	1.58	2.65	1020.0000	10.00	5
13	8324.895	21.641	0.3984	1.5909	0.294	1.62	2.65	1339.9988	1.11	5
14	11949.348	21.641	0.4765	1.3258	0.304	1.69	2.65	1779.9988	1.67	5
15	12883.773	21.641	0.5280	1.6856	0.319	1.64	2.65	2339.9988	14.44	5
16	9061.113	21.336	0.4354	1.6288	0.320	1.66	2.65	1579.9988	11.11	5
17	12232.508	21.336	0.4964	1.6098	0.270	1.63	2.65	2059.9988	20.00	5
18	9032.801	21.031	0.4903	1.5720	0.337	2.52	2.65	1339.9988	20.00	4
19	8070.055	21.336	0.4790	1.3636	0.258	1.63	2.65	1200.0000	23.89	3
20	9287.645	21.336	0.4398	1.5152	0.247	1.61	2.65	1589.9988	7.78	5
21	9174.379	21.336	0.4219	1.5530	0.262	1.64	2.65	1709.9988	1.67	5
22	9599.117	21.031	0.5080	1.2500	0.348	2.33	2.65	893.0000	2.78	4
23	11722.816	21.641	0.5194	1.4773	0.226	1.57	2.65	1819.9988	2.78	5
24	11807.770	21.641	0.4851	1.7045	0.212	1.54	2.65	2119.9988	7.22	5
25	11552.922	21.641	0.5495	1.6288	0.280	1.58	2.65	1699.9988	15.00	4
26	13789.887	21.641	0.5495	1.5341	0.223	1.60	2.65	2749.9978	21.11	5
27	8976.168	21.031	0.4727	1.4962	0.254	1.63	2.65	1200.0000	24.44	4
28	6625.938	21.336	0.4746	1.2500	0.286	1.61	2.65	754.0000	20.00	3
29	7786.895	21.336	0.4920	1.2879	0.325	1.57	2.65	934.0000	25.56	3
30	6569.309	21.336	0.4293	1.1364	0.281	1.59	2.65	503.0000	21.11	3
31	5918.035	21.031	0.4210	1.2500	0.329	1.61	2.65	392.0000	28.89	3
32	7532.051	21.336	0.4920	1.1553	0.296	1.71	2.65	820.0000	20.56	3
33	5861.406	21.336	0.4398	1.2121	0.359	1.74	2.65	429.0000	22.78	3
34	6371.098	21.336	0.4441	1.3258	0.317	1.58	2.65	454.0000	16.67	3
35	6654.258	21.184	0.4693	1.1364	0.306	1.59	2.65	736.0000	16.11	3
36	7956.793	21.184	0.4324	1.4205	0.350	1.55	2.65	1220.0000	11.11	4
37	8239.949	21.336	0.4354	1.4773	0.283	1.62	2.65	1499.9988	8.33	4
38	15064.102	21.946	0.5884	1.6856	0.273	1.59	2.65	2059.9988	5.56	5
39	10193.758	21.641	0.4593	1.6098	0.258	1.67	2.65	1399.9988	12.22	5
40	8013.426	21.031	0.5168	1.3258	0.262	1.65	2.65	792.0000	20.00	3

NSR - N. SASKATCHEWAN R. AND ELBOW R. DATA OF SAMIDE, G.W. (1971)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	26901.813	6.096	2.0422	1.5800	24.644	2.11	2.65	32.2360	13.00	0
2	19582.520	6.096	1.5545	1.5800	22.558	2.15	2.65	24.5230	13.00	0
3	24102.973	6.096	1.7069	1.5800	31.980	2.38	2.65	161.1980	13.00	0
4	24071.320	6.096	2.0117	1.5800	28.307	2.22	2.65	121.9620	13.00	0
5	33109.066	6.096	2.1946	1.5800	17.600	2.47	2.65	81.7210	18.00	0
6	36470.715	6.096	2.4384	1.5800	22.727	2.01	2.65	20.7520	18.00	0
7	19877.609	6.096	1.8288	1.5800	20.547	2.64	2.65	49.2560	18.00	0
8	36428.137	6.096	2.5298	1.5800	27.445	2.02	2.65	25.0430	18.00	0
9	36898.848	6.096	2.5298	1.5800	31.515	2.27	2.65	6.5700	18.00	0
10	39144.324	6.096	2.7432	1.5800	29.186	1.98	2.65	12.9430	18.00	0
11	39144.324	6.096	2.7432	1.5800	34.141	1.77	2.65	12.7450	18.00	0
12	34411.242	6.096	2.4994	1.5800	19.593	2.21	2.65	7.0000	18.00	0
13	34643.184	6.096	2.5298	1.5800	24.377	1.75	2.65	11.8440	18.00	0
14	30029.453	6.096	2.2860	1.5800	13.993	1.83	2.65	18.9420	18.00	0
15	29552.219	6.096	2.3774	1.5800	19.309	2.00	2.65	23.3500	18.00	0
16	24286.680	6.096	2.1641	1.5800	13.606	1.90	2.65	7.1030	18.00	0
17	29377.816	6.096	2.0117	1.5800	30.826	2.27	2.65	19.0970	18.00	0
18	30499.434	6.096	2.0726	1.5800	24.373	1.89	2.65	45.8600	18.00	0
19	31604.922	6.096	2.4689	1.5800	23.807	2.00	2.65	14.5550	18.00	0
20	27908.281	6.096	1.9507	1.5800	24.325	1.93	2.65	26.6740	18.00	0
21	26028.477	6.096	1.8288	1.5800	22.001	2.03	2.65	47.8270	18.00	0
22	26028.477	6.096	1.8288	1.5800	24.101	2.19	2.65	46.7520	18.00	0
23	26028.477	6.096	1.8288	1.5800	22.301	1.95	2.65	65.6200	18.00	0
24	31681.137	6.096	2.2555	1.5800	21.540	2.10	2.65	21.7800	17.00	0
25	31079.465	6.096	2.1336	1.5800	37.223	2.05	2.65	26.2520	17.00	0
26	25156.000	6.096	2.0422	1.5800	40.296	1.86	2.65	10.3170	17.00	0
27	26981.793	6.096	1.9812	1.5800	18.639	2.30	2.65	25.6880	17.00	0
28	26469.605	6.096	1.8288	1.5800	32.530	2.06	2.65	41.3930	17.00	0
29	26469.605	6.096	1.8288	1.5800	29.101	2.17	2.65	53.1940	17.00	0
30	29302.938	6.096	2.0117	1.5800	28.132	1.80	2.65	13.5770	17.00	0
31	22138.395	6.096	1.7678	1.5800	20.188	2.08	2.65	16.9180	17.00	0
32	26543.801	6.096	1.9202	1.5800	45.165	1.50	2.65	4.3910	17.00	0
33	24157.285	6.096	1.7983	1.5800	30.701	2.09	2.65	25.0250	17.00	0
34	24157.285	6.096	1.7983	1.5800	31.916	1.99	2.65	20.3930	17.00	0
35	4908.348	3.048	0.8230	7.4500	14.086	1.85	2.64	125.7020	13.00	0
36	6880.648	3.048	0.8230	7.4500	38.057	1.75	2.64	469.6819	13.00	0
37	6880.680	3.048	0.8230	7.4500	41.335	1.63	2.64	64.0320	13.00	0
38	7052.969	3.048	0.7925	7.4500	57.636	1.66	2.64	25.6710	13.00	0
39	5690.902	3.048	0.7925	7.4500	25.458	2.35	2.64	513.5369	13.00	0
40	7349.488	3.048	0.8534	7.4500	44.176	1.74	2.64	315.1699	13.00	0
41	5830.652	3.048	0.7925	7.4500	49.395	2.07	2.64	222.1560	13.00	0
42	5253.004	3.048	0.7315	7.4500	31.008	1.99	2.64	760.1680	13.00	0
43	5970.809	3.048	0.7925	7.4500	54.890	1.90	2.64	488.0430	13.00	0
44	11621.027	3.048	1.3716	7.4500	31.164	2.06	2.64	545.7720	13.00	0
45	10802.703	3.048	1.0668	7.4500	50.916	2.13	2.64	252.9160	13.00	0
46	10490.543	3.048	1.1887	7.4500	50.916	1.62	2.64	524.4738	13.00	0
47	9985.672	3.048	1.1582	7.4500	76.113	2.34	2.64	505.4399	18.00	0
48	6868.070	3.048	1.0058	7.4500	27.401	1.78	2.64	214.2890	18.00	0
49	6010.691	3.048	0.8839	7.4500	45.102	2.02	2.64	643.6570	18.00	0
50	5335.953	3.048	0.8534	7.4500	30.488	1.90	2.64	252.9580	18.00	0
51	5707.266	3.048	0.8839	7.4500	41.227	2.01	2.64	86.5960	18.00	0
52	5252.500	3.048	0.7620	7.4500	33.096	2.07	2.64	131.5160	18.00	0
53	4709.609	3.048	0.7315	7.4500	29.122	1.94	2.64	247.0010	18.00	0
54	4709.609	3.048	0.7315	7.4500	34.928	1.63	2.64	383.6189	18.00	0
55	4954.547	3.048	0.7925	7.4500	57.506	1.99	2.64	34.8170	18.00	0

OAK - OAK CREEK DATA OF MILHOUS, R.T. (1973)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	2010.436	5.741	0.3718	12.6000	22.000	3.36	2.65	27.6310	5.56	0
2	1415.800	5.709	0.3072	12.5000	16.000	3.73	2.65	7.3760	5.56	0
3	1529.063	5.676	0.3225	12.5000	20.000	3.63	2.65	8.2650	5.56	0
4	2605.071	5.602	0.4657	9.7000	25.000	2.57	2.65	68.3430	5.00	0
5	2605.071	5.602	0.4657	9.7000	17.000	2.91	2.65	51.6040	5.00	0
6	2633.387	5.651	0.4650	9.7000	19.000	3.34	2.65	41.3450	5.00	0
7	2831.599	5.370	0.4945	9.8000	26.000	3.27	2.65	37.7650	5.00	0
8	3397.919	5.775	0.5261	9.9000	24.000	2.38	2.65	111.3320	5.00	0
9	1897.171	5.745	0.3874	10.0000	13.000	3.58	2.65	14.7870	6.67	0
10	1812.224	5.914	0.3704	10.0000	8.200	3.41	2.65	13.9470	6.67	0
11	2605.071	5.816	0.4465	10.2000	27.000	3.78	2.65	51.1770	5.56	0
12	2208.647	5.309	0.4324	10.8000	19.000	2.97	2.65	183.6040	5.56	0
13	1529.063	4.434	0.4035	10.5000	9.500	3.46	2.65	23.6140	5.56	0
14	1330.852	4.225	0.3857	10.4000	11.000	3.63	2.65	13.1480	5.56	0
15	1444.115	4.460	0.3946	10.0000	10.000	3.73	2.65	15.0020	5.56	0
16	1755.592	4.825	0.4185	10.0000	12.000	3.68	2.65	41.1340	5.56	0
17	2095.384	5.283	0.4328	10.0000	23.000	3.27	2.65	69.3260	5.56	0

POR - PORTUGAL RIVER DATA OF DA CUNHA, L.V. (1969) -- NOT VERIFIED
(SHEET 1 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	114896.500	182.401	0.6471	0.9100	2.603	2.30	2.65	129.8940	10.00	0
2	88997.250	173.599	0.5971	0.8200	2.603	2.30	2.65	78.9030	10.00	0
3	88197.313	173.599	0.5922	0.8000	2.603	2.30	2.65	59.6640	10.00	0
4	59598.188	109.999	0.6901	0.6900	2.603	2.30	2.65	48.1340	10.00	0
5	83297.375	102.001	0.9302	0.8500	2.603	2.30	2.65	45.0040	10.00	0
6	104696.750	140.001	0.8224	0.8700	2.603	2.30	2.65	72.6190	10.00	0
7	89897.250	140.001	0.7242	0.7700	2.603	2.30	2.65	105.1300	10.00	0
8	78397.500	114.001	0.7913	0.7300	2.603	2.30	2.65	72.7350	10.00	0
9	121996.125	140.001	0.9114	0.8200	2.603	2.30	2.65	148.5900	10.00	0
10	194093.875	182.901	1.0936	0.7100	2.603	2.30	2.65	89.0430	10.00	0
11	162795.000	182.999	0.9836	0.7300	2.603	2.30	2.65	95.1350	10.00	0
12	279791.250	183.999	1.3567	0.7500	2.603	2.30	2.65	75.7970	10.00	0
13	294990.875	183.999	1.6014	0.6100	2.603	2.30	2.65	91.9970	10.00	0
14	309990.500	184.099	1.6758	0.6500	2.603	2.30	2.65	227.2670	10.00	0
15	221793.125	183.800	1.1848	0.7800	2.603	2.30	2.65	96.3320	10.00	0
16	191194.125	183.499	1.0866	0.8000	2.603	2.30	2.65	80.7280	10.00	0
17	170894.625	183.401	1.0174	0.8200	2.603	2.30	2.65	70.6470	10.00	0
18	215593.250	183.651	1.1607	0.8000	2.603	2.30	2.65	71.8370	10.00	0
19	196994.000	183.630	1.1110	0.8100	2.603	2.30	2.65	146.3390	10.00	0
20	141995.625	182.999	0.8531	0.8200	2.603	2.30	2.65	179.8420	10.00	0
21	152395.125	182.999	0.8949	0.8700	2.603	2.30	2.65	68.3670	10.00	0
22	136995.750	182.801	0.8361	0.8600	2.603	2.30	2.65	105.2150	10.00	0
23	124496.125	182.200	0.7888	0.8500	2.603	2.30	2.65	161.4390	10.00	0
24	357588.875	184.599	1.7389	0.8400	2.603	2.30	2.65	137.6600	10.00	0
25	305190.625	184.050	1.4932	0.8500	2.603	2.30	2.65	196.9910	10.00	0
26	259992.125	183.849	1.3597	0.8900	2.603	2.30	2.65	206.4610	10.00	0
27	477935.500	187.601	1.8489	0.9500	2.603	2.30	2.65	213.3720	10.00	0
28	320390.125	184.099	1.5493	0.9300	2.603	2.30	2.65	251.9150	10.00	0
29	254392.250	183.800	1.3518	0.9200	2.603	2.30	2.65	259.7798	10.00	0
30	218493.250	183.599	1.2232	0.9400	2.603	2.30	2.65	193.3980	10.00	0
31	192494.000	180.999	1.1439	0.9400	2.603	2.30	2.65	227.7480	10.00	0
32	432586.750	187.601	1.7593	0.9100	2.603	2.30	2.65	215.0160	10.00	0
33	349989.250	184.099	1.7273	0.7200	2.603	2.30	2.65	187.2640	10.00	0
34	574982.500	187.400	2.1528	0.7500	2.603	2.30	2.65	146.6160	10.00	0
35	299990.750	185.001	1.6508	0.7800	2.603	2.30	2.65	209.7920	10.00	0
36	297990.875	185.001	1.6310	0.7700	2.603	2.30	2.65	199.2100	10.00	0
37	269991.625	184.739	1.5030	0.7500	2.603	2.30	2.65	202.0740	10.00	0
38	252992.250	184.401	1.4259	0.7200	2.603	2.30	2.65	160.9040	10.00	0
39	544983.500	188.500	2.1309	0.7900	2.603	2.30	2.65	203.0940	10.00	0
40	613981.250	188.939	2.3159	0.8100	2.603	2.30	2.65	168.9200	10.00	0
41	659980.000	188.790	2.4265	0.8200	2.603	2.30	2.65	207.9730	10.00	0
42	369988.750	186.001	1.8334	0.6800	2.603	2.30	2.65	244.2120	10.00	0
43	317990.375	185.300	1.6999	0.7600	2.603	2.30	2.65	247.1750	10.00	0
44	261991.875	185.001	1.5176	0.7800	2.603	2.30	2.65	253.9230	10.00	0
45	211993.375	177.400	1.2128	0.7900	2.603	2.30	2.65	190.6940	10.00	0
46	201993.875	177.250	1.1838	0.8300	2.603	2.30	2.65	257.2039	10.00	0
47	196994.000	176.001	1.1573	0.8600	2.603	2.30	2.65	210.9320	10.00	0
48	177994.375	176.750	1.0775	0.8100	2.603	2.30	2.65	274.8760	10.00	0
49	169994.750	176.601	1.0385	0.8000	2.603	2.30	2.65	212.2350	10.00	0
50	159995.000	176.351	1.0000	0.7900	2.603	2.30	2.65	181.7200	10.00	0
51	136995.750	175.799	0.9101	0.7100	2.603	2.30	2.65	168.0350	10.00	0
52	132995.875	169.399	0.9229	0.7100	2.603	2.30	2.65	189.8950	10.00	0
53	127996.000	168.499	0.9028	0.6800	2.603	2.30	2.65	134.8870	10.00	0
54	119996.125	166.601	0.8681	0.6500	2.603	2.30	2.65	133.3200	10.00	0
55	129996.000	165.150	0.8403	0.6200	2.603	2.30	2.65	130.1050	10.00	0

POR - PORTUGAL RIVER DATA OF DA CUNHA, L.V. (1969) -- NOT VERIFIED
(SHEET 2 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	111996.625	164.949	0.8214	0.6200	2.603	2.30	2.65	86.7430	10.00	0
57	96997.000	163.199	0.7245	0.5400	2.603	2.30	2.65	94.5320	10.00	0
58	579982.250	187.900	2.3335	0.7700	2.603	2.30	2.65	54.2260	10.00	0
59	614981.250	188.000	2.3774	0.7900	2.603	2.30	2.65	84.2800	10.00	0
60	639980.625	187.699	2.4414	0.8200	2.603	2.30	2.65	109.9180	10.00	0
61	469985.625	187.601	2.0422	0.7700	2.603	2.30	2.65	183.4140	10.00	0
62	451986.250	187.501	1.9934	0.7400	2.603	2.30	2.65	96.8780	10.00	0
63	409987.500	187.269	1.8556	0.7400	2.603	2.30	2.65	214.1620	10.00	0
64	227993.000	183.999	1.3237	0.7300	2.603	2.30	2.65	248.7150	10.00	0
65	196994.000	183.459	1.1214	0.8100	2.603	2.30	2.65	155.8980	10.00	0
66	184994.250	183.499	1.0564	0.8700	2.603	2.30	2.65	213.9590	10.00	0
67	171994.750	183.499	0.9964	0.8900	2.603	2.30	2.65	281.4968	10.00	0
68	166994.875	183.441	0.9565	0.8800	2.603	2.30	2.65	204.9820	10.00	0
69	172994.625	183.349	0.8873	0.8700	2.603	2.30	2.65	258.2009	10.00	0
70	145995.375	183.249	0.8376	0.8600	2.603	2.30	2.65	187.3310	10.00	0
71	124996.000	180.551	0.8047	0.6800	2.603	2.30	2.65	120.6660	10.00	0
72	117996.250	179.600	0.7788	0.8100	2.603	2.30	2.65	192.5560	10.00	0
73	114996.500	178.500	0.7583	0.8100	2.603	2.30	2.65	199.4150	10.00	0
74	101996.875	173.349	0.7050	0.7600	2.603	2.30	2.65	181.5210	10.00	0
75	74997.688	155.000	0.6270	0.6700	2.603	2.30	2.65	113.1090	10.00	0
76	86997.375	161.599	0.6760	0.7400	2.603	2.30	2.65	113.2870	10.00	0
77	84997.438	161.001	0.6632	0.6800	2.603	2.30	2.65	114.9180	10.00	0
78	72997.750	146.950	0.6483	0.7700	2.603	2.30	2.65	51.1120	10.00	0
79	67997.938	145.399	0.6038	0.7900	2.603	2.30	2.65	106.6350	10.00	0
80	70997.813	138.400	0.5861	0.7900	2.603	2.30	2.65	48.3380	10.00	0
81	49998.484	135.999	0.5221	0.7300	2.603	2.30	2.65	47.8720	10.00	0
82	47998.547	134.450	0.5121	0.7300	2.603	2.30	2.65	27.1330	10.00	0
83	41998.723	131.350	0.4785	0.7100	2.603	2.30	2.65	48.6100	10.00	0
84	57998.242	137.251	0.5627	0.8100	2.603	2.30	2.65	50.3720	10.00	0
85	42498.719	130.500	0.4791	0.7200	2.603	2.30	2.65	26.5030	10.00	0
86	39998.793	126.650	0.4788	0.7100	2.603	2.30	2.65	27.7200	10.00	0
87	36498.887	124.249	0.4575	0.7000	2.603	2.30	2.65	38.0930	10.00	0
88	77047.625	70.400	1.0756	0.7700	2.204	2.12	2.65	128.8310	10.00	0
89	66397.875	70.400	1.0927	0.7400	2.204	2.12	2.65	117.1570	10.00	0
90	58298.227	70.400	0.8800	0.7300	2.204	2.12	2.65	107.1700	10.00	0
91	86797.250	70.400	1.2000	0.7300	2.204	2.12	2.65	80.9030	10.00	0
92	82997.438	70.400	1.1500	0.7500	2.204	2.12	2.65	103.4790	10.00	0
93	77897.625	70.400	1.1000	0.7500	2.204	2.12	2.65	60.7750	10.00	0
94	65498.020	70.400	0.9598	0.7300	2.204	2.12	2.65	68.5190	10.00	0
95	56498.293	70.400	0.8598	0.7200	2.204	2.12	2.65	61.3660	10.00	0
96	39998.793	70.400	0.6675	0.6700	2.204	2.12	2.65	96.3600	10.00	0
97	37998.852	69.699	0.6642	0.6300	2.204	2.12	2.65	101.8950	10.00	0
98	35998.906	69.699	0.6343	0.6200	2.204	2.12	2.65	58.1780	10.00	0
99	34998.938	69.601	0.6251	0.6200	2.204	2.12	2.65	34.6970	10.00	0
100	77997.625	70.400	1.1607	0.7700	2.204	2.12	2.65	83.0360	10.00	0
101	95997.000	70.400	1.3506	0.7600	2.204	2.12	2.65	109.2670	10.00	0
102	93997.125	70.400	1.3308	0.7300	2.204	2.12	2.65	85.5660	10.00	0
103	74997.688	70.400	1.1308	0.7300	2.204	2.12	2.65	108.8850	10.00	0
104	102996.875	70.400	1.4204	0.7500	2.204	2.12	2.65	56.7300	10.00	0
105	165994.875	71.299	2.0281	0.7500	2.204	2.12	2.65	67.5370	10.00	0
106	133995.875	71.000	1.8770	0.7400	2.204	2.12	2.65	110.7220	10.00	0
107	137995.750	70.899	1.8194	0.7600	2.204	2.12	2.65	67.0840	10.00	0
108	155995.125	71.201	1.9766	0.7500	2.204	2.12	2.65	127.4870	10.00	0
109	174994.500	71.500	2.1479	0.7700	2.204	2.12	2.65	94.4370	10.00	0
110	189994.125	71.799	2.2884	0.8300	2.204	2.12	2.65	189.8950	10.00	0

POR - PORTUGAL RIVER DATA OF DA CUNHA, L.V. (1969) -- NOT VERIFIED
(SHEET 3 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	178994.375	71.500	2.1879	0.7600	2.204	2.12	2.65	194.7800	10.00	0
112	153995.125	71.201	1.9172	0.8800	2.204	2.12	2.65	148.9140	10.00	0
113	148995.250	71.101	1.8599	0.8800	2.204	2.12	2.65	271.4409	10.00	0
114	142995.625	71.000	1.7822	0.9000	2.204	2.12	2.65	350.8918	10.00	0
115	139995.625	70.799	1.7374	0.8700	2.204	2.12	2.65	269.9080	10.00	0
116	136995.750	70.799	1.6950	0.8200	2.204	2.12	2.65	80.8060	10.00	0
117	134995.750	70.899	1.9382	0.8400	2.204	2.12	2.65	239.0990	10.00	0
118	157995.000	71.101	2.1321	0.8900	2.204	2.12	2.65	231.6960	10.00	0
119	142995.625	70.899	1.9480	0.8900	2.204	2.12	2.65	204.1840	10.00	0
120	196994.000	71.000	2.1647	0.9400	2.204	2.12	2.65	171.7120	10.00	0
121	160995.000	71.601	2.0973	0.9700	2.204	2.12	2.65	123.6370	10.00	0
122	152995.188	70.899	1.9071	0.8100	2.204	2.12	2.65	202.9170	10.00	0
123	156995.125	71.399	1.9385	0.9500	2.204	2.12	2.65	237.9920	10.00	0
124	152995.188	70.899	1.9071	0.9400	2.204	2.12	2.65	246.5150	10.00	0
125	149995.250	70.899	1.8672	0.9200	2.204	2.12	2.65	282.3030	10.00	0
126	152995.188	70.899	1.9071	0.9400	2.204	2.12	2.65	345.6729	10.00	0
127	143995.500	70.899	2.0348	0.8900	2.204	2.12	2.65	252.2660	10.00	0
128	136995.750	70.899	1.9696	0.8500	2.204	2.12	2.65	282.2419	10.00	0
129	130995.875	70.799	1.9123	0.8700	2.204	2.12	2.65	180.8370	10.00	0
130	141995.625	70.899	2.0147	0.8800	2.204	2.12	2.65	246.4000	10.00	0
131	137995.750	70.899	1.9797	0.8700	2.204	2.12	2.65	244.9970	10.00	0
132	120996.125	70.701	1.5587	0.8800	2.204	2.12	2.65	175.7090	10.00	0
133	122996.125	70.701	1.5737	0.8800	2.204	2.12	2.65	207.7660	10.00	0
134	119996.125	70.701	1.5036	0.8900	2.204	2.12	2.65	91.9600	10.00	0
135	116996.375	70.601	1.4710	0.8900	2.204	2.12	2.65	193.4490	10.00	0
136	165994.875	70.899	2.1623	0.8900	2.204	2.12	2.65	247.5660	10.00	0
137	161995.000	70.899	2.1022	0.8600	2.204	2.12	2.65	286.8149	10.00	0
138	158995.125	70.799	2.0751	0.8300	2.204	2.12	2.65	135.9300	10.00	0
139	159995.000	70.799	1.8727	0.9300	2.204	2.12	2.65	261.3599	10.00	0
140	150995.250	70.799	1.8276	0.9200	2.204	2.12	2.65	231.7140	10.00	0
141	140995.625	70.799	1.7026	0.8900	2.204	2.12	2.65	216.3180	10.00	0
142	150995.250	70.799	1.8005	0.8800	2.204	2.12	2.65	198.7280	10.00	0
143	161995.000	70.899	1.9477	0.8900	2.204	2.12	2.65	188.3850	10.00	0
144	178994.375	71.000	2.1345	0.9100	2.204	2.12	2.65	332.4329	10.00	0
145	149995.250	70.799	2.0568	0.9100	2.204	2.12	2.65	173.6530	10.00	0
146	174994.500	71.101	2.3476	0.9500	2.204	2.12	2.65	178.4130	10.00	0
147	157995.000	70.799	2.1769	0.9700	2.204	2.12	2.65	171.0980	10.00	0
148	158995.125	70.799	1.8047	0.9100	2.204	2.12	2.65	259.7930	10.00	0
149	151995.250	70.701	1.8023	0.9100	2.204	2.12	2.65	238.9890	10.00	0
150	150995.250	70.701	1.7922	0.8900	2.204	2.12	2.65	219.9420	10.00	0
151	151995.250	70.701	1.8023	0.9000	2.204	2.12	2.65	202.2840	10.00	0
152	149995.250	70.701	1.7873	0.9000	2.204	2.12	2.65	254.8480	10.00	0
153	149995.250	70.701	1.7773	0.8700	2.204	2.12	2.65	201.3440	10.00	0
154	140995.625	70.701	1.8157	0.9000	2.204	2.12	2.65	226.8030	10.00	0
155	147995.375	70.701	1.8809	0.8700	2.204	2.12	2.65	220.9510	10.00	0
156	140995.625	70.701	1.8358	0.8700	2.204	2.12	2.65	253.1400	10.00	0
157	146995.375	70.701	1.9111	0.8700	2.204	2.12	2.65	222.5740	10.00	0
158	159995.000	70.899	2.0455	0.8700	2.204	2.12	2.65	266.5298	10.00	0
159	160995.000	70.899	2.0242	0.9500	2.204	2.12	2.65	288.4858	10.00	0
160	156995.125	70.899	1.9943	0.9500	2.204	2.12	2.65	227.2300	10.00	0
161	150995.250	70.799	1.9269	0.9500	2.204	2.12	2.65	168.4240	10.00	0
162	147995.375	70.799	1.8971	0.9100	2.204	2.12	2.65	240.0970	10.00	0
163	145995.375	70.799	1.8770	0.8900	2.204	2.12	2.65	260.2629	10.00	0
164	146995.375	70.799	1.8870	0.9300	2.204	2.12	2.65	318.9548	10.00	0
165	150995.250	70.899	2.0547	0.9100	2.204	2.12	2.65	272.3918	10.00	0

POR - PORTUGAL RIVER DATA OF DA CUNHA, L.V. (1969) -- NOT VERIFIED
(SHEET 4 OF 4)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	150995.250	70.799	2.0126	0.8800	2.204	2.12	2.65	148.4930	10.00	0
167	145995.375	70.799	1.9876	0.8900	2.204	2.12	2.65	228.0770	10.00	0
168	140995.625	70.799	1.9727	0.8800	2.204	2.12	2.65	282.8479	10.00	0
169	140995.625	70.799	1.9727	0.8700	2.204	2.12	2.65	212.6980	10.00	0
170	138995.750	70.799	1.9477	0.8500	2.204	2.12	2.65	240.4490	10.00	0
171	136995.750	70.799	1.6316	0.8700	2.204	2.12	2.65	287.3809	10.00	0
172	134995.750	70.701	1.6139	0.8800	2.204	2.12	2.65	266.3459	10.00	0
173	127996.000	70.701	1.5889	0.8800	2.204	2.12	2.65	296.8618	10.00	0
174	123996.000	70.601	1.5563	0.8900	2.204	2.12	2.65	307.4319	10.00	0
175	122996.125	70.601	1.5362	0.8700	2.204	2.12	2.65	220.6440	10.00	0
176	118996.250	70.500	1.5133	0.8800	2.204	2.12	2.65	240.4840	10.00	0
177	113996.500	70.500	1.4844	0.8300	2.204	2.12	2.65	185.7260	10.00	0
178	111996.625	70.500	1.4643	0.8300	2.204	2.12	2.65	136.2430	10.00	0
179	108996.625	70.400	1.4414	0.8300	2.204	2.12	2.65	189.0790	10.00	0
180	105996.750	70.400	1.4063	0.8400	2.204	2.12	2.65	177.8260	10.00	0
181	103996.750	70.400	1.3762	0.7900	2.204	2.12	2.65	160.0920	10.00	0
182	98997.000	70.400	1.3262	0.7700	2.204	2.12	2.65	202.6670	10.00	0
183	86997.375	70.299	1.2338	0.7300	2.204	2.12	2.65	161.0300	10.00	0
184	83997.375	70.198	1.2055	0.7400	2.204	2.12	2.65	155.0480	10.00	0
185	83997.375	70.198	1.1954	0.7400	2.204	2.12	2.65	128.8570	10.00	0
186	80997.500	70.101	1.1771	0.7300	2.204	2.12	2.65	131.0220	10.00	0
187	78997.500	70.101	1.1521	0.7300	2.204	2.12	2.65	72.6280	10.00	0
188	74997.688	70.500	1.1110	0.7200	2.204	2.12	2.65	50.4530	10.00	0
189	59998.184	69.900	0.9534	0.7800	2.204	2.12	2.65	75.0930	10.00	0
190	73997.750	70.000	1.0921	0.8400	2.204	2.12	2.65	201.4480	10.00	0
191	95997.000	70.400	1.3048	0.8800	2.204	2.12	2.65	149.9670	10.00	0
192	101996.875	70.400	1.4048	0.8600	2.204	2.12	2.65	164.6120	10.00	0
193	106996.750	70.500	1.4131	0.8500	2.204	2.12	2.65	147.5440	10.00	0
194	157995.000	71.000	2.0973	0.7800	2.204	2.12	2.65	152.0510	10.00	0
195	173994.625	71.000	2.2074	0.7700	2.204	2.12	2.65	225.1580	10.00	0
196	180994.375	71.201	2.2610	0.7800	2.204	2.12	2.65	148.0930	10.00	0
197	169994.750	71.000	2.2074	0.7400	2.204	2.12	2.65	197.5340	10.00	0
198	151995.250	71.101	2.1409	0.7400	2.204	2.12	2.65	192.6730	10.00	0
199	151995.250	71.101	2.1409	0.7300	2.204	2.12	2.65	152.9580	10.00	0
200	150995.250	71.101	2.1309	0.7400	2.204	2.12	2.65	147.4440	10.00	0
201	140995.625	70.899	2.0169	0.7600	2.204	2.12	2.65	208.9530	10.00	0
202	133495.750	70.799	1.7258	0.7600	2.204	2.12	2.65	205.1350	10.00	0
203	128496.000	70.799	1.6758	0.7600	2.204	2.12	2.65	242.2910	10.00	0
204	123996.000	70.799	1.6206	0.7500	2.204	2.12	2.65	190.7610	10.00	0
205	121996.125	70.701	1.6081	0.7000	2.204	2.12	2.65	169.3640	10.00	0
206	116496.375	70.701	1.5581	0.6800	2.204	2.12	2.65	177.5100	10.00	0
207	113496.500	70.601	1.5304	0.6800	2.204	2.12	2.65	233.6340	10.00	0
208	106996.750	70.601	1.5024	0.7000	2.204	2.12	2.65	197.8760	10.00	0
209	101996.875	70.500	1.4594	0.7200	2.204	2.12	2.65	113.0200	10.00	0
210	101996.875	70.500	1.4545	0.7100	2.204	2.12	2.65	133.2080	10.00	0
211	96497.000	70.500	1.3896	0.7600	2.204	2.12	2.65	197.5210	10.00	0
212	43998.660	69.699	0.7535	0.7200	2.204	2.12	2.65	75.6000	10.00	0
213	40998.750	69.699	0.7184	0.7300	2.204	2.12	2.65	62.2440	10.00	0
214	45498.613	69.699	0.7733	0.7500	2.204	2.12	2.65	95.5430	10.00	0
215	39998.793	69.699	0.7032	0.7300	2.204	2.12	2.65	47.9600	10.00	0
216	37498.852	69.699	0.6739	0.6700	2.204	2.12	2.65	38.9550	10.00	0
217	32999.000	69.699	0.6340	0.6600	2.204	2.12	2.65	36.8000	10.00	0
218	29999.086	69.650	0.5645	0.6600	2.204	2.12	2.65	40.4800	10.00	0
219	28999.113	69.650	0.5496	0.7100	2.204	2.12	2.65	33.9860	10.00	0

RED - RED RIVER DATA OF TOFFALETI, F.B. (1968)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1537558.000	182.880	7.3762	0.0752	0.204	2.16	2.65	499.7510	8.89	0
2	1339346.000	178.308	7.2542	0.0707	0.217	2.21	2.65	416.8728	17.78	0
3	1296872.000	177.698	7.0561	0.0729	0.171	1.54	2.65	293.1719	15.56	0
4	1115650.000	175.260	6.4008	0.0770	0.215	2.19	2.65	286.1919	7.78	0
5	1019375.750	173.126	7.0714	0.0661	0.154	2.82	2.65	170.3140	13.89	0
6	925933.000	170.383	5.7912	0.0797	0.122	1.65	2.65	238.7730	24.44	0
7	863637.750	170.383	5.8217	0.0752	0.124	2.25	2.65	154.6920	29.44	0
8	736215.750	165.506	5.1511	0.0761	0.157	1.67	2.65	344.6699	6.67	0
9	702236.625	169.164	6.1570	0.0716	0.195	2.15	2.65	67.7530	25.00	0
10	594635.875	168.554	5.2730	0.0761	0.167	2.08	2.65	128.9390	27.78	0
11	535172.250	166.116	4.1148	0.0761	0.131	1.66	2.65	239.1350	20.00	0
12	461550.625	164.897	4.3891	0.0770	0.108	1.69	2.65	152.8050	28.33	0
13	421908.250	159.410	3.7490	0.0772	0.171	1.54	2.65	127.4570	2.78	0
14	407750.250	162.154	4.1758	0.0752	0.161	1.31	2.65	83.1990	30.56	0
15	396423.875	162.763	4.3891	0.0756	0.102	1.63	2.65	80.4100	33.89	0
16	362444.625	156.972	3.7490	0.0770	0.108	1.60	2.65	130.4020	20.56	0
17	334128.625	155.753	3.7795	0.0770	0.172	1.42	2.65	79.8420	18.89	0
18	331297.125	160.325	4.4196	0.0824	0.155	2.00	2.65	20.9240	31.11	0
19	278063.000	140.513	3.7186	0.0770	0.112	1.63	2.65	76.8660	23.33	0
20	274948.250	160.020	3.7186	0.0797	0.176	2.03	2.65	42.9750	32.22	0
21	263055.500	150.571	3.6576	0.0806	0.094	1.46	2.65	32.5400	32.22	0
22	255693.375	149.352	3.6576	0.0779	0.104	1.63	2.65	50.7290	35.00	0
23	253994.375	146.304	3.1699	0.0761	0.178	1.52	2.65	46.5200	5.56	0
24	242951.125	146.304	3.5509	0.0770	0.112	1.64	2.65	42.5820	27.78	0
25	229359.500	145.085	3.2614	0.0770	0.157	1.83	2.65	42.1290	14.44	0
26	223696.250	130.454	3.3833	0.0725	0.186	1.56	2.65	29.8140	7.78	0
27	206706.750	138.989	3.5052	0.0761	0.106	1.59	2.65	36.0760	12.22	0
28	206706.750	159.410	3.5052	0.0770	0.103	1.59	2.65	7.8760	17.22	0
29	199627.750	139.903	3.5052	0.0734	0.095	1.50	2.65	26.0430	29.44	0
30	190283.375	155.753	2.9992	0.0743	0.148	1.62	2.65	26.4940	29.44	0

RGC - RIO GRANDE CONVEYANCE CHANNEL; CULBERTSON, SCOTT AND BENNETT (1976)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CCNC. PPM	TEMP. DEG. C	BF
1	15857.434	21.336	0.9231	0.5300	0.240	1.38	2.65	1432.0000	6.00	3
2	25768.328	21.641	1.2879	0.6500	0.230	1.44	2.65	910.0000	15.00	3
3	25201.992	21.641	1.2879	0.6500	0.220	1.39	2.65	918.0000	15.00	3
4	33697.047	21.641	1.1462	0.7300	0.220	1.36	2.65	1360.0000	17.00	4
5	35396.059	20.726	1.1251	0.6600	0.180	1.40	2.65	2695.0000	5.00	5
6	36245.563	22.250	1.2067	0.8000	0.240	1.51	2.65	2304.0000	18.00	4
7	24352.484	20.422	1.3011	0.6300	0.270	1.50	2.65	674.0000	20.00	3
8	39077.242	22.860	1.5118	0.6900	0.280	1.49	2.65	1440.0000	19.00	3
9	16423.770	20.726	0.9234	0.5500	-1.000	-1.00	2.65	-1.0000	11.00	3
10	17556.441	20.726	0.7261	0.5000	-1.000	-1.00	2.65	-1.0000	8.00	5
11	15149.512	20.726	0.6096	0.5500	0.180	1.26	2.65	-1.0000	7.00	5
12	16706.938	20.726	0.7710	0.5000	-1.000	-1.00	2.65	-1.0000	4.00	5
13	9910.895	20.422	0.4913	0.4500	0.160	1.24	2.65	-1.0000	7.00	5
14	5097.031	20.117	0.4849	0.5500	-1.000	-1.00	2.65	-1.0000	16.00	3
15	20246.543	20.726	0.8113	0.5500	0.180	1.35	2.65	-1.0000	12.00	5
16	20954.469	20.726	1.2551	0.6500	-1.000	-1.00	2.65	-1.0000	14.00	3
17	22511.895	21.946	1.1642	0.5000	0.220	1.34	2.65	-1.0000	22.00	4
18	30865.359	21.641	1.1849	0.6000	0.230	1.30	2.65	-1.0000	18.00	4
19	19397.039	21.031	1.1220	0.6500	0.240	1.40	2.65	-1.0000	17.00	4
20	28316.848	21.336	1.3368	0.5500	0.240	1.48	2.65	-1.0000	21.00	3
21	30015.855	21.336	0.9928	0.6000	0.220	1.29	2.65	-1.0000	27.00	5
22	3596.240	16.764	0.4212	0.5000	0.240	1.60	2.65	-1.0000	29.00	5
23	4530.691	20.117	0.4027	0.5000	0.250	1.48	2.65	-1.0000	20.00	3
24	14158.422	20.422	0.7688	0.5500	0.190	1.40	2.65	-1.0000	11.00	3
25	42192.102	21.031	1.1883	0.6000	0.230	1.36	2.65	-1.0000	13.00	5
26	35396.059	20.726	1.1251	0.5500	-1.000	-1.00	2.65	-1.0000	-1.00	5
27	28316.848	20.422	1.0054	0.5500	0.200	1.53	2.65	-1.0000	1.00	5
28	23219.813	20.422	0.8780	0.5500	0.200	1.52	2.65	-1.0000	4.00	5
29	16990.105	20.117	0.7574	0.5500	0.220	1.52	2.65	-1.0000	11.00	5
30	38227.742	20.726	1.2237	0.5500	0.180	1.41	2.65	-1.0000	17.00	5
31	29732.688	21.031	0.9895	0.4800	0.170	1.36	2.65	-1.0000	18.00	5
32	7079.211	20.117	0.3925	0.5500	0.170	1.27	2.65	-1.0000	27.00	5
33	25060.410	20.726	1.3492	0.6000	0.250	1.53	2.65	-1.0000	20.00	3

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 1 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	207273.000	40.234	2.4719	2.3000	0.314	1.59	2.65	5310.0000	15.00	0
2	264471.375	39.624	3.1181	2.4600	0.429	1.58	2.65	3920.0000	14.44	0
3	268718.750	44.196	2.8590	2.4000	0.527	2.12	2.65	1500.0000	16.67	0
4	285991.500	42.672	3.1120	2.3500	0.374	2.68	2.65	2700.0000	16.11	0
5	243234.375	41.148	2.7310	2.4000	1.909	6.73	2.65	1710.0000	16.67	0
6	147526.250	39.319	1.9111	2.2000	0.565	2.80	2.65	5190.0000	15.56	0
7	141579.875	38.100	2.1915	2.3100	0.474	4.11	2.65	1690.0000	16.67	0
8	63427.820	34.442	1.4295	1.6300	0.421	3.15	2.65	2690.0000	19.44	0
9	31997.066	71.323	0.4389	1.3100	10.954	-1.00	2.65	1100.0000	22.22	0
10	35961.309	36.576	1.0577	-1.0000	0.332	1.98	2.65	2910.0000	22.78	0
11	78718.438	36.881	1.6154	1.4400	1.407	4.05	2.65	1300.0000	11.11	0
12	113263.875	39.014	2.3256	1.3300	0.932	2.65	2.65	1540.0000	13.89	0
13	77868.875	35.052	1.4478	1.5900	0.384	1.86	2.65	1620.0000	13.33	0
14	25710.922	29.566	1.0119	0.7200	0.569	2.70	2.65	551.0000	24.44	0
15	30864.434	29.870	1.1003	0.8100	0.655	1.95	2.65	2000.0000	23.33	0
16	169895.875	39.624	2.3927	1.9600	1.190	7.21	2.65	3060.0000	15.00	0
17	41341.352	34.138	1.0272	0.9800	0.380	1.83	2.65	2620.0000	15.00	0
18	19368.137	33.223	0.7650	0.9200	0.531	1.90	2.65	445.0000	25.56	0
19	11779.449	63.398	0.3566	1.2900	0.472	1.76	2.65	178.0000	12.22	0
20	8749.641	53.950	0.3078	1.2900	0.629	2.40	2.65	43.0000	10.56	0
21	15318.945	87.782	0.2987	1.2900	3.096	6.27	2.65	135.0000	14.44	0
22	20076.035	91.440	0.3719	1.2900	1.466	7.20	2.65	273.0000	14.44	0
23	33129.711	91.440	0.5273	1.2900	0.610	2.08	2.65	1030.0000	17.22	0
24	45022.430	86.563	0.5761	1.2900	0.339	2.84	2.65	1400.0000	19.44	0
25	24946.391	91.440	0.4084	1.2900	0.331	1.94	2.65	469.0000	19.44	0
26	18886.766	62.179	0.5273	1.2900	0.363	5.23	2.65	314.0000	18.33	0
27	22199.734	89.916	0.3780	1.2900	0.261	1.61	2.65	499.0000	25.00	0
28	7475.422	52.426	0.3109	1.2900	0.321	1.58	2.65	472.0000	22.78	0
29	7135.629	53.340	0.2926	1.2900	0.291	1.70	2.65	149.0000	21.11	0
30	14157.992	54.254	0.4572	1.2900	0.335	1.60	2.65	639.0000	21.11	0
31	1919.824	23.470	0.2774	1.2900	0.314	2.24	2.65	129.0000	21.67	0
32	4077.503	26.822	0.3597	1.2900	0.332	1.44	2.65	92.0000	22.22	0
33	8324.895	30.480	0.4877	1.2900	0.349	1.76	2.65	276.0000	14.44	0
34	9825.645	35.052	0.4542	1.2900	0.378	1.38	2.65	877.0000	9.44	0
35	9259.324	35.052	0.4359	1.2900	0.415	1.44	2.65	1290.0000	3.33	0
36	13138.617	37.795	0.5029	1.2900	0.411	1.37	2.65	1850.0000	2.22	0
37	13138.617	38.405	0.5212	1.2900	0.404	1.38	2.65	1800.0000	2.78	0
38	13251.883	39.014	0.5212	1.2900	0.389	1.32	2.65	1200.0000	2.22	0
39	14242.938	39.624	0.5425	1.2900	0.406	1.38	2.65	1390.0000	4.44	0
40	14639.363	37.795	0.5578	1.2900	0.474	1.76	2.65	598.0000	3.33	0
41	14979.156	40.538	0.5304	1.2900	0.499	1.72	2.65	1330.0000	9.44	0
42	11722.816	36.576	0.4846	1.2900	0.643	1.88	2.65	543.0000	9.44	0
43	4360.656	28.956	0.3292	1.2900	0.609	1.91	2.65	39.0000	11.67	0
44	7701.945	34.747	0.3962	1.2900	0.525	1.73	2.65	374.0000	14.44	0
45	29448.633	85.344	0.4633	1.2900	0.698	2.32	2.65	2220.0000	15.56	0
46	14554.418	49.987	0.5304	1.2900	0.310	1.67	2.65	222.0000	23.89	0
47	7418.785	27.432	0.5364	1.2900	0.282	1.64	2.65	46.0000	22.22	0
48	11892.715	30.480	0.5913	1.2900	0.211	1.42	2.65	244.0000	23.89	0
49	4558.875	26.213	0.4328	1.2900	0.409	1.94	2.65	24.0000	27.22	0
50	25003.020	82.601	0.3719	1.2900	0.408	3.88	2.65	1410.0000	24.44	0
51	32563.391	85.039	0.4450	1.2900	0.360	1.72	2.65	2600.0000	21.67	0
52	6569.309	27.127	0.4481	1.2900	0.478	2.36	2.65	234.0000	23.33	0
53	5804.773	27.432	0.4206	1.2900	0.368	2.14	2.65	585.0000	21.11	0
54	4842.027	25.603	0.3658	1.2900	0.243	2.24	2.65	248.0000	17.22	0
55	4898.660	28.042	0.3597	1.2900	0.247	1.65	2.65	344.0000	11.11	0

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 2 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
56	9967.227	41.148	0.3901	1.2900	0.416	2.08	2.65	1700.0000	5.56	0
57	10901.652	31.699	0.4084	1.2900	0.330	1.55	2.65	1360.0000	4.44	0
58	13704.938	34.747	0.3840	1.2900	0.356	1.44	2.65	2000.0000	2.22	0
59	15800.320	38.100	0.4328	1.2900	0.380	1.53	2.65	1740.0000	3.89	0
60	15715.375	39.624	0.4938	1.2900	0.391	1.52	2.65	1560.0000	5.00	0
61	16508.223	42.672	0.4755	1.2900	0.419	2.22	2.65	1850.0000	2.78	0
62	13535.043	39.624	0.5060	1.2900	0.375	1.72	2.65	3350.0000	5.56	0
63	26560.398	78.943	0.4846	1.2900	0.486	1.84	2.65	5990.0000	6.11	0
64	27296.613	91.440	0.4389	1.2900	0.462	1.97	2.65	4470.0000	8.33	0
65	26022.395	73.457	0.4420	1.2900	0.325	1.92	2.65	5000.0000	11.11	0
66	35394.988	85.649	0.4968	1.2900	0.256	4.24	2.65	1930.0000	15.00	0
67	15743.688	78.029	0.2865	1.2900	0.272	1.67	2.65	1640.0000	15.00	0
68	26701.977	71.018	0.3993	1.2900	0.396	2.67	2.65	1730.0000	18.89	0
69	20132.672	80.467	0.3749	1.2900	0.333	3.57	2.65	1210.0000	22.78	0
70	1829.213	16.002	0.4267	1.2900	0.258	2.00	2.65	19.0000	25.00	0
71	982.565	18.593	0.2743	1.2900	0.352	1.61	2.65	2.0000	26.67	0
72	98256.500	86.258	0.7772	1.2900	0.249	1.65	2.65	2920.0000	12.22	0
73	94858.563	87.478	0.7650	1.2900	0.361	1.51	2.65	3630.0000	16.67	0
74	156304.250	90.526	1.0089	1.2900	0.393	1.86	2.65	5210.0000	16.67	0
75	135916.750	88.697	0.9540	1.2900	0.361	1.44	2.65	4740.0000	19.44	0
76	225395.250	93.878	1.1979	1.2900	0.400	7.16	2.65	4220.0000	12.78	0
77	252012.250	99.974	1.2466	1.2000	0.442	5.89	2.65	4160.0000	14.44	0
78	252578.625	96.317	1.3228	1.2000	0.623	-1.00	2.65	2680.0000	14.44	0
79	277779.875	102.108	1.3381	1.2700	0.313	19.55	2.65	2480.0000	16.11	0
80	245782.750	89.916	1.4783	1.2700	0.608	12.29	2.65	3140.0000	17.22	0
81	141296.750	90.526	1.1095	1.2300	0.603	3.37	2.65	10700.0000	16.67	0
82	143278.875	90.830	1.2283	1.1300	0.645	3.20	2.65	11400.0000	17.22	0
83	57764.625	86.868	0.6828	1.1800	0.473	2.06	2.65	7230.0000	21.11	0
84	28315.988	80.162	0.5212	1.1800	0.705	4.05	2.65	556.0000	23.89	0
85	59180.426	86.868	0.6645	1.3400	0.337	2.01	2.65	1630.0000	11.11	0
86	104202.750	87.782	0.8595	1.3700	0.444	2.46	2.65	1820.0000	13.89	0
87	74187.875	85.649	0.7285	1.3700	0.424	4.64	2.65	3300.0000	15.00	0
88	19084.977	85.344	0.3322	1.2800	1.056	10.82	2.65	304.0000	24.44	0
89	12940.402	46.634	0.4206	1.5000	0.395	1.68	2.65	367.0000	13.33	0
90	11722.816	46.634	0.4115	1.5000	0.575	9.80	2.65	320.0000	11.67	0
91	15913.586	46.634	0.4633	1.5000	0.395	2.11	2.65	529.0000	16.67	0
92	21576.781	64.618	0.4938	1.5000	0.402	1.46	2.65	667.0000	17.78	0
93	33129.711	68.580	0.6157	1.5000	0.516	2.11	2.65	879.0000	17.78	0
94	48420.348	84.125	0.6309	1.5000	0.500	1.80	2.65	2090.0000	23.33	0
95	26022.395	81.077	0.4755	1.5000	0.363	1.71	2.65	596.0000	21.67	0
96	21378.570	67.970	0.4602	1.5000	0.397	1.72	2.65	553.0000	20.00	0
97	22284.684	79.858	0.4176	1.5000	0.344	1.60	2.65	1120.0000	27.22	0
98	9344.273	44.196	0.3505	1.5000	0.460	1.91	2.65	405.0000	24.44	0
99	10222.066	60.350	0.2530	1.5000	0.174	2.17	2.65	1550.0000	22.78	0
100	15941.898	53.645	0.4359	1.5000	0.453	1.90	2.65	1080.0000	22.78	0
101	4785.398	27.432	0.3261	1.5000	0.397	1.52	2.65	256.0000	20.56	0
102	8324.895	45.720	0.3292	1.5000	0.438	1.93	2.65	496.0000	23.33	0
103	8636.375	45.720	0.3170	1.5000	0.469	2.25	2.65	681.0000	15.56	0
104	7135.629	50.597	0.2835	1.5000	0.247	2.65	2.65	748.0000	11.11	0
105	10193.758	52.426	0.3505	1.5000	0.343	1.76	2.65	1260.0000	6.67	0
106	10448.602	52.426	0.3231	1.5000	0.398	1.64	2.65	1190.0000	5.00	0
107	10137.125	52.426	0.3261	1.5000	0.294	1.98	2.65	1280.0000	1.11	0
108	10929.973	22.860	0.5608	1.5000	0.365	1.62	2.65	1260.0000	0.0	0
109	13733.254	53.035	0.3871	1.5000	0.397	2.84	2.65	1120.0000	2.22	0
110	14582.730	51.511	0.4084	1.5000	0.399	1.48	2.65	1360.0000	8.33	0

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 3 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
111	16451.590	54.254	0.4267	1.5000	0.377	1.39	2.65	1420.0000	8.89	0
112	13591.676	54.254	0.3780	1.5000	0.305	2.07	2.65	722.0000	5.56	0
113	12628.930	53.645	0.4633	1.5000	0.542	2.41	2.65	311.0000	15.00	0
114	33412.867	43.586	0.8473	1.5000	0.405	2.02	2.65	1530.0000	13.89	0
115	44739.270	44.501	0.8931	1.5000	0.291	1.67	2.65	3290.0000	21.11	0
116	8749.641	46.025	0.3536	1.5000	0.420	1.64	2.65	213.0000	24.44	0
117	12827.145	53.035	0.4176	1.5000	0.445	2.04	2.65	1450.0000	21.67	0
118	10363.648	47.244	0.2957	1.5000	0.414	1.67	2.65	3410.0000	21.67	0
119	24408.387	39.014	0.6553	1.5000	0.452	2.99	2.65	3350.0000	28.89	0
120	32280.227	46.330	0.6187	1.5000	0.374	2.21	2.65	4580.0000	23.33	0
121	7475.422	44.501	0.3414	1.5000	0.375	1.65	2.65	1180.0000	21.11	0
122	5833.094	35.357	0.2957	1.5000	0.544	1.67	2.65	924.0000	22.78	0
123	6654.258	39.624	0.3200	1.5000	0.525	1.75	2.65	719.0000	17.78	0
124	7730.266	37.795	0.3566	1.5000	0.372	1.80	2.65	1700.0000	6.67	0
125	10533.547	38.405	0.4054	1.5000	0.318	1.68	2.65	1380.0000	11.11	0
126	12062.609	33.833	0.4328	1.5000	0.312	1.73	2.65	1680.0000	6.67	0
127	14073.047	33.833	0.5060	1.5000	0.439	1.70	2.65	1730.0000	4.44	0
128	17414.336	35.052	0.5395	1.5000	0.354	1.82	2.65	1780.0000	4.44	0
129	16168.430	47.854	0.3993	1.5000	0.294	1.70	2.65	1670.0000	6.11	0
130	14809.262	45.720	0.3810	1.5000	0.201	1.95	2.65	1660.0000	6.11	0
131	17131.176	64.922	0.2896	1.5000	0.215	1.66	2.65	2260.0000	4.44	0
132	13535.043	35.966	0.4785	1.5000	0.336	1.76	2.65	1300.0000	8.33	0
133	24436.695	78.638	0.3901	1.5000	0.495	17.05	2.65	2110.0000	8.33	0
134	14384.520	32.004	0.5974	1.5000	0.237	1.61	2.65	981.0000	10.56	0
135	25257.859	65.532	0.4450	1.5000	0.379	2.02	2.65	1230.0000	10.56	0
136	26305.559	65.227	0.4572	1.5000	0.332	1.61	2.65	1750.0000	10.00	0
137	35394.988	80.162	0.4481	1.5000	0.303	6.54	2.65	2000.0000	14.44	0
138	16961.273	45.720	0.5395	1.5000	0.390	2.29	2.65	2430.0000	18.89	0
139	25144.602	61.570	0.5212	1.5000	0.401	1.74	2.65	1320.0000	21.11	0
140	18886.766	60.046	0.4420	1.5000	0.298	1.69	2.65	876.0000	24.44	0
141	2944.863	43.282	0.2621	1.5000	0.343	1.70	2.65	5.0000	26.67	0
142	7248.895	32.918	0.3719	1.5000	0.578	1.72	2.65	671.0000	26.67	0
143	101371.250	42.672	1.5027	1.5000	0.380	8.04	2.65	2710.0000	13.89	0
144	85231.125	43.891	1.2131	1.5000	0.291	1.73	2.65	2410.0000	16.11	0
145	146110.500	45.720	1.6977	1.5000	0.371	6.16	2.65	2620.0000	17.78	0
146	134784.125	45.415	1.6337	1.5000	0.712	2.58	2.65	3030.0000	22.78	0
147	232191.125	62.484	1.6947	1.7600	5.167	11.03	2.65	3700.0000	15.00	0
148	258808.125	64.008	1.7861	1.8000	0.480	-1.00	2.65	2020.0000	18.33	0
149	275231.375	63.703	1.8806	1.9300	1.077	11.85	2.65	2460.0000	19.44	0
150	243234.375	60.960	1.8288	1.6800	0.569	4.50	2.65	2310.0000	19.44	0
151	144977.875	57.302	1.3686	1.5100	0.513	1.98	2.65	7880.0000	18.89	0
152	141863.125	56.998	1.3625	1.5100	1.000	10.44	2.65	4170.0000	18.89	0
153	62295.184	55.474	0.8321	0.9100	0.433	2.40	2.65	1620.0000	23.89	0
154	28882.309	55.169	0.6614	1.0000	0.536	21.67	2.65	1230.0000	26.67	0
155	62295.184	53.950	0.8230	1.1500	0.232	1.59	2.65	1540.0000	13.89	0
156	101371.250	49.682	1.2192	1.2600	0.293	1.85	2.65	2740.0000	16.67	0
157	71073.125	51.206	0.9449	1.0800	0.238	1.88	2.65	1450.0000	16.67	0
158	19254.875	49.378	0.5364	1.9700	0.454	2.01	2.65	729.0000	24.44	0
159	77302.625	82.906	0.7498	0.8900	0.233	1.71	2.65	3130.0000	14.44	0
160	183770.750	82.906	1.1064	0.8400	0.408	1.62	2.65	4330.0000	16.67	0
161	173860.125	82.906	1.1552	0.8300	0.300	1.61	2.65	2150.0000	21.11	0
162	136766.250	82.906	1.0638	0.7900	0.345	1.59	2.65	2340.0000	22.22	0
163	78152.125	81.991	0.8412	0.7600	0.323	1.63	2.65	1520.0000	21.11	0
164	58330.941	82.296	0.8199	0.8000	0.270	1.72	2.65	1260.0000	23.89	0
165	43606.629	82.296	0.6553	0.8600	0.340	1.61	2.65	1470.0000	13.89	0

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 4 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
166	15602.105	80.772	0.3810	0.8600	0.293	1.78	2.65	544.0000	17.22	0
167	72772.063	82.296	0.8108	0.9300	0.348	1.58	2.65	1710.0000	18.33	0
168	60879.387	82.296	0.7803	0.8600	0.342	1.61	2.65	1460.0000	21.67	0
169	59180.426	82.296	0.7559	0.8300	0.336	1.93	2.65	1290.0000	18.67	0
170	37943.430	81.686	0.6523	0.8600	0.330	1.61	2.65	1200.0000	20.56	0
171	21491.836	72.238	0.4389	0.8600	0.372	1.82	2.65	2570.0000	8.33	0
172	17272.754	79.858	0.3597	0.8600	0.276	1.78	2.65	1100.0000	10.56	0
173	17640.859	81.077	0.3749	0.8600	0.368	1.62	2.65	1310.0000	16.67	0
174	20982.145	85.344	0.3932	0.8600	0.325	1.63	2.65	1230.0000	18.33	0
175	18490.344	77.724	0.4023	0.8600	0.329	1.65	2.65	3210.0000	17.78	0
176	26050.711	83.515	0.4328	0.8600	0.314	1.58	2.65	2880.0000	16.11	0
177	28315.988	81.077	0.4572	0.8600	0.246	1.94	2.65	1810.0000	20.56	0
178	27919.566	80.162	0.3932	0.8600	0.279	1.70	2.65	1310.0000	18.89	0
179	11184.813	74.371	0.3414	0.8600	0.215	1.81	2.65	1310.0000	16.11	0
180	5634.883	24.079	0.4511	0.8600	0.361	1.52	2.65	261.0000	23.89	0
181	2786.293	27.127	0.2408	0.8600	0.337	1.62	2.65	262.0000	21.67	0
182	15970.219	79.858	0.3261	0.8600	0.197	1.44	2.65	1520.0000	21.67	0
183	16225.063	52.121	0.5182	0.8600	0.364	1.47	2.65	7240.0000	18.89	0
184	14044.727	79.248	0.3139	0.8600	0.222	1.93	2.65	985.0000	23.89	0
185	13959.781	65.227	0.3993	0.8600	0.302	1.69	2.65	759.0000	22.22	0
186	17329.387	89.611	0.3353	0.8600	0.344	1.56	2.65	2370.0000	25.56	0
187	13563.355	48.768	0.5182	0.8600	0.318	2.99	2.65	562.0000	22.78	0
188	5266.770	14.021	0.5913	0.8600	0.277	1.70	2.65	3460.0000	26.67	0
189	7645.313	54.864	0.2835	0.8600	0.228	2.11	2.65	741.0000	27.22	0
190	498.361	8.839	0.1585	0.8600	0.300	1.79	2.65	200.0000	26.11	0
191	2299.259	32.918	0.1768	0.8600	0.296	1.62	2.65	183.0000	24.44	0
192	44739.270	83.820	0.4694	0.8600	0.348	1.72	2.65	4160.0000	15.00	0
193	117511.375	82.601	0.9327	0.8600	0.286	1.73	2.65	5330.0000	14.44	0
194	87213.250	82.906	0.6675	0.8600	0.301	1.69	2.65	5050.0000	15.56	0
195	80700.563	82.601	0.7437	0.8600	0.265	1.67	2.65	2810.0000	17.78	0
196	146110.500	82.601	0.9906	0.8600	0.278	1.64	2.65	4140.0000	18.33	0
197	129404.000	82.601	0.9235	0.8600	0.254	1.60	2.65	2460.0000	22.78	0
198	194247.625	82.296	1.1217	0.8000	0.329	1.81	2.65	3930.0000	14.44	0
199	235589.000	82.601	1.3594	0.8000	0.303	1.76	2.65	4500.0000	15.56	0
200	245782.750	82.296	1.2527	0.7900	0.394	1.44	2.65	5080.0000	19.44	0
201	285991.500	83.210	1.4630	0.8000	0.301	1.64	2.65	2940.0000	23.33	0
202	231058.500	82.906	1.3228	0.8300	0.311	1.57	2.65	2800.0000	19.44	0
203	164232.750	82.296	1.0455	0.7400	0.362	1.51	2.65	3950.0000	18.33	0
204	122891.375	81.077	0.8138	0.7600	0.372	1.64	2.65	3610.0000	17.22	0
205	113263.875	81.382	0.9022	0.7600	0.274	1.89	2.65	4390.0000	19.44	0
206	171028.500	83.210	1.0363	0.8000	0.379	1.43	2.65	5760.0000	22.78	0
207	17046.227	39.014	0.5608	0.8600	0.332	1.89	2.65	1270.0000	6.67	0
208	59463.586	81.991	0.7803	0.8300	0.328	1.66	2.65	1480.0000	15.00	0
209	35111.828	40.538	1.0485	0.8300	0.310	1.63	2.65	1280.0000	18.33	0
210	57481.465	81.686	0.8931	0.8200	0.283	1.70	2.65	894.0000	23.33	0
211	63144.660	81.382	0.8047	0.8300	0.224	1.63	2.65	1640.0000	13.89	0
212	95141.688	82.296	0.9510	0.8300	0.230	1.60	2.65	2040.0000	18.89	0
213	63994.145	81.686	0.7102	0.8500	0.218	1.48	2.65	934.0000	17.22	0
214	151207.375	84.125	0.9815	0.8600	0.254	8.70	2.65	3160.0000	17.78	0
215	27947.883	67.970	0.4694	0.8000	0.369	1.64	2.65	2730.0000	21.67	0
216	12827.145	69.190	0.3048	0.7900	0.424	1.83	2.65	315.0000	26.11	0
217	7588.684	23.470	0.5334	1.1000	0.378	1.39	2.65	466.0000	6.67	0
218	2859.915	25.603	0.3688	1.1000	0.396	1.59	2.65	6.0000	9.44	0
219	18971.715	101.498	0.3353	1.1000	0.303	1.63	2.65	1060.0000	8.33	0
220	10929.973	103.022	0.2134	1.1000	0.235	1.82	2.65	729.0000	13.89	0

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 5 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
221	3624.447	29.261	0.3505	1.1000	0.277	1.66	2.65	63.0000	10.56	0
222	20415.824	110.338	0.3200	1.1000	0.328	1.62	2.65	851.0000	16.67	0
223	12147.559	41.453	0.4724	1.1000	0.311	1.57	2.65	539.0000	14.44	0
224	40208.711	101.194	0.4785	1.1000	0.233	1.62	2.65	1450.0000	18.33	0
225	17980.652	103.632	0.3353	1.1000	0.322	1.69	2.65	572.0000	17.22	0
226	40208.711	101.498	0.4968	1.1000	0.337	1.64	2.65	1060.0000	19.44	0
227	36810.785	106.680	0.5273	1.1000	0.348	1.68	2.65	1040.0000	19.44	0
228	10986.602	35.052	0.6309	1.1000	0.248	1.84	2.65	204.0000	19.44	0
229	9004.480	39.624	0.3932	1.1000	0.352	1.73	2.65	415.0000	19.44	0
230	12090.926	41.148	0.5090	1.1000	0.372	1.56	2.65	574.0000	19.44	0
231	1948.140	16.764	0.2316	1.1000	0.265	1.62	2.65	651.0000	16.11	0
232	14809.262	52.426	0.4633	1.1000	0.316	-1.00	2.65	700.0000	27.22	0
233	4870.348	29.261	0.4145	1.1000	0.282	1.77	2.65	149.0000	27.78	0
234	6682.570	31.394	0.4145	1.1000	0.381	1.60	2.65	94.0000	21.11	0
235	29448.633	74.981	0.4054	1.1000	0.242	1.80	2.65	2900.0000	23.89	0
236	10363.648	39.014	0.4420	1.1000	0.360	1.62	2.65	2640.0000	21.67	0
237	2035.920	9.601	0.4176	1.1000	0.328	1.55	2.65	274.0000	25.56	0
238	2293.595	17.678	0.2804	1.1000	0.397	1.51	2.65	252.0000	17.78	0
239	676.752	7.925	0.2164	1.1000	0.362	1.51	2.65	99.0000	13.89	0
240	6994.047	46.939	0.2621	1.1000	0.325	1.60	2.65	509.0000	8.89	0
241	9853.965	54.254	0.3475	1.1000	0.376	1.66	2.65	505.0000	5.56	0
242	12572.301	71.933	0.2987	1.1000	0.234	1.78	2.65	996.0000	2.78	0
243	6852.469	41.148	0.3200	1.1000	0.299	1.64	2.65	594.0000	1.11	0
244	15800.320	108.204	0.2591	1.1000	0.341	1.57	2.65	1730.0000	1.67	0
245	11184.813	47.244	0.4115	1.1000	0.337	1.52	2.65	406.0000	10.00	0
246	8296.586	48.463	0.3505	1.1000	0.266	1.66	2.65	268.0000	8.33	0
247	3737.711	26.518	0.3383	1.1000	0.365	1.40	2.65	53.0000	7.22	0
248	7956.793	29.870	0.4359	1.1000	0.357	1.38	2.65	637.0000	14.44	0
249	25541.020	121.920	0.3658	1.1000	0.296	1.61	2.65	831.0000	17.22	0
250	5804.773	29.261	0.4633	1.1000	0.364	1.64	2.65	816.0000	15.56	0
251	2086.889	23.774	0.2042	1.1000	0.294	1.65	2.65	140.0000	16.11	0
252	4049.187	33.528	0.3505	1.1000	0.211	-1.00	2.65	97.0000	22.22	0
253	7503.734	29.566	0.4633	1.1000	0.333	1.60	2.65	1070.0000	22.22	0
254	71356.250	99.670	0.6005	1.1000	0.300	1.74	2.65	5820.0000	24.44	0
255	39076.066	99.060	0.3749	1.1000	0.250	1.74	2.65	3080.0000	23.89	0
256	22397.945	99.670	0.4420	1.1000	0.427	1.74	2.65	2920.0000	22.78	0
257	1444.115	21.641	0.1798	1.1000	0.452	1.58	2.65	53.0000	19.44	0
258	2859.915	33.528	0.2012	1.1000	0.370	1.37	2.65	143.0000	20.00	0
259	11496.293	47.244	0.3962	1.1000	0.361	1.42	2.65	570.0000	9.44	0
260	12175.875	40.538	0.4846	1.1000	0.345	1.81	2.65	807.0000	5.56	0
261	17046.227	51.511	0.5639	1.1000	0.319	1.76	2.65	1210.0000	8.89	0
262	16479.902	45.415	0.5304	1.1000	0.327	1.59	2.65	1060.0000	8.89	0
263	17131.176	50.597	0.4237	1.1000	0.344	1.48	2.65	1650.0000	6.11	0
264	19141.605	56.693	0.4267	1.1000	0.403	1.58	2.65	2460.0000	7.22	0
265	16140.109	68.275	0.4023	1.1000	0.374	1.52	2.65	1420.0000	10.00	0
266	106184.875	101.194	0.8443	1.1000	0.281	1.73	2.65	6820.0000	21.11	0
267	114113.438	97.536	0.9205	1.1000	0.298	1.86	2.65	7550.0000	16.67	0
268	86080.500	97.536	0.7315	1.1000	0.189	1.76	2.65	3730.0000	18.33	0
269	155737.875	98.755	1.2314	1.1000	0.362	1.87	2.65	4990.0000	19.44	0
270	142995.750	99.060	1.4082	1.1000	0.327	1.59	2.65	8470.0000	23.89	0
271	2673.030	24.994	0.3200	0.6900	0.356	1.55	2.65	24.0000	12.78	0
272	6031.305	31.699	0.3871	0.6900	0.313	1.63	2.65	176.0000	17.78	0
273	11439.656	80.772	0.2804	0.6900	0.314	1.54	2.65	371.0000	25.00	0
274	5323.402	45.720	0.3444	0.6900	0.325	1.61	2.65	11.0000	21.67	0
275	4049.187	16.154	0.7071	0.6900	0.173	1.42	2.65	199.0000	20.00	0

RGR - RIO GRANDE RIVER DATA OF NORDIN, C.F. AND BEVERAGE, C.P. (1965)
(SHEET 6 OF 6)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
276	2106.710	13.716	0.3170	0.6900	0.297	1.62	2.65	128.0000	23.89	0
277	1356.336	20.117	0.2073	0.6900	0.231	1.61	2.65	63.0000	25.56	0
278	3058.127	21.946	0.2896	0.6900	0.259	1.68	2.65	1270.0000	26.11	0
279	1059.018	11.887	0.2347	0.6900	0.311	1.65	2.65	35.0000	23.33	0
280	2446.502	18.593	0.4115	0.6900	0.304	1.69	2.65	48.0000	17.22	0
281	4643.816	19.812	0.4450	0.6900	0.327	1.61	2.65	81.0000	11.67	0
282	15375.578	62.179	0.4663	0.6900	0.258	1.69	2.65	497.0000	3.33	0
283	8947.852	35.662	0.4115	0.6900	0.357	1.47	2.65	558.0000	4.44	0
284	12855.461	63.398	0.4328	0.6900	0.174	-1.00	2.65	549.0000	5.00	0
285	10816.703	49.073	0.4054	0.6900	0.351	1.46	2.65	557.0000	7.22	0
286	5210.141	26.213	0.3993	0.6900	0.284	1.63	2.65	229.0000	13.89	0
287	2916.547	29.870	0.2438	0.6900	0.328	1.61	2.65	87.0000	15.56	0
288	12997.035	82.906	0.3292	0.6900	0.251	1.87	2.65	407.0000	22.78	0
289	18433.711	63.094	0.3780	0.6900	0.318	1.57	2.65	1350.0000	24.44	0
290	33412.867	78.638	0.4755	0.6900	0.325	1.55	2.65	1500.0000	26.11	0
291	107317.500	118.872	0.7803	0.6900	0.289	1.66	2.65	4890.0000	16.11	0
292	83532.125	120.396	0.6523	0.6900	0.258	1.65	2.65	3350.0000	17.78	0
293	118927.125	120.396	0.7803	0.6900	0.224	1.60	2.65	2820.0000	23.89	0

RIO - RIO GRANDE NEAR BERNALILLO, NM, DATA OF TOFFALETTI, F.B. (1968)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD-ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	285991.500	83.210	1.4630	0.8000	0.315	1.70	2.65	2454.1309	23.33	0
2	245782.750	82.296	1.2527	0.7900	0.315	1.70	2.65	2824.6289	19.44	0
3	235589.000	82.601	1.3594	0.8000	0.315	1.70	2.65	2995.4419	15.56	0
4	231058.500	82.906	1.3228	0.8300	0.315	1.70	2.65	2347.7959	19.44	0
5	194247.625	82.296	1.1217	0.8000	0.315	1.70	2.65	3211.2129	14.44	0
6	171028.500	83.210	1.0363	0.8000	0.315	1.70	2.65	4544.3789	22.78	0
7	164232.750	82.296	1.0455	0.7400	0.315	1.70	2.65	3597.9219	18.33	0
8	122891.375	81.077	0.8138	0.7600	0.315	1.70	2.65	2984.4509	17.22	0
9	113263.875	81.382	0.9022	0.7600	0.315	1.70	2.65	3662.8298	19.44	0
10	183770.750	82.906	1.1064	0.8400	0.368	1.63	2.65	2521.5698	16.67	0
11	173860.125	82.906	1.1552	0.8300	0.300	1.63	2.65	2142.7568	21.11	0
12	136766.250	82.906	1.0638	0.7900	0.345	1.56	2.65	1851.9119	22.22	0
13	95141.688	82.296	0.9510	0.8300	0.219	1.66	2.65	1726.5439	18.89	0
14	78152.125	81.991	0.8412	0.7600	0.323	1.63	2.65	1114.1038	21.11	0
15	77302.625	82.906	0.7529	0.8900	0.225	1.75	2.65	2521.7119	14.44	0
16	59463.586	81.991	0.7803	0.8300	0.328	1.66	2.65	1001.4839	15.00	0
17	58330.941	82.296	0.8199	0.8000	0.270	1.78	2.65	924.5989	23.89	0
18	57481.465	81.686	0.8931	0.8200	0.283	1.75	2.65	598.4048	23.33	0
19	35111.828	40.538	1.0485	0.8300	0.310	1.65	2.65	783.7178	18.33	0
20	282310.375	194.158	0.8047	0.8000	0.315	1.70	2.65	3171.9800	20.00	0
21	246349.125	196.596	0.6675	0.7900	0.315	1.70	2.65	3776.9849	20.00	0
22	235305.875	164.897	0.7772	0.8000	0.315	1.70	2.65	3841.3179	17.22	0
23	220581.500	154.838	0.8291	0.8300	0.315	1.70	2.65	2774.0430	21.67	0
24	190566.625	169.774	0.6553	0.8000	0.315	1.70	2.65	4350.1758	16.11	0
25	168763.250	162.154	0.6370	0.8000	0.315	1.70	2.65	2825.4639	25.00	0
26	154322.125	158.496	0.6492	0.7400	0.315	1.70	2.65	2797.2090	20.56	0
27	133934.625	157.886	0.6949	0.7600	0.315	1.70	2.65	3630.7759	22.22	0
28	124024.000	151.790	0.5822	0.7600	0.315	1.70	2.65	2887.7510	18.89	0
29	180939.125	173.736	0.6309	0.8400	0.362	1.72	2.65	2875.6418	18.33	0
30	172727.500	149.047	0.6645	0.8300	0.329	1.61	2.65	2420.0999	23.33	0
31	133651.375	106.680	0.7468	0.7900	0.341	1.73	2.65	2121.7878	22.78	0
32	110149.125	194.462	0.5334	0.8300	0.207	1.63	2.65	1637.1968	18.33	0
33	82399.500	195.072	0.3597	0.8900	0.316	1.65	2.65	2923.3838	17.78	0
34	80700.563	112.776	0.7346	0.7600	0.333	1.57	2.65	724.9209	21.11	0
35	59463.586	192.634	0.3322	0.8300	0.328	1.66	2.65	1118.0588	16.67	0
36	57481.465	176.784	0.4816	0.8000	0.354	1.60	2.65	596.5779	26.67	0
37	57481.465	108.814	0.4389	0.8200	0.283	1.75	2.65	867.9158	22.78	0
38	35111.828	139.903	0.4023	0.8300	0.310	1.65	2.65	463.6499	18.33	0

SNK - SNAKE AND CLEARWATER RIVER DATA OF SEITZ, H.R. (1976)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	1832044.000	176.784	4.3586	0.8700	0.520	25.90	2.65	9.8840	8.00	0
2	3029811.000	192.024	5.4254	1.1200	24.000	40.67	2.65	21.1140	8.00	0
3	2888231.000	192.024	5.2730	1.0900	25.000	2.57	2.65	32.6870	9.00	0
4	2474817.000	188.976	4.8463	1.0100	30.000	2.40	2.65	27.3480	9.00	0
5	2534281.000	188.976	4.6025	1.0300	33.000	35.53	2.65	11.1420	9.00	0
6	2811778.000	188.976	5.2121	1.0800	0.540	8.46	2.65	11.7480	11.00	0
7	3511183.000	198.120	5.9131	1.2100	0.640	60.41	2.65	4.0160	12.00	0
8	3143075.000	193.548	5.5474	1.1400	0.610	17.45	2.65	12.8520	13.00	0
9	3114759.000	193.548	5.4864	1.1300	0.560	17.96	2.65	14.1320	13.00	0
10	2944863.000	192.024	5.3340	1.1000	0.880	63.72	2.65	10.7070	15.00	0
11	2859915.000	190.500	5.2730	1.0900	0.560	7.03	2.65	8.3200	15.00	0
12	971238.500	137.160	4.2062	0.2450	0.420	1.41	2.65	5.2760	6.00	0
13	1149629.000	138.684	4.4501	0.2800	0.470	1.46	2.65	9.8130	5.50	0
14	1353504.000	140.208	4.6939	0.3180	0.480	38.25	2.65	3.7510	8.50	0
15	1353504.000	140.208	4.6939	0.3180	0.480	1.48	2.65	3.8830	8.50	0
16	1543221.000	141.732	4.0234	0.3530	0.590	61.09	2.65	10.2060	6.50	0
17	2293595.000	145.390	5.6693	0.4900	0.760	46.14	2.65	24.6920	10.00	0
18	1812223.000	142.951	5.2121	0.4050	0.400	62.02	2.65	22.9870	10.00	0
19	1574369.000	142.037	4.9987	0.3600	0.590	100.10	2.65	20.6340	11.00	0
20	1619674.000	142.037	5.0597	0.3670	0.580	57.78	2.65	16.1840	11.00	0
21	1551716.000	141.732	4.9378	0.3540	0.950	37.31	2.65	16.7530	12.00	0

TRI - TRINITY RIVER DATA OF KNOTT, J.M. (1974)
(SHEET 1 OF 1)

ID NO.	DISCHARGE L/S	WIDTH M	DEPTH M	SLOPE S*1000	D50 MM	GRAD- ATION	SPEC. GRAV.	CONC. PPM	TEMP. DEG. C	BF
1	39642.391	30.175	0.8473	3.0000	3.400	3.32	2.65	243.1430	8.00	0
2	82682.625	31.699	1.1979	2.8000	4.200	4.32	2.65	674.8398	7.50	0
3	43889.785	52.426	0.6614	2.9000	11.800	11.11	2.65	36.2690	6.00	0
4	82116.375	53.950	1.1156	2.6000	4.700	6.69	2.65	250.3770	7.00	0

