JERICHO PROJECT

BASELINE SUMMARY REPORT

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EXECUTIVE SUMMARY

Baseline data collected from 1995 through 2000 are summarized in this report. Detailed reports from consultants to the project are appended as indicated.

There are 26 years of regional data available from Environment Canada (Atmospheric Environment Service – AES) stations at Lupin/Contwoyto Lake. These data are supplemented by site-specific data collected over a five-year time period by Tahera.

There were no small basin hydrological data available for the Jericho area prior to collection for the Jericho Diamond Project. Hydrological data have been collected from the Jericho area since 1995. Snow surveys have been conducted since 1996 to supplement stream flow data, in recognition of the importance of the snow melt component to annual discharges of small basins.

The mean annual runoff (MAR) for the project area was estimated using the closest five Water Survey of Canada (WSC) stations with greater than 10 years of record. Based on its location relative to the five WSC catchments, the Jericho River is estimated to have a MAR of 190 mm per year. This corresponds to a long-term average annual flow at the outlet of Carat Lake of about 0.9 m^3/s.

The Jericho Diamond Project lies within the region of continuous permafrost. Permafrost is present everywhere, except beneath large lakes and rivers that do not freeze to the bottom. Permafrost is estimated to extend to depths of approximately 540 m at the Jericho pipe.

A water quality monitoring program was started at the Jericho site in 1995; water has been collected every year since that time until 2000. Data from this program was used to establish baseline water quality prior to mine development. Water in the region has very low metals levels (most below one part per billion), neutral pH, low alkalinity, and is soft.

A mixture of dwarf shrubs, grasses, mosses, and lichens dominates the plant communities at the Jericho site and is typical of the Low Arctic biome.

At the Jericho site, wildlife habitats are generally coincident with the ecological zones defined in the vegetation mapping program. Regionally important habitat types in the vicinity of the Jericho kimberlite pipe are the large esker complex to the east and north of the project site, and the cliffs and rocky hills to the east (Willingham Hills). Aquatic habitats are abundant both regionally and within the Jericho site study area. They provide important breeding habitat for waterfowl and other water birds. In the spring and fall, they are used as staging areas by migratory birds, although there are no staging areas within the footprint of the Project.

Wildlife studies were completed to document the regional occurrence, abundance, and distribution of wildlife species in the area. Studies at the Jericho site were completed in 1995 through 1997. At the Jericho site, studies have concentrated on species that have ecological or economic significance, or are for some other reason important to humans, including caribou, muskoxen, grizzly bears, wolverines, wolves, foxes, raptors, waterfowl, and other birds. Caribou may move through the Jericho area in May on their spring migration to the calving grounds and from late June to August as they disperse to the south. During the spring migration, the lakes are usually frozen, providing many travel options. As caribou begin to disperse south from the calving grounds, they may be funnelled into the project area by natural topographic features and watercourses, notably Jericho River, Jericho and Carat Lakes, and cliffs at the northern end of the Willingham hills at Jericho. Observations at the Jericho site and radio-collar-generated maps indicate caribou alternately travel down the east side of Contwoyto Lake and avoid the Jericho site completely. A number of carnivore dens and sitings exist for the Jericho site, although no dens are in the immediate footprint of the project. Four raptor species, as well as the common raven, were found to be nesting on cliffs in the Willingham Hills area. These include the rough-legged hawk, golden eagle, peregrine falcon, and gyrfalcon. The northern harrier, typically nests in marshes, wet meadows or tundra shrubs, and was not found in the cliff areas.

With the exception of Contwoyto and Carat, lakes near the Jericho site are shallow, single basin lakes, with low shoreline development ratios. A total of seven fish species occur in the Jericho area. These are: Arctic char, Arctic grayling, burbot, lake trout, ninespine stickleback, round whitefish, and slimy sculpin. The same seven species of fish were recorded in sampled streams in the Jericho study area. Most fish recorded in streams (all except ninespine stickleback and slimy sculpin) represented younger age classes that utilized the watercourses for rearing purposes. Fish numbers were generally low in streams.

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1.0 INTRODUCTION

This report discusses baseline information gathered for the Project by various organizations over the six year period from 1995 through 2000. Baseline reports and consultants providing expertise for Jericho baseline studies are listed in Tables 1.1 and 1.2, respectively.

1.1 JERICHO PROJECT

A full project description is provided in Appendix A.1 of the Final EIS.

1.2 DESCRIPTION OF THE BIOPHYSICAL ENVIRONMENT

1.2.1 Spatial Boundaries of Study Area

The spatial boundaries of the study area varied with the component being studied. The entire Kitikmeot region was included in socio-economic studies; aquatic studies were limited to a 50 km^2 area centred at Carat Lake; wildlife studies included a local study area of 100 km^2 and a regional study area extending from Pellet Lake in the south to Dragon Lake in the North, and Contwoyto Lake in the east to Rockinghorse Lake in the west. Spatial boundaries for the various components of studies are shown on maps in appropriate sections of this baseline report.

1.2.2 Temporal Boundaries for the Study

Baseline studies were conducted from 1995 through 2000. Where appropriate, historical data over a longer time frame was evaluated, e.g., climate normals were obtained for a 30-year time span. Timeframes for data evaluation are discussed in each baseline section of this report.

2.0 CLIMATE

2.1 SETTING

The proposed Jericho mine site is at 65°47' north latitude in an area marked by short, relatively cool summers and cold winters. Temperature range between summer and winter means is 40°C. Precipitation is limited and averages about 300 mm per year, approximately half rain and half snow (rainfall equivalent). Various estimates of evaporation put it at approximately 250 mm per year; evaporation takes place almost entirely during the four snow-free months of the year. The Jericho Diamond Project is located 60 km south of the Arctic Circle; daylight is therefore continuous at the beginning of the summer and virtually absent at the beginning of the winter.

Arctic ecosystems in North America are normally taken to include all lands beyond the boreal forest tree line. The Arctic has been variously classified into two or three subregions (Bliss 1997):

Polunin 1951	High, Mid, Low
Porsild 1951	Ice Desert, Rock Desert, Tundra
Tedrow 1977	Tundra, Subpolar-desert, Polar-desert
Bliss 1997	Low Arctic, High Arctic

Source: Bliss 1997

Based on the classification of Bliss (1997), the Jericho Diamond Project would be in the low Arctic, since the high Arctic is essentially limited to the Arctic islands.

2.2 METHODS AND STUDIES

Long-term (30 years) regional data have been collected by Atmospheric Environment Services (AES - Environment Canada). These data are supplemented by site specific data collected since 1995.

2.2.1 Site Data

Table 2.1 provides a summary of climatic data collected at the Jericho kimberlite pipe area to the end of 2000.

The Jericho data provide direct measurements of many of the climatic elements required for the engineering design and environmental assessment of the proposed mining project. In addition to monitoring of climatic variables, one automated weather station was also instrumented to monitor the water level and temperature of Carat Lake. In September 1996, a second automated weather station was established at the Jericho airstrip (Figure 2.1). Wind velocity and direction are measured at 10 m heights. The two automated stations monitor climatic elements on an hourly basis. The tipping bucket rain gauge, water temperature probes, and water level pressure transducer are only useful during the open water season and are removed at the end of the summer. Water temperature and water levels of Carat Lake were not measured after 1998.

In addition to the data collected by the weather stations, snowpack has been measured at the site. Snowpack measurements provide an estimate of the total amount of precipitation that falls in the period from late fall to early

spring. Snowpack surveys have been conducted at the Jericho kimberlite pipe area during the month of April in the years 1996 to 1999. In performing the surveys, account was made of variability in snowpack depth and water content due to redistribution by the wind. Samples of the snowpack were taken at snow drifts and at a range of spots representing the main terrain types of the areas (i.e., valley bottoms, upland tundra, eskers, and lake surfaces). To provide a means of computing an overall average depth of snowpack, the areal distribution of the terrain types and snow drifts was mapped.

2.2.2 Regional Data

Data are available from two nearby climate stations operated by AES: Lupin Mine, which has operated since 1982 and records air temperature, rainfall, snowfall, and wind; and the south end of Contwoyto Lake, 90 km southeast, which operated for 26 years until 1981 and monitored temperature and precipitation and also measured wind velocity and direction, atmospheric pressure, and humidity for a shorter period.

An additional source of regional data is the network of automated weather stations operated at the EKATI™ Mine, 135 km south of the Jericho kimberlite pipe. Climate data for these stations now span 4 to 6 years.

Other sources of data include research studies that have been conducted in the region to quantify evaporation rates from wetlands, lakes, and tailings ponds. Of particular interest for the Jericho Project are evaporation studies conducted on the tailings ponds of the Lupin Mine and elsewhere (Gibson, et al. 1993, 1994, 1996a, b, 1998, 1999; Whidden 1994) and at the Salmita and Nanasivik mines (Reid 1993, 1994, 2001).

2.3 RESULTS

2.3.1 Site Data

Jericho data were provided in baseline reports for 1995 through 1997; no baseline report was generated in 1998. The September 1999 to September 2000 wind, temperature, rainfall data, and calculated evaporation are summarized in Figure 2.2. Historical data are presented in. Attachment 2.1.

Evaporation was calculated using the Priestley and Taylor Method (1972). Results using this method are similar to those obtained using the Penman method (Reid 2001) and have the advantage of requiring fewer parameters. The Priestley and Taylor equation for evaporation is:

$$E = a*(s/(s+\gamma))*E_r$$

where

E = evaporation
a = constant replacing the weighted aerodynamic component of Penman = 1.26*
$s = 4098e_{as}/(237.3+T)^2$*
$\gamma = C_pP_A/0.6221$*
$s/(s+\gamma)$ = 0.56 at 10°C**. Temperature assumed constant at 10°C.

E_r = energy balance component = 0.0353*Rn-G
Rn = net solar radiation
G = water heat flux (assumed to be 0)*

* See Reid 2001.
** See Priestley and Taylor 1972.

For small drainages, up to 75% of the total annual runoff is contributed by snow melt in the spring. Snow accumulation in small drainage basins is therefore a key variable in estimating runoff for those basins. Snowpack data for years 1996 and 1997 were provided in baseline reports for those years; at the time of writing, 1998 data were not available. Results of the 1995, 1996, 1997, and 1999 snow surveys are summarized in Table 2.2. Station locations were the same each year and are shown on Figure 2.3.

Based on the Lupin 1999 precipitation data, the snow survey, conducted in early April 1999, may have underestimated total accumulation by 20 to 30 percent; however, snow densities were broadly consistent with other years and within the range of variability found. Snow densities were variable from year to year and site to site and averaged overall approximately 30%.

Snowfall runoff estimates for the two small streams that will be affected by the Project (C1 and C3) fall within the range reported for other small drainages in the low Arctic (approximately 75%).

2.3.2 Regional Data

Figure 2.4 summarizes regional temperature from Lupin data. Figure 2.5 provides a similar summary for precipitation. In evaluating precipitation data, it should be recognized that all precipitation measurements are subject to various types of instrument errors. On balance, these errors result in an underestimation of true precipitation. One of the prime sources of error is related to the interaction of winds and the precipitation gauge. The gauge distorts the wind field around the gauge, setting up eddy currents that carry a portion of the precipitation over the gauge's orifice (Sevruk 1989). Another source of error is related to water that adheres to the inside walls of the precipitation gauge during each precipitation event. This water subsequently evaporates and, accordingly, does not show up in the record of measured precipitation.

The underestimation of precipitation is particularly problematic in the north. As well as the errors outlined above, inaccuracies can be introduced because of the high occurrence of trace precipitation events. Until recently, these trace events have been assigned a value of zero in the data archive. This can cause an appreciable error in the precipitation records if, over the year, these trace amounts add up to a significant proportion of the total precipitation. AES has recently undertaken a program to correct their northern precipitation records for this and other losses caused by instrumental errors (Metcalf, et al. 1994). The corrected precipitation records of regional AES stations will be used in future studies related to the characterization of the climate at the Jericho Project. The precipitation data shown in Table 2.3 for Contwoyto Lake have not been corrected for losses.

A climate study undertaken for the NWT Diamonds Project (EKATI™ Mine) (BHP 1995) was referenced for a comparison with lake evaporation rates calculated for the Jericho Project. Lake evaporation at the NWT Diamonds Project was estimated using two techniques, namely Penman's method and measurements from a Class A evaporation pan. Interpretation of these data indicated an average annual lake evaporation rate of 250 mm.

Diavik Mines Ltd. also developed estimates of evaporation from various surfaces for their environmental impact assessment. They made the following evaporation estimates:

Lake	275 mm
Wetland	220 mm
Upland	138 mm
Typical Combination of Terrain Types	191 mm

Isotope studies (Gibson, et al., previously sited) for Lupin Mine indicated evaporation in the 250 mm range.

Land evaporation, normally referred to in water balances, is typically different from lake evaporation. Evapotranspiration is difficult to measure and is usually only estimated by indirect means. The Hydrological Atlas of Canada (1978) shows the mean annual evapotranspiration for the Jericho Project area to be 120 mm. This is usually calculated for an area by subtracting the mean annual runoff from the mean annual precipitation. In contrast, the mean lake evaporation cited in the atlas is 190 mm.

Reid (2001) summarized evaporation estimations using the Penman, Priestly and Taylor, and water balance methods. Mean evaporation rate at Salmita Mine (1993 to 2000) was 292 mm and for Nanasivik Mine for the same period, 189 mm. Jericho calculations provide estimates similar to Nanasivik, whereas somewhat higher evaporation rates might be expected. Most of the month of September was not included in Jericho calculations due to missing data, which probably accounts for the lower than expected estimates. Lakes are typically ice-free at Jericho about the beginning of July—somewhat earlier for small, shallow lakes—and freeze over by about the end of September.

3.0 HYDROLOGY

3.1 JERICHO SETTING

The Jericho kimberlite pipe is located within a relatively small catchment basin (Figure 3.1) measuring 227 km^2.

The Jericho area is drained by the Jericho River (local name), which flows in a north by northeast direction. Discharge from this river is eventually to the Arctic Ocean, first via Kathawachaga Lake and the Burnside River. The Jericho kimberlite is located south of Carat Lake (local name). At its outlet, Carat Lake accounts for approximately 65% of the total area draining to the Jericho River or 148 km^2.

3.2 METHODS AND STUDIES TO DATE

Hydrological data have been collected from the Jericho area since 1995 and will continue throughout the mine life.

The following five sources of information have been drawn upon to characterize the hydrology of the streams at and near the Jericho Project:

- streamflow records collected by Water Survey of Canada (WSC) in the region of the proposed mine development;
- streamflow data monitored by BHP in the vicinity of their EKATI™ Mine;
- streamflow data monitored by Diavik in the vicinity of their Diavik Mine;
- site-specific and regional climate data; and
- streamflow measurements made as part of baseline data collection for the Jericho Project.

Water Survey of Canada (WSC) data are of most use for the Jericho Project in the estimation of extreme events, such as droughts and floods. Accurate assessment of extreme events depends on the existence of long-term streamflow records, which these data can provide. The region encompassing the proposed mine development is served by a reasonably dense network of streamflow gauging stations. A total of 12 WSC stations exist within a radius of 200 km of the Jericho Project. This number increases to over 40 stations at a radius of 400 km. The WSC stations in the region monitor the runoff from a wide variety of catchment sizes, ranging from 70 to 51,000 km^2. The periods of records for these stations range from a single year to 50 years. Some of the regional stations are no longer monitored by the WSC, but their historical streamflow records will, nonetheless, be of importance in estimating the minesite's hydrology.

The second and third data sources are valuable supplements to the WSC streamflow records. The EKATI™ Mine is located approximately 135 km SSE of the Jericho Project and the Diavik Mine approximately 170 km SE. As part of the environmental assessment and engineering design of these projects, BHP and Diavik and their consultants

established networks of hydrometric stations for monitoring both streamflow rates and lake storage fluctuations. Networks have been operating since the summer of 1994 (BHP) and 1996 (Diavik). The data sets provide important insight into the hydrological regimes of small catchments in the sub-arctic.

The fourth source of information is the climatic data collected for the study area. The climatic variables of particular interest are precipitation, evapotranspiration, and snowpack. The first two variables provide an independent estimate of the runoff yield from the Jericho River catchment as a whole and the Contwoyto area principal catchment basin runoff. An estimate of the average annual runoff can be obtained by subtracting average annual evapotranspiration from annual precipitation. The last variable, snowpack, was used to assess local variations in the runoff yield as a result of the redistribution of the snow cover by winds.

The fifth source of data is stream flow data from site streams. These data will be used to validate inferences made about the minesite hydrology from the other four sources of information. Prior to collection of baseline data for this project, no flow measurements were known to have been made anywhere in the Jericho River catchment. Table 3.1 provides details of the monitoring sites which are shown on Figure 3.2.

Automated stream height recorders were established at the outlet of the proposed polishing pond (TC3) and Stream C1 where the upstream start of the diversion is proposed. Staff gauges were established at the inlet to Carat Lake, the outlet from Long Lake, the outlet from Key Lake, and Stream C1 above Carat Lake in June 1999. The staff gauge at the outlet from Carat Lake was re-established in June 1999 as well. Staff gauges were read weekly until September by field staff. Staff gauges were re-established in late July 2000 at Long Lake outlet and Stream C1.

3.3 RESULTS

Despite the lack of long-term records of streamflow for the Jericho Project area, a reasonably accurate picture of the hydrology can be drawn by examining the streamflow data of regional WSC stations.

3.3.1 Mean Annual Runoff

The mean annual runoff (MAR) for the project area was estimated using the closest five WSC stations with greater than 10 years of record. Table 3.2 provides details of these stations, including catchment area, period of record, and MAR. As can be observed, the MAR is expressed in two ways, namely as a long-term average volumetric flow rate (m^3/s) and as a depth (mm). The latter unit may be interpreted as the equivalent depth to which the total annual runoff volume would spread uniformly over the contributing catchment area. Expressing MAR as a depth provides a convenient means of comparing the runoff yields of catchments of different size.

The MAR values of the selected WSC stations are all low and are bounded in narrow range (170 mm to 229 mm). This observation is consistent with the pattern of annual precipitation in the region (i.e., low amounts and small spatial variations). Based on its location relative to the five WSC catchments, the Jericho River is estimated to have

a MAR of 190 mm per year. This corresponds to a long-term average annual flow at the outlet of Carat Lake of about 0.9 m^3/s.

3.3.2 Seasonal Runoff Distribution

Figure 3.3 graphically presents the monthly distributions for a selection of stations in the region. To facilitate comparison, the distributions have been expressed as percentages of the mean annual runoff (i.e., the proportion of the MAR contributed by each month).

The runoff distributions for these stations reflect the cold climate of the region. The prolonged period of sub-zero temperatures during the winter causes the flow in smaller streams to cease completely[1]. At the latitude of the Jericho Project, the period of no flow may last up to 8 months. Even some of the larger rivers in the region can completely freeze to the bottom, unless their flows are sustained by releases from a large lake storage or by a significant groundwater discharge. Snowmelt arrives late in the region (early June). This may lead to peaky hydrographs for the small catchments, as evidenced by the average monthly distribution for Atitok Creek (the month of June typically accounts for 70% of the year's total runoff volume). Lake storage tends to attenuate the runoff response in the larger catchments. For some rivers in the region, lake storage is large enough to delay the annual runoff peak into July.

3.3.3 Jericho Data

Results to 1998 were detailed in baseline reports for the appropriate years (1995 through 1997); no discharge data were collected in 1998. All data are summarized in this report. The 1999 discharge results are summarized in Figure 3.4. Reference to the figure indicates peak flows, or near peak flows were measured in the spring for smaller streams. Carat Lake inflow and outflow streams could not be safely waded during peak flows and the first measurements were well below maximum flood flows. The shape of the discharge curves is typical for gauged streams in the Arctic (Figure 3.3). Streams in smaller basins tend to have more pronounced peaks, unless there is significant storage, i.e., lakes. Lakes are located upstream of all small streams gauged, except C2. The drop in flood flows from Lake C1 was moderated more than other streams measured, perhaps due to the existence of a wetland directly upstream of the gauging station.

The minor peaks shown in all the curves coincide with relatively heavy summer rains, which occurred in late July and late August.

Stage-discharge relationships allow prediction of discharge from stream height and are therefore a useful tool for water management purposes. Stage-discharge relationships were established for Carat Lake inflow and outflow in 1997 (Figure 3.5). The 1999 data were used to develop stage-discharge relationships for stream C1, which will

[1] This includes the outlet from Carat Lake, which was found to have zero flow April 1998 by WSC and Tahera consultants.

require diversion as part of water management at the Jericho open pit, and for Long Lake outflow (stream C3) from 1999 data (Figure 3.6).

Occasional spot discharge measurements were made in Project streams prior to 1999, whereas in 1999 weekly stream discharges were measured throughout the summer, as previously discussed. The 1999 data provided a reasonable basis for comparison with predicted MARs. Results of the comparison are presented in Table 3.3. The monthly distribution of precipitation determined from Lupin data was used for the predicted discharge, e.g., for June 56.9% of annual runoff. The depths (130, 190, 250 mm) were multiplied by the catchment areas above gauging stations shown in Figure 3.2 to provide a predicted monthly average discharge rate in cubic meters per second. Table 3.4 provides total average monthly discharge, based on measured discharges versus predicted MARs. The months of June and September are omitted, as there are not enough data to calculate meaningful average monthly discharges.

There is considerable variability in the data. However, the data largely fit within the bounds set by the 130 to 250 mm MARs. Measured discharges in June varied the greatest from predicted runoff. This resulted principally from the small number of measurements taken in June and, for the Carat Lake drainage system, from the inability to measure peak flows.

Discharges will continue to be recorded on Stream C1 and Long Lake outlet (Stream C3) during construction and operation of the Project.

4.0 SURFICIAL GEOLOGY

4.1 JERICHO KIMBERLITE PIPE

Bruce Geotechnical Consultants Inc. (BGC 1996a and 1997) have described the surficial geology of the Jericho kimberlite pipe area.

The Jericho Project is situated in the southwest portion of Nunavut in a tundra environment. At the Jericho kimberlite pipe site, low relief of the terrain and relative immaturity of the drainage network has resulted in a drainage pattern that can be described as contorted (Chorley et al 1985), characterized by numerous lakes and many ephemeral streams interspersed among boulder fields, eskers, and bedrock outcrops.

The Jericho area was inundated by glaciers several times during the Pleistocene Epoch with the last deglaciation occurring 9,300 years ago. Associated with this last glaciation is a discontinuous, but locally thick blanket of gravelly silty sand till with many cobbles and boulders. Glaciolacustrine sediments locally blanket the till, particularly below an elevation of 480 m around Carat Lake. Glaciofluvial land forms deposited during deglaciation include eskers, outwash deltas, kame deltas, and supraglacial deltas. Glaciofluvial sediments range from clean sand and gravel to thick boulder and block accumulations.

Over the past 9,300 years, periglacial processes have caused mechanical breakdown and mass wasting of glacial soils and near-surface rock. Organic soils have developed in some poorly drained areas.

BGC drilled 19 boreholes in the area of the kimberlite pipe down to a maximum depth of 13.7 m. A location map from their report (BGC 1996a) is attached in Attachment 4.1.

4.2 ESKERS

Bruce Geotechnical Consultants (1996b) investigated granular borrow materials (eskers and outwash deltas) proximate to the Jericho kimberlite pipe. Nine boreholes and four test pits were drilled and dug north of the Carat camp in the outwash delta. Adjacent to the airstrip in the esker, soil profiles were logged and soils were analyzed for moisture content and grain size. Sampling was conducted in July and August.

Esker soils were sand and gravel with small percentages of cobbles and fines, i.e., typical esker materials. Typically over 90% of the sample grains was 16 mesh (1.18 mm) or smaller and over 50% 30 mesh (0.6 mm) or smaller, i.e. coarse to fine sand. The total volume of esker materials proximate to the Jericho kimberlite pipe has not been estimated, however, borrow material sources sufficient for projected project needs have been permitted for potential use.

Ice was encountered in six of the nine boreholes, either interspersed in sand or massive. Average depth of encounter of interspersed ice was one to two meters and massive ice two to three meters. Thickness of interspersed ice was one meter or less and massive ice one to two meters. One massive ice lens was 14 m thick.

5.0 PERMAFROST

The Jericho Project lies within the region of continuous permafrost. Permafrost is present everywhere, except beneath large lakes and rivers that do not freeze to the bottom. Permafrost is estimated to extend to depths of approximately 540 m at the Jericho pipe (BGC 1997). In the surficial soils, the active layer ranges in thickness from less than one meter in organic soil to slightly more than three meters where well-drained granular materials are present (BGC 1996a). Active layer thicknesses in exposed rock locally exceed three meters. Ground probing radar, and limited drilling to date (GSC 1995, BGC 1996a, b) have revealed stratified ground ice in the surficial materials, including massive ice deposits at the base of the Carat Lake outwash delta and within the esker complex to the north.

Active layer depth changes were monitored in the summer of 1999 at eight plant growth stage plots at the Jericho site. Depth to the active layer was determined with a 1 cm diameter metal probe pushed into the soil at the same location weekly throughout the measurement period. Active layers in soils varied between 0.1 and 0.8 m from the snow-free period to early fall when overnight temperatures dropped below freezing.

No naturally occurring (or exploration activity induced) thermokarst erosion has occurred at the Jericho site. Overburden thickness in most areas precludes soil slumping and there is no evidence of soil slumping anywhere on the Jericho site.

6.0 SURFACE WATER QUALITY

6.1 FIELD METHODOLOGY

Twenty-three sampling sites on eleven lakes, one creek, and one river were monitored on a regular basis through 1997. One subset of samples was collected in April 1998. Eight sampling sites on four lakes and four streams were monitored in 1999. Seven sites on six lakes and one stream were monitored in 2000. Table 6.1 lists the sites and sampling dates through September 2000. Sample locations are shown on Figure 6.1. Numbering of stations is consistent with the previously established numbering system, i.e., stations that were previously established were retained.

Lakes and streams to be monitored were selected to represent drainage basins and areas upstream, downstream, and at the site. For the 1995 through 1997 programs, the number of sampling sites per water body was determined by the size, depth, and water flow. In lakes with depths of 20 m or greater, or where thermal stratification occurred, samples were taken at 20% (epilimnion), 50%, and 80% (hypolimnion) of the maximum depth. Sites where the water was between 10 and 20 m deep were sampled at 20% and 80% of depth. In areas where the maximum depth was less than 10 m, only one sample was taken. As well, only one sample was collected in winter, due to extreme cold and lake ice cover making depth sampling impractical. In 1998 and 1999 only surface water was collected from lakes, because of the demonstrated lack of variability with depth (see below).

Measurements of pH, specific conductivity, total dissolved solids (TDS), dissolved oxygen (DO), percent saturation of oxygen, turbidity, and temperature were taken at one-meter intervals for each lake sampling station in the open water months. Other field measurements included Secchi disc transparency, wind direction, wave height, and total depth up to 25 m.

Water samples were collected at discrete depth intervals using a Van Dorn sampler. The sampler was triple rinsed with surface water before it was sent to the desired sampling depth. Sufficient time was allowed to pass to ensure that the sampler was vertical before the messenger was sent down to close the bottle. From the discrete sample, sub-samples were then transferred to acid-rinsed plastic (for metals samples) and glass bottles, which had been triple rinsed with the collection water.

During periods of ice cover (i.e., the April and December sampling periods), holes were drilled through the ice cover by a gas powered ice auger for the collection of surface grab water samples. Samples were collected approximately 0.5 m below the water surface exposed in the holes. Rinsing of sample containers with in-situ water was impractical due to the cold weather; consequently, laboratory prepared sample containers were used.

Surface grab samples were collected from shallow areas such as streams. Laboratory plastic bottles were triple rinsed prior to obtaining the sample. The capped bottles were placed just below the stream surface with the open

end facing upstream, uncapped underwater to fill, and then recapped. Except for wave height, the in-situ measurements described above were also taken in streams.

Dissolved metal samples were filtered through a 0.45 µm millipore filter and preserved with AA grade nitric acid. Total metals samples were also preserved with AA grade nitric acid. Total organic carbon samples were preserved with AA grade sulphuric acid. A 2-L sample of raw water was not preserved. All samples were kept cool during storage and air transported to Analytical Services Laboratory (ASL) in Vancouver.

The 1999 water quality program had the same sample collection times and parameter list as discussed previously. Water was collected in April, July, August, and September.

Sample sites at Jericho were modified in 1999 to reflect additional requirements for background data for water bodies that may be affected by processing plant operation. Cigar Lake control site was maintained, as was the sample site in Carat Lake near the camp. Additionally, water quality samples were collected at the outlet from Jericho Lake (CL-06), Long Lake (Lake D10) near its outlet, Lake C3, the outlet from Key Lake, and the outlet from Lynne Lake.

6.2 LABORATORY METHODOLOGY

General water parameters (pH, dissolved anions, nutrients) were analyzed in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes" (United States Environmental Protection Agency), "Manual for the Chemical Analysis of Water, Wastewaters, Sediments and Biological Tissues" (British Columbia Ministry of the Environment), and/or "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association).

Total and dissolved metals and organic parameter samples were analyzed in accordance with procedures described in "Standard Methods for the Examination of Water and Wastewater", 18th Edition (American Public Health Association, 1992). Several methods were employed for metals analysis, including Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and Atomic Absorption Spectrophotometry (AA) to obtain the required detection limit for each element. Organic parameters were analyzed using a gas chromatograph - flame ionization detector (GC/FID). Mercury was analyzed by cold vapour AA. Parameters analysed are listed in Table 6.2

6.3 QA/QC PROGRAM

Laboratory quality assurance/quality control (QA/QC) consisted of a routine program to check the accuracy and precision of the analyses and to ensure that laboratory contamination did not contribute to the results. This program was conducted in-house by ASL. It involved checking every 20 to 25% of the total number of samples being analyzed and also included triplicates, blanks and splits. ASL can provide a copy of their QA/QC manual upon request.

To check on the precision of the samplers, replicate water samples were submitted for testing for some of the samples taken; duplicates were performed during the first sampling session and then revised to triplicates. Sequential triplicate samples were collected for 10% of the total number of samples at each basin per sampling session. A sequential triplicate requires that the collector fill three sampling sets (group of bottles from three different samples at the same depth). Since sampling took place over three seasons, no spatial bias towards any specific site or temporal bias towards any season was incorporated into the sampling program. The 1999 sampling campaign was modified to submit blind triplicates for analysis, i.e., triplicate samples not labelled with the location.

To ensure that no contamination had reached the samples, travel/field blanks were incorporated into the sampling process. A travel/field blank is a set of bottles filled with demineralized-de-ionized water (supplied by ASL) and processed in the same manner as a collected water sample. These blanks were carried for each sampling session. All blanks were filled in the field to ensure that they underwent the same conditions and procedures as the water samples (i.e., collection, storage, and travel).

The third level of quality control was a check on the laboratory's precision and accuracy by preparing a split sample in the field. A split sample is a discrete water sample separated into two identical tests. The water sample is collected at one time and at a specific depth. In theory, the same results should be achieved when analyzed by the lab.

6.4 RESULTS

Table 6.3 provides a summary listing of water chemistry ranges found for sites in the Project area. Raw data are attached in Attachment 6.1. Transparency (Secci disk) data are discussed in the Aquatic Baseline Report (Appendix B.1.4).

6.4.1 Watershed Characteristics of Jericho Area

Lakes within the Jericho watershed are oligotrophic. The pH is neutral to slightly acidic with very low concentrations of total dissolved solids (7 to 18 mg/L) and little to no suspended solids (<1 to 4 mg/L). Water is very soft (hardness 3.4 to 12 mg/L--one outlier at 24 mg/L) and very low alkalinity (2.5 to 12 mg/L – one outlier at 23 mg/L). Other physical parameters are also very low in concentration. Water is very close to distilled water and has nearly no buffering or metal absorption capacity.

Most total and dissolved metals concentrations are below analytical detection limits. Those metals that are detectable are below the CCME (Canadian federal) freshwater aquatic life guidelines. Metals and major ions that are detectable included aluminum, calcium, magnesium, silicon, and strontium. Iron was detected in selected samples. Zinc was detected in the total metal values of Jericho Lake and River only.

The 1999 results showed one sample from Carat Lake with detectable iron and zinc, unlike previous years sampling where these metals were not detected. Given the extensive sampling of Carat Lake at up to three locations over a

four-year period, these high concentrations can be considered anomalous. There is no correlation with elevated concentrations in other metals, nor with elevation in total suspended solids, which might be expected to raise metals levels in total metals analyses. Complete data to 1999 are attached in Attachment 6.1. Sample locations are shown on Figure 6.1. Detection limits are listed in Attachment 6.1.

Nitrogen species and total suspended solids have the potential to be affected by operation of the mine at Jericho. Dissolved phosphorus is also of interest since phosphorus limits primary productivity (i.e. algal growth) in oligotrophic Arctic freshwater systems. Table 6.3 lists the minimum and maximum concentrations recorded for all sites at Jericho, where these parameters were measured from 1995 through 2000. As with other water chemistry parameters, most concentrations of ammonia, nitrate, nitrite, total dissolved phosphorus, and totals suspended solids (non-filterable residue) were below detection.

The highest ammonia concentration recorded was for site CL-04 at 0.24 mg/L. This is approximately an order of magnitude below the federal guideline for ammonia at neutral pH and zero degrees water. There is no numerical federal guideline for nitrate for the protection of aquatic life; the drinking water guideline is 45 mg/L. Nitrate concentrations were two orders of magnitude below this level, ranging from below detection (0.005 mg/L) to 0.19 mg/L. Almost all nitrite concentrations measured were below the detection limit of 0.001mg/L.

Dissolved ortho-phosphate ranged from below detection (0.001 mg/L) to 0.007 mg/L. There are no federal guidelines for dissolved phosphorus. Total dissolved phosphate ranged from below detection (0.001 mg/L) to 0.008 mg/L. Dissolved phosphate levels are low and reflective of oligotrophic water bodies. At these concentrations, dissolved phosphate is limiting primary production.

Total suspended solids ranged from less than detection (1 mg/L) to 18 mg/L. The spread of concentrations is shown in Figure 6.2.

Evident from Figure 6.2 is that the majority of TSS concentrations measured were below 6 mg/L or approximately one-third of the Draft Metal Mine Effluent Regulation objective of 15 mg/L.

6.4.2 Spatial Trends at Jericho Area

There were no noticeable or consistent trends between upstream and downstream sites.

6.4.3 Seasonal Trends at Jericho Area

Temperature and dissolved oxygen showed trends, but other parameters did not. The highest water temperatures occurred in August. Dissolved oxygen levels for 11 stations averaged 11.4 mg/L in spring, dropping to 10.5 mg/L in summer, and rising again to 11.3 mg/L in fall; the trend is temperature-related. The bay on Contwoyto Lake, in contrast, had highest oxygen concentrations in July. Temperature-depth profiles for stations were measured for the following periods:

- spring, summer, fall 1995;
- spring, summer, fall 1996;
- summer 1997; and
- summer 1999.

6.4.4 Depth Trends in Lakes at Jericho

Normally, in lakes less than 10 m depth, the wind can thoroughly mix the water body. In deeper lakes, the summer heating of surface waters can lead to development of a thermocline. As colder water at depth is denser than warmer surface water, the thermocline can lead to summer stability. In the fall, as surface waters cool, complete mixing can again occur.

Despite the formation of thermoclines in deeper water bodies, no significant change in metal concentrations with depth was noted. Thermoclines were detected in Cigar Lake in July; Carat Lake in August; Key Lake in July; Pocket Lake in July and August; and Lynne Lake in August. No thermocline was detected in Contwoyto or Jericho lakes during any of the sampling periods.

Oxygen decreased with depth in all lakes measured.

Water chemistry profiles were obtained in 1995 and 1996; data are attached in Attachment 6.1.

6.4.5 Field QA/QC Results

Any values above detection (acidity, pH excepted) indicate potential contamination or problems with the de-ionized-demineralized water used for the blanks. Concentrations above detection (aside from the above-noted exceptions) are listed in Table 6.4. Effective detection limits then become the concentrations shown in the travel blanks for the parameters, dates, and sites listed.

Aluminum was the metal most often above detection in travel blank samples. Leaving aside samples at detection limits, lead was the next most problematic. Both total and dissolved lead concentrations in July and September 1999 suggest a contamination source. Total organic carbon was above detection on several occasions and this may have been due to the distillation process not completely removing organic carbon from the water samples used to prepare the blanks.

Triplicate (or duplicate) samples and splits were also obtained for quality control. Since most parameters were at or below detection, the data are not as useful an assessment as would be the case if all parameters could be measured. Replicate samples with greater than 20% difference among replicates are listed in Table 6.5. Only one of the split samples differed by more than 20% and concentrations measured were very near the detection limit: dissolved arsenic for the 96/12/04 sample at CL-06 showed a 50% difference.

Most replicate sample variation above 20% occurred for concentrations near the detection limit and probably represents instrument variations, rather than variability in concentration of water chemistry of samples collected at the same time and location. Replicate sample variation occurred most frequently for total and dissolved aluminum. Two samples (dissolved lead and dissolved zinc) appear to have been contaminated because of the relatively high concentrations measured in one of the replicates which was not mirrored in other measurements for that site. Given the large number of samples collected over the five-year sampling period, results indicate (leaving aside variations at detection limits, and possibly aluminum) very low variability in water chemistry for replicate samples and therefore a relatively high confidence that concentrations reported are at, or close to, real concentrations.

7.0 GROUNDWATER

Groundwater was not detected in drill holes at the Jericho area, nor in the underground bulk sample collected. The presence of permafrost to depths of 540 m is expected to prevent any groundwater flow into the pit.

Ice was found at Jericho to be infilling joints in the rock. Analysis of one ice sample indicates that aluminum, chromium, copper, iron, lead, nickel, silver, and zinc exceed CCME freshwater aquatic life guidelines. This indicates that ice encountered during mining must be managed so that runoff from meltwater does not enter surface water bodies.

8.0 SEDIMENT QUALITY

Sediment samples have been collected from a number of Project area water bodies summarized in Table 8.1.

In 1999 and 2000, one set of sediment samples was collected (by means of a stainless steel Ekman grab - lakes, or shovel / coarse (20 mesh) screen – streams) from Lake C3, the outlet stream from Long Lake (Stream TC3), and a control lake site upstream of Lake C3. The analysis parameter list was similar to that for water, but ICP (ppm) rather than ICP-Mass Spectrometer (ppb) detection limits were used. Triplicate samples (three samples from each site) were taken in late July 1999 and 2000 and analyzed for the parameters listed in Table 6.2, except that only total extractable metals were analyzed. In 1999, where possible, the -70 µm fraction of the sediment was analyzed to bias results in favour of particle sizes that are more biologically available. Due to coarseness of the surface material available, stream TC3 sediments were analyzed using the entire sample rather than the -70µm fraction. Review of the data indicates metals levels appear to be somewhat lower in Stream TC3, as expected.

Control Lake had metals elevated above those of other sample sites. Other data were consistent with previously collected sediment samples. Most parameters measured in Control Lake were two to ten times higher than Stream TC-3, Lake C3, Cigar Lake, Carat Lake, and Jericho Lake. This may be due to glacial movement of Morel Sills (basic diabase bedrock) into the Control Lake basin. These rocks are high in aluminum, iron, and magnesium. In contrast, Lake C3 and Long Lake are located behind a topographic high consisting of granitoid bedrock and may have been protected from deposits from the Morel Sills. Lynne, Key, Ash, Pocket, and Contwoyto Lake bay are nearer to Control Lake in sediment quality, except for arsenic, which is generally lower in these latter lakes. Movement of Morel sills can be used to explain these latter similarities as well. Table 8.2 provides a summary of results.

9.0 VEGETATION

Vegetation studies accomplished two objectives:

- mapping of vegetation communities, especially with respect to wildlife habitat in the Project area;
- recording of changes in growth through the spring and summer at the site at a number of representative sites (phenology plots).

Mapping of vegetation occurred over two seasons to cover the entire Project area; phenology was conducted in 1999. The 1999 studies are discussed in full in a vegetation report prepared for the Project by Outcrop Nunavut (Appendix B.1.2). Other information is discussed in this Section.

9.1 PHYSIOGRAPHY

The Carat Lake/Jericho site is located in the Takajuq Lake Upland Ecoregion of the Southern Arctic Ecozone (Environment Canada, 2000). The brief description of this ecoregion, from the Environment Canada website, follows:

> "The Takajuq Lake Upland takes in the eastern half of the Bear-Slave Upland south of the Coronation Gulf. Much of the upland surface is composed of unvegetated rock outcrops that are common on the Canadian Shield. The mean annual temperature is approximately –10.5^{o} C with a summer mean of 6^{o} C and a winter mean of – 26.5^{o} C. The mean annual precipitation ranges 200-300 mm. This ecoregion is classified as having a low arctic ecoclimate. Numerous lakes fill its lowlands."
>
> "Vegetative cover is characterized by shrub tundra, consisting of dwarf birch, willow, northern Labrador tea, *Dryas* spp., and *Vaccinium* spp. Depressional sites are dominated by willow, sphagnum moss, and sedge tussocks. Scattered stands of spruce occur along the southern boundary of the ecoregion."
>
> "The region consists mainly of massive Archean rocks that form broad, sloping uplands, plateaus, and lowlands. Bathurst Hills form a prong of rugged ridges that reach about 610 m asl and stand as much as 185 m above nearby lakes. Turbic and Static Cryosols have formed on thin discontinuous sandy morainal and fluvioglacial materials, and in association with rock outcrops, dominate the uplands. Organic Cryosols are the dominant soils in the lowlands. Permafrost is deep and continuous with low ice content throughout the majority of the region, although the ice content along the west side of Bathurst Inlet is low to medium. The ecoregion has hidden mineral development potential and considerable exploration activity has taken place."
>
> "Characteristic wildlife includes caribou, muskox, grizzly bear, hare, fox, wolf, raptors, shorebirds, seabirds, and waterfowl. Land uses include subsistence trapping and hunting."

9.2 SCOPE

9.2.1 Spatial Scope

Figure 9.1 delineates what we have called the Local Study Area, this being the area in which most plant studies were carried out. It includes all areas identified by the company as mining locations, as places where waste rock and tailings will be deposited, where the kimberlite will be stored, and all roads, camps and other infrastructure will be located, including the airstrip.

All 5 m x 5 m study plots are indicated on Figures 9.2 and 9.3.

9.2.2 Temporal Scope

This portion of the vegetation baseline work was done in a single field season in 1999. The technicians started setting up phenology plots on the ridges and areas as they became snow-free, in mid May. They continued to check phenology plots once per week until the first week in September.

Major vegetation fieldwork was done in two visits to site, first on June 10 and 11, and later, from July 27 through July 31. A total of 7 days were spent in the field, collecting data on the Jericho site.

9.3 STUDY SCOPE AND OBJECTIVES

9.3.1 Scope of Study

As the intent of the study was to catalogue as many species of plants as possible, and to describe their relationships to each other, to the environment, and to the terrain features on the sites, the vascular plants from a total of 89 plots were identified.

Several species lists were developed in 1999 and are discussed further in the Vegetation Report (Appendix B.1.2).

9.3.2 Study Objectives

Since fieldwork had been done in 1995, the objectives for the 1999 study were:

- To establish, permanently mark, and record initial data on phenology plots that can be used for monitoring environmental effects on the vegetation for a number of years, during all phases of the development of the project.
- To check vegetation work previously, collecting more detailed data.
- To check for rare plants.

9.4 METHODOLOGY

9.4.1 1995 Methods

Plant communities within a 12 km^2 study area encompassing the proposed mine site were described and mapped according to protocols in “Research and Management Techniques for Wildlife and Habitats” (Bookhout 1996). The

vegetation assessment included a review of existing data, field and aerial photo mapping, and vegetation plots to determine plant species composition in each community.

The majority of field sampling was done in 1995, with some additional sampling completed in 1996. Field studies were done in July to coincide with the spring/summer bloom period.

Mapping focused on ecological zones, which were delineated on the basis of terrain type, soil moisture, and dominant plant species. The boundaries of these zones were initially mapped from ground observations, then later verified and refined using low-level aerial photographs.

Two to four representative grid sites were selected within each ecological zone and were delineated using stakes and rope. Within each grid site, ten or more 1 m^2 plots were randomly located, and plant species composition and percent cover were determined. The grid size and the number of plots depended on the variability within the zone.

Systematic transects were used to characterize the vegetation in one extremely variable ecological zone (dry rocky tundra). These consisted of 1 m^2 sampling plots at 20 m intervals along an 800 m transect line. The species composition and per cent cover were determined in the same way as for the grid method.

The vegetation communities for three of the ecological zones identified in mapping were not specifically characterized. The first (eskers and kame deltas) was outside of the original study boundaries. The second (cliff habitat) supported almost no plant cover. The third (beach shoreline) was mapped using qualitative methods.

9.4.2 1999 Methods

The 1999 study methodology is detailed in the appended Vegetation Report (Appendix B.1.2).

9.5 OVERVIEW OF 1995-96 RESULTS

A mixture of dwarf shrubs, grasses, mosses, and lichens dominates the plant communities. Eight distinct ecological zones were defined on the ground, however two of these (wet grass/sedge meadows and wet birch brush) could not be easily distinguished on aerial photographs, and were therefore combined in the final mapping. The relative extent of the seven ecological zones mapped is presented in Table 9.1. Map C (Appendix E) shows the ecological zonation map produced from 1995 studies and expanded to cover proposed areas of disturbance in 1999 and 2000.

9.6 1999 PROGRAM

9.6.1 Plant phenology

Plant phenology studies do not provide reliable data over a single season. Local weather, including precipitation, storms, snow accumulation, etc. can vary from year to year, and will influence events like leafing out, the development of flower buds, maturation of seeds, etc. Phenology studies produce useful results when maintained over several to many years, in a consistent fashion.

Table 9.2 provides the raw data from phenology studies during the summer of 1999.

The summer of 1999 was in general a cold summer. Some species (especially some species of arctic cotton) had few blooms, and in many cases did not even "green up" as fully as would be expected. Some plants did not bear fruit at all.

Once the ground was snow free, leaf and flower development was very rapid. Late June/early July was the time of swiftest leaf development and flowering in most dicots. In some plants (bearberry and crowberry, for example), flowering precedes the development of the leaves, or change to the summer leaf colour. Plants like the bearberry and blueberry went from tight buds to petal fall in a single week. Cloudberry took even less time, with each plant blooming only 3 to 4 days.

A late snowbank community plot was established in early July. By the end of July, the plants in the late snowbank community plot were at the same stage as areas that had become snow-free in mid-June. One ravine area did not become snow-free until mid-July. It was not studied as a plot, but was watched carefully. As of late July, flowering of *Saxifraga rivularis* and *S. nivalis* had just begun.

Forbs (generally including non-woody, non-graminoid species) tend to develop very rapidly. An example is chickweed (*Stellaria monantha*). Often no sign of the plant appears above ground prior to the beginning of that year's development. Once it starts, the plant appears, stem extends, and leaves unfurl very quickly, often within the span of a single week. Flowers usually are open by the next week.

9.6.2 Plant communities

The plant communities found at the Jericho site are summarized in Attachment 9.1**,** and correspond roughly to communities identified in the 1995 study. In some cases, the names assigned to the communities are altered slightly to better fit the vegetation. Plant communities are typical of undisturbed areas and appear vigorous and healthy.

Table 9.3 compares plant associations found in this study with "ecological zones" identified in the 1995 work, and with systems developed for Diavik, WMC International Ltd., and in the West Kitikmeot Slave Study Habitat/Vegetation Classification study.

9.6.3 Aerial Survey

Two aerial surveys were flown over the Jericho Local Study Area to ascertain that no unusual plant communities were missed. In addition, the ground was watched carefully en route to any drop-off points to ensure areas that should be examined more closely were not missed.

From the air, some general patterns are readily visible. There are few areas where plants grow in standing water. Low areas, drainage basins, and depressions are inhabited by sedge communities, including non-tussock and tussock sedge associations. The major sedge communities in the local study area occur in the area between the portal and

Carat Lake, where a well-defined stream drains down from C-1 and other small ponds. In the channels of these larger streams, birches and willows grow together, creating low riparian "forests".

Sedge basins blend into hummock communities, which in turn blend into heath tundra, which covers a larger portion of the uplands. Heath tundra crowns most hills, where there are no bedrock outcrops, and occurs on many slopes. Bedrock outcrops, such as those on the hill to the southwest of the portal, in the proposed plant site, characteristically bear few rooted plants, but are covered by a varied flora of crustose lichens. Boulder fields and felsenmeer form a mosaic across the land, and are occupied mostly by crustose lichens and a web of fruticose and foliose lichens between the boulders. At the edges of many boulder fields, birch seeps indicate reliable sources of water.

A large esker system (or kame delta) extends from Carat Camp north. It exhibits typical esker complex communities, crests with patches of blueberry, bearberry, and prickly saxifrage, windward slopes with heath tundra, and leeward slopes with a fringe of dwarf birches along the slope, ponds, and sedge communities in the low areas. Snowdrifts collect in the ravines, and last into mid-summer, creating snowbank communities.

The valley at the west end of Long Lake and the south-facing slopes on the north side of Long Lake have the best examples of snowbank communities seen in the course of this study. These include areas with bog laurel, mountain heather, violets, and other species normally found in the treeline and northern part of the taiga. These species are by no means rare; it is just that this site is at the northern limit of their ranges.

9.6.4 Rare Plant Survey

No plant species identified as rare in the two main papers on rare plants in the Canadian arctic (McJannet et al. 1995; or McJannet et al. 1993), were found in this study.

One species of willow (*Salix tyrrellii*) listed on the COSEWIC list (COSEWIC, 1999) as a "threatened" species was found, but occurs abundantly throughout the area. Based on information collected in this and the WMC International Meliadine West project, willow specialist Dr. George Argus is now suggesting that this species be delisted, as he believes it has simply been misidentified in the past (Argus, 1999).

10.0 WILDLIFE HABITAT

Wildlife habitat is discussed fully in the 1999 and Y2000 Wildlife Report (Appendix B.1.3).

10.1 METHODOLOGY

At Jericho, wildlife habitats are generally coincident with the ecological zones defined in the vegetation mapping program. The major habitat types were evaluated to determine the variety of wildlife species present and the importance or significance of the habitat to each species. Several categories of habitat use were recognized, including feeding, hunting, denning or nesting, and breeding. Evidence for habitat use was either by direct sightings or by animal sign, including tracks, droppings, diggings, dens, nests, or summer daybeds.

The habitat studies focused on regionally and locally significant habitats. Regionally significant habitats are those with high value and sensitivity to development, which are regionally scarce, such as eskers and cliffs. Habitats of local significance are those with high value and sensitivity, which are regionally abundant, such as lakes, wetlands, and meadows.

Habitat characterization work at Jericho was completed during the 1995 field season. The use of a habitat by a particular species was determined as part of the 1995 and 1997 wildlife surveys. A literature review complemented field studies.

10.2 RESULTS

Regionally important habitat types in the vicinity of the Jericho kimberlite are the large esker complex to the east and north of the project site, and the cliffs and rocky hills to the east (Willingham Hills). Locally important habitats are the aquatic areas, sandy shorelines, wetlands, tundra slopes and uplands, and rocky tundra (See Ecological Zonation Map, Map C, Appendix E).

Eskers and kame deltas are the primary denning habitats for large and small mammals, including bears[2], wolves, foxes, and ground squirrels. Eskers are also used as migratory corridors and insect relief areas for caribou, nesting habitat for shorebirds, and hunting areas for predators.

Cliffs and rocky hills are the primary breeding and hunting habitats for raptors and some types of songbirds.

Aquatic habitats are abundant both regionally and within the Jericho study area. They provide important breeding habitat for waterfowl and other water birds. In the spring and fall, they are used as staging areas by migratory birds.

Sandy beach shorelines are present along some of the lakes and streams at Jericho. These are used as feeding areas by shorebirds and other water-based birds, and as migratory corridors for large mammals.

[2] Results from McLoughlin, et al. (1997) suggest eskers may not be as important as thought for grizzly bear dens.

Wetlands include the wet grass and sedge meadows and the wet birch brush identified in the vegetation mapping. These are used by several groups of birds and mammals, and are particularly important as nesting and rearing habitat for shorebirds, waterfowl, and other aquatic birds.

Barren-land (heath) tundra is a common habitat type throughout the region. It is used by many wildlife species, and provides migratory corridors and feeding areas for caribou and muskoxen, hunting areas for predators, and breeding areas for land birds, songbirds, and some shorebirds.

Rocky tundra is also common and used for feeding by muskoxen during winter months, when such areas are blown free of snow[3]. Large boulders in rocky tundra are used as perching spots for territorial male songbirds.

[3] Based on four years' discontinuous observations, muskoxen do not overwinter at the Jericho site.

11.0 WILDLIFE

Wildlife is discussed in detail in the 1999 and Y2000 Wildlife Report (Appendix B.1.3).

11.1 INTRODUCTION

The studies reported here cover the field work done by Hubert and Associates Ltd. in and around the Jericho kimberlite pipe and associated portal, camp, and airstrip in 1999 and 2000. Data from previous studies in the area and region are incorporated where appropriate. The studies in 1999 and 2000 focussed on the distribution and abundance of wildlife species in the area of the proposed Jericho Diamond Mine operations and associated infrastructure. Study methods included aerial surveys for ungulates, carnivores, and raptors, ground surveys for birds, traplines for microtine rodents, and ground traverses for mapping caribou trails. Hubert and Associates Ltd. were assisted in all aspects of the field work by Tahera Corporation field staff. A very significant contribution of data involved the diligent recording of incidental observations of birds and mammals in the Project area, which resulted in a comprehensive wildlife observation log for the April to September period for 1999 and June to August in 2000.

11.2 CONSERVATION STATUS OF PROJECT LANDS

The observations of wildlife in the area of the Jericho Diamond Project area reported here should be considered in the land conservation context of the geographic area of the Project. There have been numerous initiatives to classify northern lands for their ecological significance to wildlife and related values. None of the lands surrounding the Jericho Diamond Project site have been identified by either the Territorial Government (GNWT at the time; Ferguson, 1987) or the Federal Government (Alexander et al, 1991; CWS 1993) as extra-ordinary for wildlife conservation purposes. Also, none of the species of birds or mammals in the Project area belongs to a population that has been designated for special attention by the Committee on Endangered Wildlife in Canada (COSEWIC, 2002).

11.3 RESULTS

11.3.1 Wildlife Log

The Project field staff maintained a field observations log for the duration of the study. In 1999 field staff were active both in the Lupin/Contwoyto Lake area as well as the Carat Camp area. The Carat Camp was also occupied full time by a security/maintenance person. Wildlife observations by all Project staff were recorded: pilots, geologists, and environment investigators. The observations provide a valuable inventory and profile of bird and mammal activity in the Project area. All observations are reproduced in a location specific log and can be found in the Wildlife Report (Appendix B.1.3).

11.3.2 Birds

11.3.2.1 Introduction and regional overview

The pulse of increased energy that comes with longer daylight hours and warmer temperatures during the spring also signals the return of migratory birds to their tundra breeding ranges. Ptarmigan return from treeline and the boreal forest; waterfowl return from Atlantic and Pacific coastlines; raptors return from the prairies, deserts, and savannahs of the southern United States, Mexico, and Central and South America. Summer conditions in the Arctic provide optimum breeding conditions for many migratory species. Long daylight hours combined with abundant food provide summer residents in the region more time to feed the young at the time when food is most in demand (Welty, 1962).

Species range maps of birds in northern Canada like those prepared by the National Museum of Canada (Godfrey, 1966) show that the Jericho Diamond Project is located within the ranges of 64 bird species (see Table 11.1). Three species on the list are considered transients as their observation in the Project area is outside the known breeding range from the species: bald eagle, northern harrier, and greater scaup. All but eleven species in Table 11.1 are included in the *Migratory Birds Conventions Act (Canada)* and so are a federal responsibility. The species which are the responsibility of the Government of Nunavut are ptarmigan (2 species), raven, and birds of prey including owls (8 species). The common names of birds used in this discussion follows the names used by the American Ornithologists Union (National Geographic Society, 1987).

The Project site is not on any major flyway of migratory birds. As well, only minor staging areas occur any where near the Project location.

11.3.2.2 Local observations

Song Birds

The group of birds discussed as “song birds” includes all species other than waterfowl and raptors. These latter two groups are discussed separately below.

Weather conditions at the time of the ground reconnaissance for examining bird species’ distribution in 1999 were not conducive to “bird watching”. Cool, blustery, and cloudy conditions with frequent showers, including snow showers, prevailed every day of the 1999 bird reconnaissance work in the Project area. These conditions notwithstanding, numerous birds were observed which confirmed observations reported for previous field work in the area. In addition to recording the species present in the areas slated for development, particular attention was also paid to terrain and habitat conditions that may require special attention for impact mitigation measures. Observations made in 1999 at each of the areas of infrastructure proposed for the Project are discussed separately.

11.3.2.3 2000 Breeding Bird Surveys

The breeding bird survey conducted June 30 - July 3, 2000 provided relative densities of song birds in 11 different locations in and around the Project area. Results are provided in Table 11.2. Locations of breeding bird transects are shown on Figure 11.1.

11.3.2.4 Waterfowl

Waterfowl are uncommon in the Project area. No waterfowl were observed on Lynne Lake (winter road route) or Long Lake. A pair of Arctic terns and two red throated loons were a common sight in the outflow of Carat Lake all summer long; a pair of long-tailed jaegers also nested here in 1999. It is noteworthy that Carat Lake was still 60 percent ice covered on July 3, 1999. A pair of red-breasted mergansers were observed on the lowland pond immediately east of the airstrip on July 3. On August 9, 1999 two adult oldsquaws with six ducklings were seen on the pond adjacent to the road immediately south of the airstrip.

11.3.2.5 Raptors

The Willingham Hills and the Peacock Hills to the east of Contwoyto Lake provide more nesting habitat for raptorial birds and ravens than does the surrounding rolling countryside adjacent to most of Contwoyto Lake and the area west of the Project toward Rockinghorse Lake. It is for this reason that raptors are a significant element in the fauna of the Project area.

The raptors present in the Project area show similar nest site requirements and it is for this reason that a site may be occupied by different species in successive years. Golden eagles, ravens, and rough-legged hawks build stick nests and may add more material every season the site is used. These sites may be used by falcons in some years. Falcons do not seem to do any nest building other than scrape the nest site in preparation for egg-laying.

The first inventory of raptor nest sites in the Willingham Hills was completed for the Jericho Diamond Project in 1995, when a thorough and comprehensive inventory was completed (Canamera, 1995 unpublished). Nest sites were assigned location codes in 1996 (please see Figure 11.1; Canamera, 1996). The 1999 and 2000 nest site surveys were conducted on July 16 and 20 respectively. In 1999 three sites were occupied by peregrine falcons. At J1 the adult bird would not leave the nest so productivity observations could not be made there. At J9 one peregrine chick was observed and at J19 there were four eggs. Rough-legged hawks occupied four sites. J3 had at least 2 chicks, J8 had at least 1 chick, J15 had 1 chick and J18 had 2 chicks. In 2000, roughlegs occupied J2, J3, J9, and J21; peregrines were in J1, J5, J7, J15, J19 and J20; golden eagles nested at J4 and J11.

11.3.2.6 Previous bird studies

The observations reported here complement those of previous studies conducted in association with the Jericho Diamond Project since 1995. Several additional observations are noteworthy. Bird counts in 1995 along the watercourse between Carat and Jericho Lakes (adjacent to the airstrip) were dominated by white fronted geese and herring gulls. Unfortunately, dates of the observations are not provided. In 1996 two bald eagles were observed 8

km north of the Project area soaring over the esker there. A northern harrier was observed in the Project area in 1996. In both cases nests and other evidence of breeding for these latter two raptor species have not been found in the Project area.

11.3.2.7 Summary - birds

Some 67 species of birds can be expected to be observed in the greater area of the Jericho Diamond Project based on compendia and range maps of birds species of northern Canada, and observations made during the course of work related to the Project. Of these, 42 species have been observed in the Project area since 1995 (please refer to Table 11.1). None are listed as "endangered", "threatened", or "vulnerable" by the Committee on the Status of Endangered Wildlife in Canada. Also, none have been observed to be breeding in the Project area in concentrations that would place special significance on the habitat in the Project area for any population of bird species observed there.

11.3.3 Mammals

11.3.3.1 Introduction and regional overview

The mammal species of the region represent the full assemblage of mainland tundra mammals. All have adapted to the sub-arctic climate in which the winter is a period of reduced food availability. The ground squirrel hibernates. The grizzly goes into a long period of torpor, when its metabolic rate is much reduced so it does not need to hunt and scavenge when food is very scarce. Caribou migrate to the boreal forest. True year round residents are the muskox, which searches for snow conditions favorable for winter grazing, the microtines and ermine which live under the snow, and the hare, which lives in areas that offer both shelter and windblown vegetation. The remaining carnivores (fox, wolf, and wolverine) hunt and scavenge over very large areas for winter food. Wolves also follow caribou herds to the boreal forest.

The Project area hosts 16 mammal species (indicated on Table 11.3). The names of mammals in this discussion follow the naming and classification provided by Banfield (1977).

11.3.3.2 Small Mammals

Small mammals are a significant item in the diet of most tundra predators, both bird and mammal. Tundra raptor populations fluctuate in response to mammal prey abundance (Shank, 1997), as do the populations of Arctic foxes (Macpherson, 1969). In this context small mammal refers to all mammal species up to, and including, the size of Arctic hare.

Systematic studies of microtine rodents were initiated in the Jericho Project area in 1999 to determine their relative abundance in the major habitat types of the Project area. Only two species were collected by snap trapping: the tundra redback vole and the Greenland collared lemming. Table 11.4 shows the results of these collection efforts. Data are presented in the format established by Shank (1997).

The tundra red-backed vole was the most common microtine captured in environmental baseline studies at Diavik. They were most abundant in boulder field and tall shrub type habitat. This was attributed to the greater snow accumulation characteristic for these habitats (Diavik, 1998).

Ground squirrels

Ground squirrels are the most commonly observed mammal throughout the summer months in the Project area. They seem to occur wherever ground conditions permit burrows and so are very common in areas where the landscape includes fine soil deposited by glaciers. Ground squirrels are common in the three major habitats sampled for microtines. In addition to digging burrows in granular terrain, it is common to encounter them in rock piles as well. This tundra mammal seems to adapt quickly to camps, as they burrow under buildings and tent frames and can be observed packing nesting materials and other provisions to their burrows in preparation for hibernation.

Arctic hares

Arctic hares are not as common as the ground squirrels, but are found in the Project area. Hare feces were frequently observed while conducting the caribou trail traverses, which suggests they occupy all terrestrial habitats within the Project area. Studies in 1996 reported hare feces in rocky upland tundra, grassy birch meadow, outcrop highland, and esker terrain types (Canamera, 1996).

Summary - small mammals

The Project area hosts the normal assemblage of small tundra herbivores. The numbers and abundance of lemmings and voles fall within the range reported for these species elsewhere on Canada's mainland tundra (Shank, 1997).

11.3.4 Carnivores

The mammal species for the Project area show that it is within the geographic range of seven carnivore species: least weasel, short-tailed weasel, wolverine, Arctic fox, red fox, wolf, and grizzly bear. Active searches were made throughout the Project area for carnivore dens. Also, all carnivore activity observed was recorded in the Wildlife Log for the Project area. Least and short-tailed weasels were not observed in 1999 and 2000.

11.3.4.1 Wolverine

No den was found in the Project area, but a wolverine was observed near the inflow to Carat Lake on 15 July, 1999.

11.3.4.2 Arctic fox

No dens were found within the Project area and no observations were recorded.

11.3.4.3 Red fox

A den east of the airstrip and near the east shore of Lake O1 was occupied in 1999 (see Figure 11.2). Periodic observations of the den in July showed at least three young fox there July 10 and again July 25, 1999. Only one was

observed outside the den 30 July. Low microtine numbers would affect fox productivity as severely as it would raptor success. No sign of current year occupation was noted when this site was checked on July 3, 2000.

113.4.4 Wolf

No active wolf dens were found in the Project area in 1999 and 2000. The GNWT RWED wolf telemetry collar monitoring program did not retrieve any wolf data relevant to the Project area in 1999, prior to collar demobilization in June (Dean Cluff, personal communication).

11.3.4.5 Grizzly bear

The first grizzly activity for the year was recorded for April 24, 1999 in the Lupin area. No maternity dens were noted during aerial reconnaissance of the Project area in April and May 1999 (the period when sows with cubs normally emerge in spring). Also, no sows with cubs were observed in the Project area in 1999. The GNWT grizzly telemetry collar monitoring program did not retrieve any grizzly data relevant to the Project area in 1999, prior to collar demobilization in June (Dean Cluff, personal communication).

11.3.4.6 Summary - carnivores

The known fox and wolf densities are outside the Project "footprint". The active and vigilant incineration of waste by Carat Camp personnel and the electric fence there seem to be effective practices for reducing or preventing interaction with grizzly bears at the Carat camp.

11.3.5 Ungulates

11.35.1 Muskox

Project personnel observed muskox from time to time when flying to and from Lupin. Observations were also recorded on aerial surveys over the Project area. Table 11.5 shows the dates of surveys, locations, and muskox observed.

11.3.5.2 Caribou

Studies of caribou in the Project area were conducted at a local and regional scale. Local studies took the form of regular aerial surveys on set transect lines, plus observations of caribou activity in the Project area. Regional reconnaissance flights were completed to complement local observations. The idea being: to assess how local observations of caribou concentrations fit the larger pattern of caribou movements / distribution around the NW end of Contwoyto Lake; or to determine whether observations of large concentrations were singular local events. These data are supplemented by location data obtained from satellite collars on female caribou monitored by RWED-GNWT.

Project area surveys and observations

The survey for late October, 1999 was cancelled due to poor weather for aerial surveys. Aerial observations are presented in Table 11.6.

Numerous observations of caribou concentrations in the Project area have been made over the course of field studies, significantly adding to the observations made during transect surveys.

Regional surveys

Regional surveys were usually conducted in response to a change in caribou presence at Lupin and Carat as well as at the time of the transect surveys in the Project area. The observations recorded are summarized in Table 11.7. The distribution of animals observed on regional surveys are provided in survey specific maps in the Wildlife Report (Appendix B.1.3).

Bathurst herd range wide observations - 1996 - 2000

The satellite telemetry data sets generously provided by GNWT - RWED provide an overview of the movements and distribution of the Bathurst herd on a seasonal and annual basis. Satellite collar data received provide movements of 23 individual adult caribou females. Satellite telemetry collars were first deployed on Bathurst caribou in the spring of 1996. The radio in the collar provides location signals for the caribou on a pre-programmed schedule ranging from once per day to once every seven days. These are relayed by satellite to an earth receiving station for transfer to Department of Resources, Wildlife and Economic Development (RWED). The quality of the data varies and so all the locations are not necessarily "pinpoint" accurate. In aggregate, however, they provide the most comprehensive and economical overview of the movements and distribution of individual animals that is available.

Caribou are gregarious in habit and so taken together, the locations of all the collared females is the best approximation available on the month to month and season to season distribution of the herd for those seasons when the various cohorts of the herd occupy the same range. It must be emphasized that the data are provided by collars on adult females only. For the periods of the year that herds are mixed (late summer, fall migration and rut, and winter - August to March), those data may also be relevant to the whole herd; but that is not the case for the remainder of the year when the pregnant/lactating cows may be segregated from the rest of the herd during spring migration to the post-calving period (mid-March to late July).

Caribou Trails

The presence of caribou trails throughout the Project area shows that large concentrations of caribou have passed through this area on numerous occasions during the snow free season in the past. Caribou trails are generally oriented in a pattern parallel to the dominant topographic features of the general landscape; along a lake shore or along an escarpment. Where abrupt topographic relief is encountered however, it is not unusual for the trails to

coalesce into a concentrated hard packed track that traverses the particular topographic feature. This is amply demonstrated in trails crossing the valley for the proposed winter road route. Also, it is not unusual to see trails funnelling into tracks among outcrops, as can be observed at the east end of Long Lake, where the effect can be identified on a 1:10,000 scale aerial photograph. In areas where there is little or no topographic influence on where a caribou can walk, it is not uncommon to see a large "fan" of trails crossing level terrain.

Observations made during the life of the Project since 1995, and summarized above, show that caribou movements through the area are both northerly and southerly. Herds, thousands strong, come from the southwest (June 24 and August 9, 1999) as well as from the north (June 26 / 27, 1996). Concentrations of caribou can include calves within the post-caving period (June 26 / 27, 1996 - movement from the north) or calves may be absent in that period (June 24, 1999 - movement from the south). Herds with calves can appear from either direction (from the north - June 26 / 27, 1996; from the south - August 9, 1999).

The underlying assumption in the 1999 trail mapping effort was that the presence of trails shows the locations and routes where a significant flow of caribou should be expected during periods of high caribou numbers in the Project area. This information can help predict locations for major interactions between the Project and migrating caribou, as well as point to use of caribou deflection structures, if these are found to be effective mitigation measures (CEAA, 1999).

Figure 11.3 shows the distribution of trails as mapped during the traverses shown on Figure 11.1. It shows that trails are found throughout the area between Carat Lake and Contwoyto Lake.

Summary - caribou

The information above shows the importance of scale to understanding caribou – scale in both time and space. The data from the transect flights over the Project area alone could suggest that caribou are rare and infrequent visitors to the Project area. This would not explain the high density of trails that are an indelible record of the caribou's use of, and movements through, the Project area. When all the data are considered a picture emerges that shows caribou being absent or nearly absent from the onset of the fall migration through the winter until early to mid-April, when the anecdotal record in the wildlife log and surveys shows tracks in the area and small bands of caribou moving through the Project area to the north and northeast. Not until May 10 were more than 100 animals observed on a regional survey. Herds of 100 or more became daily observations at the Carat camp in mid-May and lasted until late May when group size fell to single and low double digit values. A similar pattern can be seen in the wildlife log for Lupin on Contwoyto Lake. Caribou and caribou tracks there were first recorded in mid-April. The first herd of up to 100 was recorded on May 9. Herds of 100+ were recorded daily until May 25 when group size dropped to single and double digits with no large numbers recorded again until 25 June when several herds of several thousand animals without calves (except one) were observed to move through the Lupin area in a five day span. These herds were all moving in a northwesterly trend. Similarly, a large herd of "thousands" moved north through the Carat camp area on June 26; it also had no calves. This was repeated June 27 and 29, 2000.

Caribou presence in the Project area during July and August seems to be episodic. Observations of caribou at Carat camp for this period seemed to suggest that caribou moved through the Project area to get around Contwoyto Lake. At no time in 1999 and 2000 were caribou observed to fan out over the local tundra for feeding / resting cycles as would have been the case on June 26 / 27, 1996. The wildlife log for August 9 - 15, 1999 shows only three of 12 entries that indicate caribou feeding in the Project area.

Caribou presence in the Project area should be expected during spring migration, calving (for elements of the non-calving cohorts of the herd), post calving, and the early days of late summer. Caribou presence in the Project area in these seasons in large numbers should be expected for short durations. Events when large numbers stay for several days will be less common.

12.0 RARE AND ENDANGERED SPECIES

No rare, threatened, or endangered species are expected to be found in the Project area. COSEWIC lists are included in Attachment 12.1.

13.0 AQUATIC BIOTA

Aquatic biota are discussed in detail in the aquatic baseline reports prepared by RL&L for Tahera Corporation in 1995 to 1999 and 2000 (Appendix B.1.4). Results are summarized in this section.

13.1 BACKGROUND

At Jericho, RL&L Environmental Services Ltd. completed baseline inventories of the aquatic biota during: the spring, summer, and fall of 1995 and 1996; the spring of 1998; the spring, summer, and fall of 1999; and the summer and fall of 2000. Water bodies were chosen for investigation, based on the potential for impacts caused by the development of the Jericho kimberlite pipe, either as a stand-alone or satellite operation.

The objectives of baseline inventories of aquatic biota were:

- to describe the seasonal abundance, distribution, and biological characteristics of nonvertebrate communities (benthic macroinvertebrates, zooplankton, phytoplankton, and periphyton) found in water bodies in the Jericho study area;
- to describe the seasonal abundance, distribution, and biological characteristics of fish species found in water bodies in the Jericho study area, as well as the habitat used by these fish;
- to assess the importance of water bodies (that may be impacted by development) to fish populations residing within, immediately downstream, and upstream of the proposed development:
    - develop population estimates for fish residing in water bodies that may be directly impacted by development;
    - quantify the amount of fish habitat that will be removed from production in lakes and streams that may be directly impacted by development;
    - quantify the trophic status of lakes that may be directly impacted by development;
- to initiate a monitoring program designed to collect scientifically defensible pre-development baseline data for selected components of the aquatic biota (and abiota) from water bodies immediately downstream of potential contaminant sources and from control sites not impacted by development.
    - quantify background levels of sedimentation;
    - quantify species composition, density, and productivity of periphyton;
    - quantify species composition and density of benthic macroinvertebrates;
    - document background concentrations of metals in tissues of fish collected from selected water bodies.

Baseline inventories were undertaken in all water bodies potentially impacted by development. The monitoring program was conducted in specific areas that would potentially be directly impacted by development. As well, fish

tissues, benthic macroinvertebrates, and periphyton communities were collected at control lakes, which were located outside of the proposed development area. The names and locations of all sampled water bodies are shown in Figure 13.1.

Activities carried out during each sampling period are summarized below:

Year	Lakes	Streams
1995	4	16
1996	12	56[a]
1998		8
1999	6	9
2000	7	4

[a] An additional 57 streams were investigated for a potential all-weather route.

The tasks completed in study area water bodies are summarized in Table 13.1.

13.2 LIMNOLOGY

13.2.1 Methodology

Limnological data were collected during the open water period at locations listed in Table 13.1. Limnology studies at Jericho included measurements of the morphological characteristics, temperature and dissolved oxygen profiles, water transparency, and pH and conductivity measurements. Temperature and dissolved oxygen measurements were taken at 0.5 m intervals to within 0.5 m of lake bottoms to avoid contaminating the probe with sediment. Water transparency was measured to the nearest 0.1 m using a standard Secchi disk. As well as morphological characteristics, bathymetric surveys were completed for ten lakes (Carat, D4, D5, D10, C1, C2, C3, O1, O2, and Jericho Bay of Contwoyto Lake).

13.2.2 Results

With the exception of Contwoyto, Carat, Jericho, and C3 Lakes, water bodies at Jericho are generally small, shallow, exhibit simple basin morphology (one or two basins), and all have low shoreline development ratios. Temperature profiles recorded during mid-summer suggest that only the deeper water bodies (Carat Lake) or water bodies protected from wind action (Lake O3) stratify during the open water period. Most lakes in the study area continuously mix during the summer.

Surface water temperatures recorded for lakes in the summer were between 9° and 15°C; with the largest water body (Contwoyto Lake) exhibiting the coolest temperatures (9°C). All water bodies in the Jericho area are well oxygenated and transparency is high; characteristics that are typical of oligotrophic sub-Arctic lakes. Extremely low oxygen levels (anoxia conditions) were not recorded in any of the lakes.

13.3 PLANKTON

13.3.1 Methodology

Phytoplankton were collected during the open water period at locations listed in Table 13.1. Vertical collections using an integrated sampling tube were taken from the euphotic zone of the lake, which is equal to the depth to which 1% of the light will penetrate. A single sample, consisting of a composite of five separate collections, was collected at each site.

Zooplankton samples were collected at the same time and locations as phytoplankton samples. The depth of each vertical haul was equal to that for phytoplankton. Zooplankton collections were made with a Wisconsin plankton net. Each sample consisted of a composite of between three and five separate hauls taken at each site.

13.3.2 Results

13.3.2.1 Phytoplankton

During 1995 and 1996, lakes in the Jericho area had similar phytoplankton communities that generally exhibited low densities. These results are indicative of oligotrophic or low nutrient conditions. In general, golden-brown algae (Chrysophyta) had the greatest biovolumes. This is consistent with a broad-based regional survey of 153 lakes, rivers, and pools in the Northwest Territories conducted by Moore (1978).

13.3.2.2 Zooplankton

In 1995 and 1996, lakes in the Jericho area had generally similar zooplankton communities that exhibited low densities. As for phytoplankton, these results were indicative of oligotrophic or low nutrient conditions. Species abundance varied between summer and fall, which suggested a successional change in the zooplankton community.

13.4 STREAM PERIPHYTON

13.4.1 Methodology

Periphyton samples were collected during the open water period at locations listed in Table 13.1. In 1995 and 1996, the periphytic community in streams was sampled during the summer period to assess the periphyton community composition and to measure chlorophyll *a* and ash-free dry mass (AFDM), which are indicators of productivity. Three replicate samples were collected at each site. Each replicate consisted of scrapings from the surface (5 cm^2) of stones, selected at random, from the stream bottom. All samples used for algal identification, enumeration, and AFDM were placed in separate opaque containers and preserved. Samples for chlorophyll *a* analysis were filtered, covered with anhydrous $MgCO_3$, and frozen. In 1999, lake shoreline areas were added to the sampling program in addition to stream sites. The methodology used in 1999 was also modified to account for natural variation in the samples. A single periphyton sample was collected from each site, but this sample consisted of a composite of five scrapings.

13.4.2 Results

In 1995 and 1996, the periphytic algal community in each stream was unique; differences in both species and density were recorded. Differences in micro-habitat (e.g., depth, flow velocity, and substrate composition) likely accounted for this variability. Chlorophyll *a* and AFDM values at all sites were consistently low, which is an indication of nutrient poor oligotrophic conditions.

13.5 BENTHIC MACROINVERTEBRATES

13.5.1 Methodology

13.5.1.1 Lakes

In 1995 and 1996, benthic macroinvertebrates were sampled from sites located in littoral (<5.0 m depth) and profundal (>5.0 m depth) zones of selected lakes during the summer. At each site, a minimum of three replicate samples were collected using an Ekman grab sampler. In 1999, the sampling methodology was modified; one sample that consisted of a composite of five grabs was collected at each site. Benthic macroinvertebrate data were collected during the open water period at locations listed in Table 13.1.

13.5.1.2 Streams

In 1995 and 1996, benthic macroinvertebrates were collected from stream sites during summer (Table 13.1). Five replicate samples were collected at each site using a modified Surber sampler. The substrate within the area enclosed by the sampler was thoroughly stirred by hand to a 5 cm depth to dislodge the invertebrates (larger stones were individually cleaned and rinsed). Due to ephemeral water flows and large substrate size that caused logistical constraints, benthic invertebrates sampling in study area streams was discontinued in 1999.

13.5.2 Results

13.5.2.1 Lakes

Mean densities and mean number of taxonomic groups of benthic macroinvertebrates were generally greater in the littoral (shallow) zones than in the profundal (deeper) zones. This reflects the higher productivity of shallow water habitats due to higher water temperatures and greater light penetration. Extremely low oxygen levels (anoxia conditions) were not recorded in the profundal zones; it was not a factor in benthic macroinvertebrate production at the time of sampling. The benthic macroinvertebrate community structure was indicative of a short growing season and a homogeneous substrate dominated by fine sediments. The benthic macroinvertebrate communities of lakes were generally similar. Taxa exhibiting the highest densities were chironomids (midges), oligochaetes (aquatic worms), and nematodes (round worms).

13.5.2.2 Streams

There were differences in the macroinvertebrate community among sampled streams at Jericho. This was true within a given year and among years. These differences were likely related to changes in micro-habitat (e.g., depth, flow velocity, substrate composition). In general, the benthic macroinvertebrate communities in the streams within

the Jericho study area were representative of sub-Arctic systems. The species composition and low densities are indicative of oligotrophic systems.

13.6 FISH

13.6.1 Methodology

13.6.1.1 Fish Sampling

Lakes

Investigations in lakes focused on determining species composition and relative abundance. Following capture, fish of selected species not required for other aspects of the program were tagged using numbered Floy anchor tags and released. Information for fish populations were collected during the open water period at locations listed in Table 13.1.

Fish sampling in lakes was undertaken during summer and fall. The primary fish capture method used was standard gang gill-netting. Each gang consisted of six panels (15.2 m x 2.4 m each) of sinking monofilament nylon netting of the following stretch mesh sizes: 1.9 cm, 3.8 cm, 6.4 cm, 8.9 cm, 10.2 cm, and 12.7 cm.

In summer, a variety of habitats were sampled. During fall, sites were chosen based on their potential as spawning habitat for species such as lake trout and Arctic char. This approach was taken in an attempt to identify important spawning sites. Catch rates were assessed by dividing the number of fish captured by a net-unit (i.e., 100m^2 surface area of net fished for the equivalent of a 12-hour period constitutes one net-unit of effort). Catch-per-unit-effort (CPUE) was expressed as the number of fish (by species per net-unit).

Additional capture techniques were employed during lake sampling. For larger size-classes of fish, angling with lures was used. Standard gee traps were used in rocky shoreline areas to capture smaller size-classes of fish in habitats not effectively sampled by gill-netting.

In 1999, fyke-net sampling was also employed in an attempt to capture smaller size-classes of fish in near-shore areas of Carat Lake. The Arctic fyke-net consisted of two trap nets (to determine direction of movements), two 15 m wings, and a 30 m lead to shore. The traps were 3.7 m long and 0.9 m wide, contained two throats (15 x 25 cm each), and were constructed of 1.27 cm dark grey knotless nylon mesh.

In addition to survey level sampling using the above techniques, attempts were made to document population size for the larger size-classes of lake trout and Arctic char in selected water bodies that may be directly impacted by development. Intensive sampling (gill nets and angling) was employed and the data were analyzed using standard mark-recapture methodology (Peterson single Census Model; Ricker 1975).

Streams

During spring and summer periods, fish sampling was conducted in representative sections of streams to assess fish species composition, relative abundance, and habitat use (spawning, rearing, feeding, and movements). During spring, surveys were undertaken on all streams that were associated with study area lakes. During summer, surveys were limited to streams that contained flowing water and potential fish habitat. A variety of sampling methods was used to document the presence of fish in streams; these included visual observations, snorkeling, backpack electrofishing, and angling. The specific methods utilized depended on habitat conditions and stream discharge at the time of sampling. The backpack electrofisher employed during sampling was a Smith-Root Type XII, which is specifically designed for use in low conductivity water. Information for fish populations in streams were collected from locations listed in Table 13.1.

Estimates of fish population size were also generated for selected streams using a multi-pass removal-depletion method. Selected streams were those containing high densities of fish or those that may be removed from production, due to direct impacts from development. The estimates were based on a minimum of three removal runs within an isolated stream section.

13.6.1.2 Biological Characteristics

All captured fish were identified to species. Data recorded for each fish included fork length, weight, sex, and maturity. An appropriate aging structure was also collected from a representative sample of captured fish.

To determine feeding habits, stomach contents of fish that succumbed during sampling were analyzed in the field using the method described by Thompson (1959), which is a modification of the method used by Hynes (1950). Each stomach was examined and evaluated for fullness and allotted a designated number of fullness points (i.e., 20 points – full stomach; 0 points – empty stomach). After points were allocated for the degree of fullness, the stomach was opened, and points were allotted to individual food categories based on their volume.

13.6.1.3 Habitat

The shoreline habitat characteristics of lakes in the study area were described using a standardized habitat classification system, which categorized shoreline habitat into discrete habitat types based on three variables: slope, substrate type, and shoreline vegetation type. Lake habitat assessments were accomplished by circumnavigating each lake by boat. In addition to categorizing lake shoreline into habitat types, important features such as potential high quality rearing and spawning areas were identified.

The physical habitat available to fish in study area streams was also documented. During spring, a reconnaissance level survey was undertaken on the ground to identify streams that provided suitable fish habitat. Streams containing barriers to fish passage at their confluence, or those that were ephemeral (water flow only during snow melt or high rainfall events), were characterized as having no value to fish and were excluded from more detailed surveys.

Detailed surveys were undertaken during summer using a variety of methods. The physical habitat provided by streams was described using a classification system specifically developed for this purpose. Once the stream was described using this system, several parameters were quantified within representative sections. Cross-sectional transects across the stream channel were used to measure water depth, water velocity, substrate type, and stream width.

13.6.2 Results

13.6.2.1 Species Composition and Abundance

A total of seven fish species occur in the Jericho study area (Tables 13.2 and 13.3). These are: Arctic char, Arctic grayling, burbot, lake trout, ninespine stickleback, round whitefish, and slimy sculpin. A wide variety of age-classes of most species were recorded in lakes. However, most fish recorded in streams (all except ninespine stickleback and slimy sculpin) represented younger age-classes that utilized the watercourses for rearing purposes. Fish numbers were generally low in streams.

The fish community in specific lakes and streams varied, but some general patterns were apparent. Firstly, the fish community in each lake consisted of only a few species. Secondly, these simple fish communities tended to be numerically dominated by a single species; usually lake trout or Arctic char. Thirdly, the number of species encountered in a water body was related to lake size; smaller lakes contained fewer species. Finally, some fish species were present in low numbers or were entirely absent from other study area lakes, but were abundant in streams associated with these lakes.

13.6.2.2 Biological Characteristics

Fish populations in the Jericho study area exhibited biological characteristics that are typical of fish in sub-Arctic lakes. Length-frequency distributions for lake populations typically were bimodal with larger individuals dominating the sample. Sampled fish were slow growing and exhibited large variations in length at a given age. Fish also matured at a late age. These biological characteristics are typical of unexploited fish populations residing in sub-Arctic oligotrophic lakes that have low primary productivity (Johnson 1972).

13.6.2.3 Feeding Habits

Feeding habits of fish at the Jericho study area were dependent on food availability. The most prevalent food groups consumed by all fish species were zooplankton and chironomids. The feeding habits of fish were also related to species-specific food preferences. Lake trout and Arctic char from the larger water bodies (Carat, Jericho, and Contwoyto lakes) consumed fish as part of their diet. In contrast, benthic macroinvertebrates accounted for a large proportion of food items consumed by round whitefish.

13.6.2.4 Habitat and Habitat Use

Lakes

The characteristics of most lakes in the study provided the necessary habitats to support self-sustaining fish populations. Based on initial work undertaken in 1999, Lake C2 does not support fish and Lake D10 (Long Lake) supports only slimy sculpin. It is likely that the lack of extensive areas of deep-water in these two lakes reduces the availability of wintering habitat, thereby limiting their potential to support fish.

In most lakes, spawning habitat characterized by clean gravel to boulder-sized substrates was widely distributed in areas of sufficient depth to avoid freezing. These features are required by lake spawning species, such as lake trout (DeRoche 1969), Arctic char (Johnson 1980), and round whitefish (Scott and Crossman 1973). In contrast, rearing habitats in lakes were limited in distribution and abundance. Despite the paucity of rearing habitat in these sub-Arctic lakes, there is a sufficient amount to maintain fish populations. Quantitative habitat data for the lake that may be directly impacted by development (Lake D10) is currently being processed.

Streams

Streams in the Jericho area are generally small, ephemeral watercourses dominated by ill-defined channels and large substrates. Those that maintain water flow during the entire summer period freeze to the bottom during winter. As a consequence of these characteristics, fish utilized the habitat provided by these systems on an opportunistic basis and fish use was generally restricted to the lower sections. Spawning, rearing, and feeding habitats were present in varying amounts and were used by fish originating from lakes. Fish species that were recorded in surveyed streams included Arctic grayling (spawning and rearing), Arctic char (rearing), burbot (rearing), lake trout (rearing), ninespine stickleback (feeding), round whitefish (rearing), and slimy sculpin (feeding).

Few streams surveyed contained good quality habitat. A significant feature of the Jericho River was the presence of a cascade area located near the outlet of Jericho Lake. Although not an absolute barrier, this area creates a significant impediment to fish passage between the Jericho river system and lakes situated farther upstream. Quantitative habitat data for the stream that may be directly impacted by development (Stream C1) is currently being processed.

13.6.2.5 Fish Movements

Mark-recapture studies resulted in low returns. The limited recapture results suggest that there is little movement of fish between water bodies in the Jericho study area.

13.6.2.6 Pre-Operational Monitoring

The goal of the monitoring program is to collect scientifically defensible data for rates of sedimentation, metal concentrations in fish tissue, and biological productivity of benthic macroinvertebrates and periphyton communities. These data were collected from water bodies immediately downstream of potential contaminant sources, compared to nonimpacted reference sites, to ascertain if the development has a detrimental influence on the aquatic biological

community. Specific objectives of 1999 monitoring program were to collect pre-development data and to evaluate the effectiveness of the study design in achieving its goal.

Methodology

Sedimentation Rates

Two potential impact zones were chosen for monitoring of sedimentation; the outlet area of Stream C3 (tailings effluent source) and the outlet area of Stream C1 (mining activity effluent source). A third reference site was established in Carat Lake that is outside the immediate influence of these contaminant sources.

Sediment traps were placed in each of these sites at the beginning of the open water period and then retrieved just before ice formation in fall. Each trap, which was placed on the lake bottom, consisted of a plastic container (22cm x 22cm x 10cm; measured volume of 4830 cm^3) that was filled with large gravel/cobble substrates. Five replicate samples (traps) were retrieved from each site. The amount and composition of sediments at each site are currently being analyzed.

Fish Tissue

Attempts were made to collect fish tissues (i.e., dorsal muscle and liver) from selected lakes in the study area to document background metal concentrations. Two species were chosen, each of which represented principal trophic feeding types (lake trout – carnivores; round whitefish – bottom feeders). Tissue samples were collected from lake trout at Jericho, Carat, LC3, and Contwoyto Lakes, and from round whitefish at Carat and Jericho Lakes. Tissues were collected with sterilized instruments and retained in acid rinsed specimen containers or tissues cups. All tissue samples were kept frozen until the time of analysis.

To allow comparison of metal concentrations in fish tissue from the study area water bodies to those from lakes unaffected by future development, tissue samples were also collected from a control lake located 6 km west of the study area (Cigar Lake).

Periphyton and Benthic Invertebrates

Similar to monitoring of sedimentation rates, two potential impact zones were chosen for monitoring; the outlet area of Stream C3 (tailings effluent source) and the outlet area of Stream C1 (mining activity effluent source). In addition to these near-field impact zones, a third far-field impact zone was established near the outlet area of Carat Lake. For comparison purposes, two reference sites were established in a Control Lake situated upstream of immediate influence of contaminant sources.

Artificial substrates (plastic flower pots) were used to monitor periphyton. Artificial substrates were placed at each site at the beginning of the open water period and retrieved just prior to ice formation in fall. Five replicate samples were collected at each site; each replicate consisted of scrapings from the entire surface of the artificial substrate

(165 cm^2). Periphyton community dynamics (taxa composition and density) and productivity (chlorophyll *a* and ash-free dry mass) have not been assessed to date.

Benthic macroinvertebrates were sampled from sites located in the littoral zone (<5.0 m depth) once during summer. At each site, five replicate samples were collected using an Ekman grab sampler. Each replicate consisted of a composite of five grabs. The density and taxonomic composition of benthic macroinvertebrates have not been assessed to date.

Overview of Results

Preliminary data for fish tissues are presented below.

Results of some of the potentially toxic metals (aluminum, arsenic, cadmium, mercury, lead, nickel, copper, and zinc) are presented in the detailed Aquatic Baseline Report (Appendix B.1.4). Mercury concentrations in approximately 25% of trout muscle tissue found in Jericho Lake had levels equal to or higher than allowed for human consumption (2.5 µg/g). Muscle tissues from lake trout found in other study area lakes did not exceed this level, nor did muscle tissue concentrations in round whitefish.

14.0 AIR QUALITY

14.1 AMBIENT AIR QUALITY CONDITIONS

There are no direct observations of air quality at either Lupin or Jericho. Government of the Northwest Territories data for Daring and Snare Lake indicate undisturbed areas of the southern Arctic have PM-10 (suspended particulates 10 µm or less in diameter) concentrations of <10 $\mu g/m^3$, which is typical for other undisturbed sites measured in North America. This is also consistent with findings from EKATI™ (BHP 1995) and Diavik (1998) mines.

At Diavik, ambient concentrations of particulates, CO_2, SO_2, and NO_2 are normally low (CEAA 1999 [Comprehensive Report]). The Independent Monitoring Agency (IMA) for the EKATI™ Mine has not recorded air quality as a concern at the mine (IMA 1999). Dust generation may be problematic at EKATI™ only during spring freeze-drying of kimberlite ore. Routine watering procedures effectively control dust at other times.

14.2 TOTAL SUSPENDED SOLIDS AT EKATI

A study on suspended particulate matter conducted for Diavik at the BHP EKATI™ mine found the following:

Explosives Discharges

- very coarse material became airborne, but settled quickly and in the area of the pit;
- material >100 µm also settled quickly and in close proximity to the pit;
- TSP (30 µm) and smaller particles settled within about 200 m downwind of the blast source;
- the visible dust plume from a blast can rise over 100 m.

Road Traffic

- mine haul trucks produced minor to no visible emissions;
- utility and pickup trucks had more significant emissions;
- roads surfaced with lake sediments were more prone to visible dust;
- dust tended to settle within 100 to 200 m of the roads;
- dust occurred within the pits from use of drills; visible emissions dissipated within the pit area.

Dust on Vegetation

- dust sufficient to be dislodged from vegetation occurred to within 10 to 30 m of a traffic source (road or airstrip);
- dust within the visible range (100 to 150 m) did not have a widespread effect on vegetation.

14.3 EFFECTS OF DUST AT LUPIN MINE

Svoboda (1997) conducted studies on the effect of road and tailings pond dust on tundra plant communities at Lupin. He found roads produce two effects: increased dust and increased moisture from drainage ditches. Plant cover decreased away from the road margins, particularly on the leeward side of the road, due to moisture effects. There were no clear trends from road dust. Trends for the tailings pond were more evident with an increase in plant species diversity with increasing distance from the tailings pond to at least 100 m.

14.4 HIGHWAY DUST EFFECTS

Auerbach et al. (1997) studied effects on vegetation adjacent to the gravel Dalton Highway in northern Alaska. Highway traffic had generated dust for 15 years prior to the study. Levels of dust from the highway are considerably higher than would be generated by internal roads at a mine site, but the study is valuable in providing insights into the effects of long-term high dust levels on tundra vegetation. Auerbach et al. found earlier snowpack meltout near the road due to dust-induced albedo changes. Vegetation biomass of most taxa was reduced near the road (from 50 to 80%); some plant species were more tolerant than others, which accounted for the difference in biomass effects. For instance, non-acidic moss (*Tomentypnum*) was virtually unaffected by dust, whereas acidic *Sphagnum* moss was nearly eliminated near the road. Alteration of moisture regimes was found to be as important as dust in effecting roadside changes in vegetation in general.

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TABLES

TABLE 1.1
SUMMARY OF KEY LEGISLATION GOVERNING THE JERICHO PROJECT

Legislation	Jurisdiction	Governed Activities/Target Environments
Northern Inland Waters Act	Nunavut	Water Licence; use and disposal of water
Territorial Land Act	Federal	Leases on federal lands
Territorial Land Regulations	Federal	Land leases on federal lands
Canada Mining Regulations	Federal	Mine and mineral leases on federal lands
NWT Mine Health and Safety Act and Regulations	NWT/Nunavut	All mining operations; safety orientation
Nunavut Land Claims Agreement (NLCA)	Federal-Nunavut	Agreement providing for establishing regulatory bodies in Nunavut (NWB, NIRB, NWMB, NPC, SRT, DIOs [KIA])
NLCA	Federal-Nunavut	Under NIRB, establishment of a monitoring program pursuant to issue of a Project Certificate by the Minister of DIAND
NLCA	Federal-Nunavut	KIA administers surface rights access
Environmental Protection Act	Nunavut	Discharge of contaminants to air, water, land
Public Health Act	Nunavut	Public Health
Fisheries Act[1]	Federal	Destruction or alteration of fish habitat and fish populations
Canadian Environmental Protection Act	Federal	Air and water quality
Canadian Water Quality Guidelines	Federal	Receiving water quality
Canadian Drinking Water Guidelines	Federal	Drinking water quality
Canadian Air Quality Guidelines	Federal	Ambient air quality
Explosives Act	Federal	Natural Resources Canada permit to manufacture and/or store explosives (e.g. ANFO)
Navigable Waters Protection Act	Federal	No navigable waters will have obstructions to navigation constructed

NWB: Nunavut Water Board NIRB: Nunavut Impact Review Board NWMB: Nunavut Wildlife Management Board
NPC: Nunavut Planning Commission SRT: Surface Rights Tribunal KIA: Kitikmeot Inuit Association

[1] The Metal Mine Liquid Effluent Regulation (MMLER) is used to set effluent objectives for metal mines on federal lands in Canada. Although the MMLER may be used as a guide for diamond mines, it does not strictly apply.

TABLE 2.1 SUMMARY OF DENSITY OF INDIVIDUAL KIMBERLITE TYPES		
Facies/lobe	**Count**	**Density (tonnes/m^3)**
Center lobe	229	2.58
North lobe	261	2.57
South lobe	28	2.67
JDF2S	10	2.68
JDF1	145	2.57
Total	**673**	**Average 2.58**

TABLE 2.2 DIAMOND VALUATION BY CSO FOR BULK SAMPLE				
Valuation Date	**Lots Valued**	**Facies**	**Weight (Carats)**	**Value per Carat (US$)**
July 29, 1997 (i)	1, 2	6	4189.67	**57.97**
	3, 4	2N	331.18	**58.14**
	5, 6	6W	1794.66	**62.43**
November 17, 1997 (ii)	1	6	2227.60	**57.55**
	2	4N	1420.50	**47.74**
	3	2S	175.90	**45.03**
	4	4S	169.50	**44.69**
Total/Average			**10,139.51**	**57.70**

Notes i) July 29, 1997 – Diamonds >10.8 carats not included in value. A total of 234.07 carats later valued at $US30,000,
ii) November 17, 1997 valuation includes a total of 61.58 carats for stones >10.8 carats
CSO (Central Selling Organization) replaced by DTC (Diamond Trading Company)

TABLE 2.3 DIAMOND VALUATION BASED ON TERRAC AND ADTEC METHODOLOGY			
Valuation Date	**Facies**	**Weight (carats)**	**Value per Carat (US$)**
July 14, 1998	2 North	330.48	**76.65**
	2 South	175.327	**33.75**
	4 North	1419.033	**49.92**
	4 South	168.823	**38.73**
	6	6551.72	**77.52**
	6 West	1884.98	**62.01**
Total/Average		**10,529.63**	**69.65**

TABLE 2.4 THE COMPARISON BETWEEN THE WWW MODEL AND THE SRK MODEL		
Lobe	**WWW model (U$/ct)**	**SRK model (U$/ct)**
Size Model for the centre lobe and JDF2S	90.00	76.00
Size Model for JDF4 North lobe	71.00	60.00

TABLE 2.5 SUMMARY OF THE PQ DRILL DATA			
Lobe	**Stones per tonne**	**Carats per 100 tonnes**	**Carats per stone**
North – Upper (JDF4N)	21.48	88.04	0.041
North – Lower (JDF4N)	15.85	94.65	0.060
South (JDF4S)	15.43	48.88	0.032
Center (JDF6)	44.38	208.84	0.047
JDF2S	11.97	83.21	0.070
JDF1N	7.57	57.98	0.077

Note: i) Based on recovered stones >0.0106 carats (approximately 1.0mm CSO sieve).
ii) Upper and lower portion of North lobe separated at 390 meter level.

TABLE 2.6 JERICHO PROJECT – INDICATED RESOURCES (APRIL 26, 2000)						
Lobe	**Tonnage ('000)**	**PQ Grade Carats/t**	**Recovery (%)**	**Recover. Carats/t**	**Value US$/t**	**Value/t CDN$/t**
North-upper	603	0.88	88	0.77	46.20	66.99
North-lower	908	0.95	75	0.71	42.60	61.77
Centre	2,156	2.09	68	1.42	109.34	158.54
Subtotal	**3,667**	**---**	**---**	**2.90**	**198.14**	**---**

TABLE 2.7 JERICHO PROJECT - INFERRED RESOURCES (APRIL 26, 2000)						
Lobe	**Tonnage ('000)**	**PQ Grade Carats/t**	**Recovery (%)**	**Recov. Carats/t**	**Value US$/t**	**Value/t CDN$/t**
North-lower	484	0.95	75	0.71	42.60	61.77
Center	86	2.09	68	1.42	109.34	158.54
South	1,145	0.49	75	0.37	22.20	32.19
JDF2S	694	0.83	75	0.62	47.74	69.22
JDF1	992	0.58	75	0.44	26.10	37.85
Total	**3,401**		**---**	**0.52**	**---**	**---**

Note: i) Based on a density of 2.6 tonnes/cubic meter.
ii) Recovery of stones from PQ drilling correlated with bulk sample.
iii) Recovery of Center lobe used for South and North lobe.
iv) Exchange rate of US$1.00 = CDN$1.45.
v) Indicated for North lobe, above 300m level; Center lobe, >200m level; South lobe, >270m level.
vi) Value of US$77/carat used for Center lobe and JDF2S, US$60 used for North and South lobes.

TABLE 3.1
MINE MOBILE EQUIPMENT

Equipment	No.	Equipment	No.	Equipment	No.	Equipment	No.
Construction		Open Pit Operation		Plant Operation		Underground Operation	
Cat 777 Ore Truck	1	Cat 777 Ore Truck	7			Scooptram	3
Cat D300	2	Cat D300	-			Scissor Lift	1
Cat 992 Loader	-	Cat 992 Loader	1			Service Tractor	3
Cat 980 Loader	1	Cat 980 Loader	-	Cat 966E Loader	1		
Cat 5130 Shovel	-	Cat 5130 Shovel	1	Skid Steer Loader Cat 226	1		
JD992E Excavator	1	JD992E Excavator	-				
D10 Dozer	-	D10 Dozer	2				
D9 Dozer	1	D9 Dozer	1				
D6 Dozer	2	D6 Dozer	-	D6R Dozer	1		
6" Drill Cat 3406 Engine	-	6" Drill Cat 3406 Engine	3				
16G Grader	-	16G Grader	1				
824 RT Dozer	-	824 RT Dozer	1				
Cat C563 Packer	1	Cat C563 Packer	-				
Service Truck	1	Service Truck	1			Service Truck	
Fuel Truck	1	Fuel Truck	1			Fuel Truck	
Water Truck	-	Water Truck	1			Water Truck	1
Tractor and Lowboy	1	Tractor and Lowboy	1			Tractor and Lowboy	
Tandem	1	Tandem	1	Cat D300 articulating dump trk	1	Tandem (40 ton)	3
Pickup Truck	2	Pickup Truck	4	Pickup Truck	1	Pickup Truck	1
Bus	1	Bus	1				
Crane 22T	1	Crane 22T	1				
Compressor (800 cfm)	1	Compressor	-				

No. based on maximum use month for construction (May Year 1)

No. based on highest production month for production (Oct Year 2)

TABLE 5.1 PIT DESIGN PARAMETERS			
	Kimberlite	Granodiorite	Overburden
Slopes			
Inter-ramp < 100m	41 – 70 degrees	60 – 65 degrees	26.5 degrees (2:1)
Inter-ramp > 100m	41 degrees	60 degrees	--
Bench Configuration			
Bench height	10 m	10 m	10 m
Bench face angle (°)	70	85	--
Bench width (m)	8	8	--
Berm interval (m)	10	20 (double bench)	1
Ramp Configuration			
Gradient (%)	10	10	10
Width (m)	22 (14*)	22 (14*)	22 (14*)
Operating Limits			
Minimum mining width – pushback (m)	40	40	40
Pit bottom (m)	50	50	50

* Single lane ramp used for the bottom 500m of each pit shell.

TABLE 5.2
DESIGN PIT MATERIAL SUMMARY BY BENCH

Bench	Ore				Waste			Inferred	Total	Strip
Toe	Central	N.Upper	N.Lower	Total	Overburden	Granite	Precontact	LoGrade	Material	Ratio
Elev.(m)	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	(w/o)
500EL	-	-	-	-	-	-	-	-	-	-
490EL	-	-	-	-	46,534	4,746	-	-	51,280	-
480EL	-	-	-	-	508,799	750,341	-	-	1,259,140	-
470EL	-	-	-	-	708,690	1,302,404	13,000	23,400	2,047,494	-
460EL	41,600	-	-	41,600	318,292	1,366,544	72,653	93,600	1,892,689	44.5
450EL	70,200	59,800	-	130,000	5,400	1,488,608	132,600	166,400	1,923,008	13.8
440EL	83,200	62,400	-	145,600	-	1,229,613	137,800	153,400	1,666,413	10.4
430EL	88,400	75,400	-	163,800	-	1,130,081	135,200	153,400	1,582,481	8.7
420EL	101,400	97,700	-	199,100	-	879,546	104,336	163,800	1,346,781	5.8
410EL	96,200	94,459	-	190,659	-	796,110	116,633	153,400	1,256,802	5.6
400EL	93,600	57,698	-	151,298	-	616,546	109,038	158,600	1,035,481	5.8
390EL	96,200	35,683	-	131,883	-	544,518	101,198	165,842	943,442	6.2
380EL	98,800	-	14,028	112,828	-	371,918	102,439	154,106	741,291	5.6
370EL	98,800	-	6,315	105,115	-	319,321	93,413	129,783	647,632	5.2
360EL	101,400	-	137	101,537	-	225,607	89,279	71,458	487,881	3.8
350EL	88,400	-	-	88,400	-	188,598	88,694	48,115	413,806	3.7
340EL	90,510	-	-	90,510	-	122,327	51,650	20,805	285,292	2.2
330EL	92,595	-	-	92,595	-	81,187	37,446	748	211,976	1.3
320EL	94,741	-	-	94,741	-	21,312	21,532	-	137,585	0.5
310EL	79,886	-	-	79,886	-	646	7,657	233	88,422	0.1
Totals	**1,415,933**	**483,140**	**20,480**	**1,919,552**	**1,587,715**	**11,439,973**	**1,414,568**	**1,657,090**	**18,018,897**	**8.4**
Recovered Grade (ct/t)	1.42	0.77	0.71	1.25						
Recovered Carats	2,010,624.18	372,017.69	14,540.76	2,397,182.63						

TABLE 5.3
MINING SCHEDULE MATERIALS SUMMARY

Period	Q#	Waste Overburden Tonnes	Granite Tonnes	Precontact Tonnes	Total Tonnes	Low Grade SU-D Tonnes	F1N Tonnes	Ore Total Tonnes	CU-D Tonnes	NU-D Tonnes	NL-D Tonnes	Total Tonnes	Total Pit Total Tonnes	Phase*
OPEN PIT														
P2-Q1	5	373,121	50,000	16	423,137	-	-	-	-	-		-	423,137	St
P2-Q2	6	397,702	300,000	66,467	764,170	8,388	36,397	44,785	160,668	-		160,668	969,622	St, Pb
P2-Q3	7													
P2-Q4	8													
P3-Q1	9													
P3-Q2	10	452,329	1,663,373	165,752	2,281,454	107,947	176,950	284,897	67,210	16,440	-	83,649	2,650,000	St, Pb, Ult
P3-Q3	11	363,236	1,874,450	106,985	2,344,671	64,356	84,051	148,406	156,923	-	-	156,923	2,650,000	Pb, Ult
P3-Q4	12	1,326	1,353,511	85,571	1,440,408	44,837	27,985	72,822	95,880	30,896	-	126,777	1,640,006	Pb, Ult
P4-Q1	13													
P4-Q2	14	-	2,038,770	156,328	2,195,098	68,082	78,389	146,471	175,804	132,627	-	308,431	2,650,000	Pb, Ult
P4-Q3	15	-	1,906,082	193,368	2,099,450	132,818	148,072	280,889	42,953	230,451	-	273,404	2,653,743	Pb, Ult
P4-Q4	16	-	956,431	250,410	1,206,841	195,650	139,227	334,877	70,163	72,725	-	142,889	1,684,607	Ult
P5-Q1	17													
P5-Q2	18	-	657,678	93,413	751,092	62,788	139,796	202,584	98,800	-	20,343	119,143	1,072,819	Ult
P5-Q3	19	-	536,532	229,623	766,155	97,894	42,483	140,378	280,310	-	137	280,447	1,186,979	Ult
P5-Q4	20	-	103,145	66,635	169,780	836	146	981	267,222	-	-	267,222	437,984	Ult
Subtotals		**1,587,715**	**11,439,973**	**1,414,568**	**14,442,255**	**783,595**	**873,495**	**1,657,090**	**1,415,933**	**483,140**	**20,480**	**1,919,552**	**18,018,897**	
UNDERGROUND														
P6-Q1	21													
P6-Q2	22													
P6-Q3	23		57,000									57,000		
P6-Q4	24								50,000			50,000		
P7-Q1	25								82,500			82,500		
P7-Q2	26								82,500			82,500		
P7-Q3	27								82,500			82,500		
P7-Q4	28								82,500			82,500		
P8-Q1	29								82,500			82,500		
P8-Q2	30								82,500			82,500		
P8-Q3	31								68,600			68,600		
Subtotals			**57,000**						**613,600**			**670,600**		
Totals		**1,587,715**	**11,496,973**	**1,414,568**	**14,442,255**	**783,595**	**873,495**	**1,657,090**	**2,029,533**	**483,140**	**20,480**	**2,590,152**	**18,018,897**	

* Phases as follows:

St = Starter pit
Pb = intermediate pushback
Ult = ultimate pit

Ore types:

CU-D = Central lobe ore, recovered grade of 1.42 ct/t
NU-D = North Lobe upper ore, recovered grade of 0.77 ct/t
NL-D = North Lobe lower ore, recovered grade of 0.71 ct/tn
SU-D = South Lobe inferred material, recovered grade of 0.37 ct/t
F1N = North F1 facies inferred material, recovered grade of 0.44 ct/t

TABLE 5.4
EXPLOSIVES USE AT JERICHO

	OPEN PIT				UNDERGROUND			TOTAL
Date	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	
Low Grade Ore (mt)	44,784	506,100	762,300	344,000	-	-	-	**1,657,184**
Low Grade Ore (bcm)	17,225	194,654	293,192	132,308	-	-	-	**637,378**
Northern Ore (mt)	-	47,300	435,800	20,400	-	-	-	**503,500**
Northern Ore (bcm)	-	18,192	167,615	7,846	-	-	-	**193,654**
Central Ore (mt)	160,700	320,000	289,000	646,300	50,000	330,000	233,600	**2,029,600**
Central Ore (bcm)	61,808	123,077	111,154	248,577	19,231	126,923	89,846	**780,615**
Waste (mt)	416,502	5,249,650	6,066,600	1,687,100	57,000	-	-	**13,476,852**
Waste (bcm)	157,171	1,981,000	2,289,283	636,642	21,509	-	-	**5,085,605**
Overburden (mt)	770,824	816,891	-	-	-	-	-	**1,587,715**
Overburden (bcm)	428,236	453,828	-	-	-	-	-	**882,064**
Total Material (mt)	1,392,810	6,939,941	7,553,700	2,697,800	107,000	330,000	233,600	**19,254,851**
Total Material (bcm)	664,438	2,770,751	2,861,245	1,025,372	40,740	126,923	89,846	**7,579,316**
Anfo Use (LG Ore) kg	13,780	155,723	234,554	105,846	-	-	-	**509,903**
Anfo Use (NF Ore) kg	-	14,554	134,092	6,277	-	-	-	**154,923**
Anfo Use (CF Ore) kg	49,446	98,462	88,923	198,862	10,385	68,538	48,517	**563,132**
Anfo Use (Waste) kg	125,736	1,584,800	1,831,426	509,313	11,615	-	-	**4,062,891**
Anfo Use (OB) kg	141,318	149,763	-	-	-	-	-	**291,081**
Total Anfo Use (kg)	**330,280**	**2,003,302**	**2,288,996**	**820,298**	**22,000**	**68,538**	**48,517**	**5,581,930**

[a] All waste rock will be used for construction in Year 1

[b] Amount stored minus amount processed; stored ore leachate to Lake C1; N from PK to PKCA and Lake C3.

[c] All potential N available in ore assumed leached in process; amount to coarse kimberlite proportional to surface moisture volume.

[d] Assumes make up water = water lost; nitrogen lost proportional to water reporting to coarse and fines.

TABLE 6.1 PROCESS DESIGN CRITERIA		
Jericho Site Details		
Location	28 km NW of Lupin Mine Nunavut 66°N (lat) 111° 30'E (long)	
Altitude	400 to 600m above sea level.	
Ambient Temperatures Mean Average Air Temperature Maximum Recorded Minimum Recorded Annual Mean Rainfall Equivalent Average Evaporation	-45 to +24°C -11.5°C +31°C -54°C 300mm. 100mm.	
Maximum Wind Speed (design) Average Prevailing	110 km/hour 18 km/hour (NW)	
		Units
General Design Criteria		
Throughput	330 000	t/y
Annual Operating	365	Days
Plant Availability	90%	%
Running	329	Days
Plant Utilization	90%	%
Expected Running	296	Days
Actual Running	7 096	Hours
Required Feed rate to Make Call	46.5	tph
Design Process Rate	50 (dry)	tph

TABLE 6.2 ORE PROCESSING SCHEDULE										
Ore	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**	**Year 8**	**Year 9**	**Total**
	(Tonnes)									
Central Ore	34,000	330,000	330,000	323,100	330,000	330,000	330,000	22,400		2,029,500
Northern Ore				6,900				307,600	189,100	503,600
Total Ore Processed	34,000	330,000	330,000	330,000	330,000	330,000	330,000	330,000	189,100	2,533,100
Coarse Kimberlite (solids) (85% of feed)	28,900	280,500	280,500	280,500	280,500	280,500	280,500	280,500	160,735	2,153,135
Fine Kimberlite (solids) (15% of feed)	5,100	49,500	49,500	49,500	49,500	49,500	49,500	49,500	28,365	379,965
Total Kimberlite Processed	= total ore processed									

TABLE 6.3							
1995 - 2000 SURFACE WATER QUALITY SUMMARY							
	CL-02	CL-05	CL-06	CL-25	CL-26	CL-27	CCREM
	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	FW Aquatic
Physical Tests							
Conductivity	5-**13**-22	6.5-**33.8**-158	5.14-**8.05**-12	12-**17**-25	15-**20**-28	13-**17**-23	
Total Dissolved Solids	7-**10**-18	8-**11**-16	7-**10**-16	11-**11**-12	12-**14**-16	10-**13**-14	
Hardness CaCO3	4.6-**5.7**-8.2	4.18-**9.07**-61.4	4.19-**5.44**-7.8	5.85-**5.94**-6.02	6.97-**7.43**-7.7	6.43-**6.71**-6.95	
pH	6.06-**6.74**-7.73	6.19-**6.63**-6.92	6.16-**6.47**-6.76	6.44-**7.05**-7.93	6.55-**7.08**-7.88	6.47-**6.95**-7.63	6.5-9.0
Total Suspended Solids	<0.3-**1.8**-7	0.15-**1.41**-5.00	0.5-**1.1**-3	<3	<3-<**3**-3	<3-<**3**-4	Note 1
Dissolved Anions							
Alkalinity-Total CaCO3	5-**6**-8	3.7-**4.68**-6.2	3.2-**4.4**-6.2	5-**5.7**-6	5-**6**-7	5-**5.7**-6	
Chloride Cl	<0.5-**0.5**-0.9	<0.5-**3.36**-39	<0.5-**0.8**-1.6	<0.5-**0.4**-0.6	<0.5-<**0.5**-0.6	<0.5-**0.5**-0.7	
Sulphate SO4	<1-**1**-3	<1-**1.2**-2.1	<1-**0.9**-1.6	1-**1.3**-2	<1-**1**-2	<1-**1.5**-3	
Nutrients							
Ammonia Nitrogen N	<0.005-**0.006**-0.14	<0.005-**0.009**-0.028	<0.005-**0.013**-0.33	<0.005	<0.005	<0.005	1.37-2.20
Nitrate Nitrogen N	<0.005-**0.005**-0.19	<0.005-**0.177**-2.5	<0.005-**0.009**-0.042	<0.005-**0.005**-0.008	0.005-**0.007**-0.008	0.0025-**0.0048**-0.007	Note 2
Nitrite Nitrogen N	<0.001-**0.001**-0.002	0.0005-**0.001**-0.002	<0.001-<**0.001**-0.001	<0.001-<**0.001**-0.001	<0.001-<**0.001**-0.001	<0.001-<**0.001**-0.001	0.06
Total Dissolved Phosphate P	<0.001-**0.002**-0.008	0.0005-**0.0047**-0.027	<0.001-**0.002**-0.003	<0.001-**0.002**-0.003	0.001-**0.003**-0.006	0.001-**0.002**-0.004	
Total Phosphate P	<0.001-**0.004**-0.01	0.0005-**0.0077**-0.039	<0.001-**0.003**-0.005	0.003-**0.005**-0.007	0.004-**0.005**-0.007	0.003-**0.005**-0.009	
Total Metals							
Aluminum T-Al	0.007-**0.019**-0.038	0.015-**0.052**-0.38	0.012-**0.026**-0.036	0.011-**0.014**-0.016	0.029-**0.03**-0.031	0.022-**0.025**-0.027	0.1, pH>6.5
Antimony T-Sb	<0.00005-**0.00005**-0.00018	<0.00005-**0.00005**-0.00008	<0.00005-<**0.00005**-0.00005	<0.00005	<0.00005	<0.00005	
Arsenic T-As	<0.0001-**0.0001**-0.0002	0.00005-**0.00016**-0.00030	<0.0001-**0.0002**-0.0003	0.0001-**0.0001**-0.0002	<0.0001	<0.0005	
Barium T-Ba	0.0012-**0.0026**-0.005	0.00181-**0.0055**-0.0379	0.00153-**0.0034**-0.005	0.00101-**0.00125**-0.00145	0.00148-**0.00163**-0.00172	0.00156-**0.00161**-0.00168	
Beryllium T-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Boron T-B	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium T-Cd	<0.00005-**0.00006**-0.00012	<0.00005-**0.00005**-0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.000017
Calcium T-Ca	0.97-**1.18**-1.86	0.93-**2.39**-18.2	0.993-**1.189**-1.89	1.24-**1.25**-1.27	1.5-**1.61**-1.68	1.48-**1.54**-1.60	
Chromium T-Cr	<0.0001-**0.0024B**-0.0075	0.0001-**0.0025**-0.0075	0.0001-**0.0032**-0.0075	<0.0005	<0.0005	<0.0005	0.001-0.0015
Cobalt T-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Copper T-Cu	0.0009-**0.002**-0.005	0.0009-**0.002**-0.005	0.0008-**0.0028**-0.005	0.0006-**0.00067**-0.0007	0.0013-**0.0014**-0.0016	0.0012-**0.0013**-0.0014	0.002-0.004
Iron T-Fe	0.01-**0.02**-0.03	0.005-**0.025**-0.110	<0.01-**0.017**-0.03	<0.03	0.03-**0.04**-0.05	0.015-**0.023**-0.040	0.300
Lead T-Pb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005-**0.00025**-0.00063	<0.00005	0.001-0.007
Lithium T-Li	<0.001-**0.002**-0.008	<0.001-**0.004**-0.023	<0.001-**0.004**-0.008	<0.001	<0.001	<0.001	
Magnesium T-Mg	0.5-**0.63**-0.93	0.43-**0.84**-4.7	0.442-**0.544**-0.78	0.7	0.7-**0.77**-0.8	0.7	
Manganese T-Mn	0.0013-**0.0028**-0.0049	0.00153-**0.0059**-0.0477	0.0011-**0.0025**-0.0041	0.00152-**0.0025**-0.0037	0.00459-**0.00512**-0.00605	0.00277-**0.0034**-0.00436	
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00001
Molybdenum T-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.073
Nickel T-Ni	0.0001-**0.0003**-0.001	0.0003-**0.0005**-0.012	0.0002-**0.0006**-0.003	0.0001	0.0003-**0.00033**-0.0004	0.0003	0.025-0.150
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Potassium T-K	<2	<2	<2	<2	<2	<2	
Selenium T-Se	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	0.001
Silicon T-Si	0.23-**0.33**-0.66	0.22-**0.47**-2.35	0.22-**0.30**-0.46	0.21-**0.25**-0.32	0.34-**0.40**-0.45	0.35-**0.39**-0.45	
Silver T-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0001
Sodium T-Na	<2	<2-**2**-3	<2	<2	<2	<2	
Strontium T-Sr	<0.005-**0.0055**-0.011	<0.005-**0.0171**-0.1380	0.005-**0.008**-0.013	0.0037-**0.0038**-0.0039	0.0042-**0.0046**-0.0048	0.0040-**0.0043**-0.0045	
Thallium T-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Tin T-Sn	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

TABLE 6.3							
1995 - 2000 SURFACE WATER QUALITY SUMMARY							
	CL-02	CL-05	CL-06	CL-25	CL-26	CL-27	CCREM
	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	Min-Avg-Max	FW Aquatic
Uranium T-U	0.00008-**0.00018**-0.00025	0.0001-**0.00020**-0.00025	0.0001-**0002**-0.0003	0.00012	0.00019	0.00013	
Vanadium T-V	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Zinc T-Zn	<0.001-**0.002**-0.005	<0.001-**0.002**-0.012	<0.001-**0.002**-0.003	<0.001	<0.001	<0.001	0.030
Dissolved Metals							
Aluminum D-Al	0.003-**0.009**-0.022	0.012-**0.021**-0.033	0.005-**0.020**-0.035	0.007-**0.01**-0.012	0.016-**0.019**-0.020	0.017-**0.019**-0.021	
Antimony D-Sb	<0.00005-**0.00005**-0.00011	<0.00005-<**0.00005**-0.00005	<0.00005-<**0.00005**-0.00005	<0.00005	<0.00005	<0.00005	
Arsenic D-As	<0.0001-**0.00013**-0.0002	<0.0001-**0.0001**-0.0003	<0.0001-**0.0001**-0.0003	0.0001	<0.0005	<0.0005	
Barium D-Ba	0.00123-**0.0026**-0.005	0.00184-**0.00546**-0.0375	0.00123-**0.0034**-0.005	0.00099-**0.00122**-0.0014	0.00144-**0.00156**-0.00169	0.00152-**0.00158**-0.00164	
Beryllium D-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Boron D-B	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	
Cadmium D-Cd	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Calcium D-Ca	0.954-**1.17**-1.86	0.965-**2.285**-17.3	0.947-**1.19**-1.84	1.2-**1.22**-1.23	1.53-**1.63**-1.69	1.47-**1.53**-1.58	
Chromium D-Cr	<0.00005	<0.00005	0.0001-**0.0033**-0.0075	<0.00005	<0.00005	<0.00005	
Cobalt D-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Copper D-Cu	0.0008-**0.0023**-0.005	0.0009-**0.0024**-0.005	0.001-**0.003**-0.005	0.0006	0.0012-**0.0013**-0.0015	0.0012-**0.00127**-0.0013	
Iron D-Fe	<0.01-**0.01**-0.02	<0.01-**0.014**-0.04	<0.01	<0.03	<0.03	<0.03	
Lead D-Pb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Lithium D-Li	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Magnesium D-Mg	0.5-**0.6**-0.9	0.42-**0.81**-4.4	0.442-**0.547**-0.78	0.7	0.8	0.7	
Manganese D-Mn	0.00023-**0.0012**-0.0025	0.00046-**0.0048**-0.459	<0.0005	0.00113-**0.00179**-0.00287	0.00136-**0.00161**-0.00188	0.00042-**0.00083**-0.0012	
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Molybdenum D-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Nickel D-Ni	0.0002-**0.0003**-0.0005	0.0003-**0.0004**-0.0013	0.0003-**0.0004**-0.0007	<0.0001-**0.0001**-0.0002	<0.0005	<0.0005	
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Potassium D-K	<2	<2	<2	<2	<2	<2	
Selenium D-Se	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	
Silicon D-Si	0.22-**0.32**-0.65	0.20-**0.44**-2.23	0.205-**0.294**-0.49	0.2-**0.26**-0.35	0.34-**0.39**-0.44	0.35-**0.36**-0.38	
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Sodium D-Na	<2	<2	<2	<2	<2	<2	
Strontium D-Sr	<0.001	0.0051-**0.0165**-0.133	0.0042-**0.0082**-0.013	0.0037-**0.0037**-0.0038	0.0042-**0.0046**-0.0049	0.0040-**0.0043**-0.0046	
Thallium D-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Tin D-Sn	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Uranium D-U	<0.00005	<0.00005	<0.00005	<0.005	0.00017	0.00012	
Vanadium D-V	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Zinc D-Zn	<0.001-**0.002**-0.007	<0.001-**0.002**-0.01	0.001-**0.002**-0.004	<0.001-<**0.001**-0.001	<0.001-<**0.001**-0.001	<0.001	
Organic Parameters							
Total Organic Carbon C	2.2-**3.1**-4.9	0.67-**3.5**-5.8	2.7-**3.6**-4.5	2.4-**3.03**-3.7	3.9-**4.2**-4.7	3.4-**4.1**-4.8	
Note 1	Increase less than causes accelerated weed growth						
Note 2	Increase over background of ≤10 mg/L, background ≤100 mg/L. Increase over background of ≤10%, background >100 mg/L						

TABLE 7.1 NUNA LOGISTICS OPEN PIT MINE WORKFORCE					
Class	**Position**				
		Year 1	**Year 2**	**Year 3**	**Year 4**
Supervisory					
	Superintendent	2	2	2	1
	Foreman	4	4	4	2
	Safety/Training	2	2	2	1
	Tool Crib Attendant	2	2	2	1
	Administrator	2	4	4	2
Operators					
	Truck Driver	10	18	26	15
	5130 Backhoe Operator	0	4	4	2
	Front End Loader Operator	4	2	2	1
	Dozer Operator	8	6	6	3
	Crusher Operator	2	2	2	1
	Crusher Helper	0	0	0	0
	Grader Operator	2	2	2	1
	Other Equipment Operator	2	2	2	1
	Labourers	2	2	2	1
Mechanical					
	Mechanic	8	12	16	8
	Welder	4	8	10	5
	Serviceman	4	4	4	2
	Labourer	2	2	2	1
Drilling and Blasting					
	Superintendent	2	2	2	1
	Driller	8	8	6	3
	Blaster	2	2	2	1
	Helper	10	10	8	4
	Mechanic	4	2	2	1
Surveyors					
	Crew Chief	2	2	2	1
	Instrumentman	2	2	2	1
Total		**90**	**106**	**116**	**60**

TABLE 7.2 UNDERGROUND MINING WORKFORCE YEAR 5 TO YEAR 7			
Position	**No. per Shift**	**No. per Rotation**	**Total**
Project Superintendent	1	1	2
Shift Boss	1	2	4
Surveyor	1	1	2
Clerk/Expeditor	1	1	2
Lead Mechanic	1	1	2
Mechanic	2	4	8
Electrician	1	1	2
Development Miner	2	4	8
Raise Miner	1	1	2
Longhole Driller/Blaster	1	2	4
Scoop/Truck Operator	2	4	8
Rockbolter	1	2	4
Total			**48**

TABLE 7.3 DIAMOND PROCESSING PLANT EMPLOYMENT			
Position	**No. per Shift**	**No. per Rotation**	**Total**
Plant Manager	1	Alternate	1
Plant Engineer	1	Alternate	1
Operators	4	8	16
Sorters	3	3	6
Loader Operator	1	2	4
Truck Driver	1	2	4
Security Officer	1	2	4
Security Foreman	1	Alternate	1
Security Manager	1	Alternate	1
Apprentices	1	1	2
Total			**40**

TABLE 7.4 CATERING EMPLOYMENT		
Position	**No. per Rotation**	**Total**
Supervisor	1	2
Cook	2	4
Cook's Helper	2	4
Janitor	3	6
Total		**16**

TABLE 7.5 ADMINISTRATION AND TECHNICAL SERVICES POSITIONS		
Position	**Number**	**Remarks**
Operations Accountant	1	Toronto based; accounts, inventory management, payroll.
Environmental Manager	1	Part-time (21 weeks/annum). Consultants will be utilized in support.
Human Resources And Community Liaison	1	Part-time (8 weeks/annum)
Expediter	Outsource	Part-time, mainly for winter road transport
Technical Services	Outsource	Consultant for mine planning, geology, geotechnical audit, plant audit.
Purchaser	Outsource	Annual inventory procurement

TABLE 8.1 JERICHO SITE ACCESS	
Surface	Winter road: Yellowknife to Lupin on existing road (528 km) Lupin to Jericho on Lupin road extension (Year 1) (32.5 km) Lupin to northwest end of Contwoyto Lake (Year 2 to Year 9) (29 km) All-weather road: Northwest end of Contwoyto Lake to Jericho (Year 2 to Year 9) (3.5 km)
Fixed Wing Air	Year Round 1220 m gravel strip Winter and Summer Carat Lake (emergency only)
Helicopter Air	Year Round Emergency Exploration - possible

TABLE 8.2
ROAD CONSTRUCTION

Road	Width (m)	Length (km)	Material	Fill Vol (m^3)
Exploration Camp - airstrip	6	1.5	existing	n/a
Pit to dump 1 SE	18	0.3	ROM	7,688
			15 cm Crush	810
			Esker	270
Dump 1 SE to exploration camp	6	1.2	ROM	12,750
			15 cm Crush	1,080
			Esker	360
Pit to Contwoyto Lake	9	3.5	ROM	50,313
			15 cm Crush	4,725
			Esker	1,575
Pit to processing plant	18	1.5	ROM	38,438
			15 cm Crush	4,050
			Esker	1,350
Processing plant to PKCA	9	2.1	ROM	30,188
			15 cm Crush	2,835
			Esker	945
Pit to pump house	6	0.3	ROM	3,188
			15 cm Crush	270
			Esker	90

ROM: run-of-mine PKCA: processed kimberlite containment area

TABLE 8.3
LOADS REQUIRED FOR COMMISSIONING

Buildings, Supplies and Equipment	**No Trucks**	**Year**
Accommodation/mine office	25	Year 1
Plant Building	51	Year 1
Plant	31	Year 1
Pumps	4	Year 1
Mine Truck Shop	25	Year 1
Explosives Truck Shop	22	Year 1
Powder Mag	3	Year 1
Caps Mag	1	Year 1
Generators x 4	5	Year 1
Fuel Tanks x 5	5	Year 1
Fuel x 3 M L	71	Year 1
Airstrip Equipment	1	Year 1
Fire Protection	2	Year 1
Tools + Furnishing	3	Year 1
Incinerator	1	Year 1
Miscellaneous	40	Year 1
Ammonium Nitrate	70	Year 1
Powder + Caps x 26,000 kg	1	Year 1
SUBTOTAL	361	Year 1
Fuel Tanks x 5	5	Year 2
Fuel (part of resupply)	0	Year 2
Ammonium Nitrate (part of resupply)	0	Year 2
Powder + Caps (part of resupply)	0	Year 2
SUBTOTAL	5	Year 2
Open Pit Mobile Equipment		
992 FEL x 3	15	Year 1
777 Ore Truck x 4	4	Year 1
D300 Ore Truck	1	Year 1
Excavator	1	Year 1
D10 x 2	4	Year 1
D9 Dozer x 2	4	Year 1
D6 Dozer	1	Year 1
RT Dozer	1	Year 1
Drill x 2	4	Year 1
Packer	1	Year 1
Explosives Truck	1	Year 1
Miscellaneous	10	Year 1
SUBTOTAL	47	Year 1
992 FEL	5	Year 2
777 x 3	3	Year 2
D10	2	Year 2
Miscellaneous	2	Year 2
SUBTOTAL	12	Year 2
Processing Plant Mobile Equipment		
966 FEL x 2	4	Year 1
D300 x 2	2	Year 1
Tandem Dump Truck	1	Year 1
Skid Steer Loader + Miscellaneous	1	Year 1
SUBTOTAL	8	Year 1
Underground Mobile Equipment		
Scooptram x 3	3	Year 3
Scissor Lift	1	Year 3
Service Tractor	1	Year 3
Tandem (40 t)	3	Year 3
SUBTOTAL	8	Year 3
TOTAL	441	

TABLE 8.4 ANNUAL LOADS REQUIRED FOR RESUPPLY					
Supplies and Equipment - Open Pit Mining	**No. Trucks**	**Year**	**Supplies and Equipment - Underground Mining**	**No. Trucks**	**Year**
Fuel x 5 M L	112	2 - 4	Fuel x 0.73 M L	20	5 - 7
Ammonium Nitrate x 2300 t	66	2 - 4	Ammonium Nitrate x 254 t	8	5 - 7
Powder + Caps x 26000 kg	1	2 - 4	Powder + Caps x 10 t (estimate)	1	5 - 7
Miscellaneous	10	2 - 4	Miscellaneous	5	5 - 7
SUBTOTAL	189	2 - 4	SUBTOTAL	34	5 - 7
Supplies and Equipment - Plant			**Supplies and Equipment - Plant**		
Fuel x 5 M L	112	1 - 8	Fuel x 5 M L	112	1 - 8
Gasoline x 10,000 L	0.5	1 - 8	Gasoline x 10,000 L	0.5	1 - 8
Jet Fuel x 5000 L	0.5	1 - 8	Jet Fuel x 5000 L	0.5	1 - 8
Ferrosilicon x 120 t	4	1 - 8	Ferrosilicon x 120 t	4	1 - 8
Miscellaneous	5	1 - 8	Miscellaneous	5	1 - 8
SUBTOTAL	122	1 - 8	SUBTOTAL	122	1 - 8
Supplies and Equipment - Catering			**Supplies and Equipment - Catering**		
Miscellaneous (estimate)	1	1 - 8	Miscellaneous (estimate)	1	1 - 8
TOTAL OPEN PIT MINING	312		TOTAL UNDERGROUND MINING	157	

NOTE: Fuel in excess of annual requirements will be transported to site each year to top up the 10 ML storage capacity for the purpose of having a reserve on site.

TABLE 8.5 TRUCKING REQUIREMENTS FOR MINE CLOSURE[1]	
Description	**Number of Loads**
Plant building	51
Plant	24
Mine buildings	47
Accommodation	23
Generators	4
Fuel Tanks	10
Mobile Equipment	10
Miscellaneous	10
TOTAL	179

[1] Assumes all materials and equipment removed from site.

TABLE 10.1 MATERIALS SCHEDULE FOR WATER INTAKE CAUSEWAY			
Component	**Material**	**Dimensions (m)**	**Volume (m^3)**
Cap	Crushed ROM Waste Rock or Esker	3.25 x 1 x 90	293
Top	ROM Waste Rock	7.2 x 1 x 90	648
Middle	ROM Waste Rock	11 x 1 x 47	517
Bottom	ROM Waste Rock	14 x 1 x 91	1,274
Toe	ROM Waste Rock		514
Total			3,246

TABLE 12.1
JERICHO PROJECT ANNUAL ESTIMATED ENERGY BALANCE - OPEN PIT MAXIMUM PRODUCTION YEAR 3

Item	Amount (L)	Power (KW)	Energy Value (Giga-Joules)	Coversion Factor[a]
TOTAL DIESEL CONSUMPTION	**9,893,080**		**405,684**	0.04101
Mobile Equipment Fuel	4,617,200		189,337	0.04101
Process Rotary Drier	156,200		6,405	0.04101
ANFO Production[b]	101,860		4,177	0.04101
Power Generation (from next line)	5,119,680	3,700	209,942	
TOTAL POWER GENERATION	**5,119,680**	**3,700**	**209,942**	
Main power generators[c]	3,801,840	2600	155,902	0.04101
Process plant	3,363,166	2300	137,913	0.04101
Accommodation	438,674	300	17,989	0.04101
Accommodation Standby	144,000	300	5,905	0.04101
Auxillary power generator	1,173,840	800	48,135	0.04101
Mechanical Shop	440,190	300	18,051	0.04101
Pit Crusher	586,920	400	24,068	0.04101
Mine pumps	73,365	50	3,008	0.04101
Explosives truck shop	73,365	50	3,008	0.04101
Gasoline (small motors)	10,000		308	0.03081
Jet Fuel (helicopter use)	4,920		165	0.03360
TOTAL PROPANE CONSUMPTION	**25,000**		**531**	
Cooking	25,000		531	0.02122
WASTE HEAT RECYCLED[d]	**(220,095)**	**150**	**(9,025)**	
Process Plant	(146,730)	100	(6,017)	0.04101
Boilers	(73,365)	50	(3,008)	0.04101
TOTAL ENERGY USE (Giga-Joules)			**406,688**	

NOTES

a 41.868 GJ/tonne of oil equivalent; source UK Petrol. Ind. Assoc.

b Assumes 5% fuel oil in ANFO. Diesel SG 0.89. ANFO use from Table 5.4

c Main power generator fuel consumption 217 L/hr/generator;
other power generator fuel consumption pro-rated.

d Factored into total fuel use; equals equivalent fuel and energy savings

TABLE 13.1 ANTICIPATED CONSTRUCTION FILL REQUIREMENTS				
Fill Material	**Year 1**		**Year 2**	
	Tonnes	**m^3**	**Tonnes**	**m^3**
Run of Mine Rock	290,000	109,000	509,000	192,000
6 inch (15 cm) Crush	25,000	9,500	36,500	14,000
1 inch (2.5 cm) Crush	9,100	3,500	39,000	14,700
Esker[a]	81,000	43,000	73,000	38,000
Total	**405,100**	**165,000**	**657,500**	**258,700**

BCM: bank cubic metres

[a] In Year 2 overburden low in organic content from the stockpile will be substituted for esker where practical.

TABLE 14.1 OVERBURDEN STRIPPING SCHEDULE			
Year 1		**Year 2**	
Tonnes	**m^3**	**Tonnes**	**m^3**
771,000	428,000	817,000	454,000

TABLE 15.1
JERICHO PROCESSED KIMBERLITE EFFLUENT QUALITY

Parameter	**Conc**	**CCME**	**Health Canada**	**MMLER**
	(mg/L)			
Total Dissolved Solids	1155		500	
Hardness (CaCO3)	654			
pH	8.84			>5 (>6)
Total Suspended Solids (supernatant)	8	<10mg/L increase		50 (25)
Turbidity (NTU)	5.2			
Conductivity (uS/cm)	1424			
Alkalinity (CaCO3)	39			
Chloride	510		250	
Fluoride	0.35		1.5	
Sulphate	16		500	
Ammonia N	17.3	2		
Dissolved Metals				
Aluminum	0.048	0.1		
Barium	0.75		1	
Calcium	146			
Copper	0.002	0.002	1	0.6 (0.3)
Magnesium	70			
Manganese	0.0028		0.05	
Molybdenum	0.0066			
Nickel	0.025	0.025		1.0 (0.5)
Potassium	34			
Silicon	2.79			
Sodium	33		200	
Strontium	5.26			
Zinc	0.021	0.03		1(0.5)

CCME Canadian Council of Ministers of the Environment
Health Canada Canadian Drinking water guidelines
MMER Metal Mine Effluent Regulation (of the *Fisheries Act*)

TABLE 18.1			
HAZARDOUS SUBSTANCES INVENTORY - JERICHO MINE SITE			
Substance	**Estimates of On Hand Quantities**	**Risk of Spill**	**Comments**
Diesel	10 million litres	low	In fuel farm with containment berm
Ammonium Nitrate	2300 tonnes	low	Powder, 1 t bags, no proximity to water
Sodium Nitrate	to be determined	low	25 kg bags, palletized in G-can
High Explosives (Magnifrak™)	26 tonnes	low	Stick powder in boxes in a magazine
Blasting caps	To be determined	low	In boxes in a magazine
Hydraulic Oil	6 - 205 L barrels	low	Stored in covered warehouse in silled area
Motor Oil	5 - 205 L barrels	low	In mine shop in a silled area or outside the mine shop
Jet Fuel	24 - 205 L barrels	low	Stored at airstrip, no proximity to water
Gasoline	up to 10,000 litres	low	In fuel farm with containment berm
Varsol	205 L	low	In mine shop in silled area
Petroleum grease	50 - 20 L pails	nil	In mine shop or cold storage containers
Transmission Oil	6 - 205 litre barrels	low	In mine shop in silled area
Sulphuric acid (battery acid)	small quantities	low	In mine shop in silled area
Ethylene glycol (vehicle antifreeze)	6 – 205 litre barrels	low	In mine shop in silled area
Ethylene glycol (heating system)	not applicable	very low	In pipes in heating system
Ferrosilicon	120 t, non-hazardous		
Hydrofluoric acid	small quantities	low	In fume cupboard in plant
Hydrochloric acid	small quantities	low	In fume cupboard in plant
Sodium hydroxide	small quantities	low	In lab in plant; in controlled drainage area
Acetone	small quantities	low	In fume cupboard in plant
Flocculent - Percol E-10, or equiv.	2 t, non-hazardous	low	In plant controlled drainage area
Slaked lime	to 10 t	low	Powder in bags on pallets and in container for use in controlled drainage area of plant
Floor Dry	small quantities	nil	In the accommodation complex and mine shop

TABLE 19.1
FUGITIVE DUST EMISSION RATES FROM WASTE DUMP AND ORE STOCKPILES

Facility	Assumed Area (ha)	TSP Emission Rate (g/s)	PM-10 Emission Rate (g/s)
Waste Dump 1	21.7	5.7	2.85
Low Grad Ore Stockpile	5.4	1.42	0.71
Central Lobe	4	1.05	0.53

Source: Levelton 2002 (Appendix D.1.1)

TABLE 19.2
EXHAUST GAS EMISSION RATES FROM STATIONARY AND MOBILE SOURCES

Source	NOx (g/s)	SOx (g/s)	CO (g/s)	TSP (g/s)	PM-10 (g/s)	CO_2 (g/s)
Plant Generator	2.85	1.95	1.21	0.15	0.123	254.7
Camp Generator	0.66	0.45	0.28	0.035	0.028	58.8
Shop Generator	1.756	1.20	0.74	0.095	0.076	156.7
Ore Drier	0.167	0.115	n/a	0.199	n/a	146.5
Cat 777 Ore Truck 6 x 938 hp	1.79	0.242	2.215	0.104		137
D10 Dozer 1 x 570 hp	1.09	0.147	1.345	0.063		83.3
D9 Dozer 1 x 405 hp	0.776	0.105	0.956	0.045		59.2
Cat 992 Loader 1 x 800 hp	1.53	0.207	1.89	0.089		117
Cat 5130 Shovel 1 x 800 hp	1.53	0.207	1.89	0.089		117
Service Truck 1 x 300 hp	0.575	0.078	0.708	0.033		43.8
Fuel Truck 1 x 300 hp	0.575	0.078	0.708	0.033		43.8
Pickup 5 x 200 hp	0.383	0.052	0.472	0.022		29.2
Cat 966E Loader 1 x 285 hp	0.546	0.074	0.673	0.032		41.7
Cat D300 Tandem 1 x 285 hp	0.546	0.074	0.673	0.032		41.7
D6R Dozer 1 x 175 hp	0.335	0.045	0.413	0.019		25.6

Source: Levelton 2002 (Appendix D.1.1)
n/a: not available
Emission factors for mobile equipment based on AP-42 factors for diesel industrial engines (g/hp-hr):
NOx: 6.9; SOx: 0.93; CO: 8.5; PM/TSP: 0.4; CO_2: 526

FIGURES

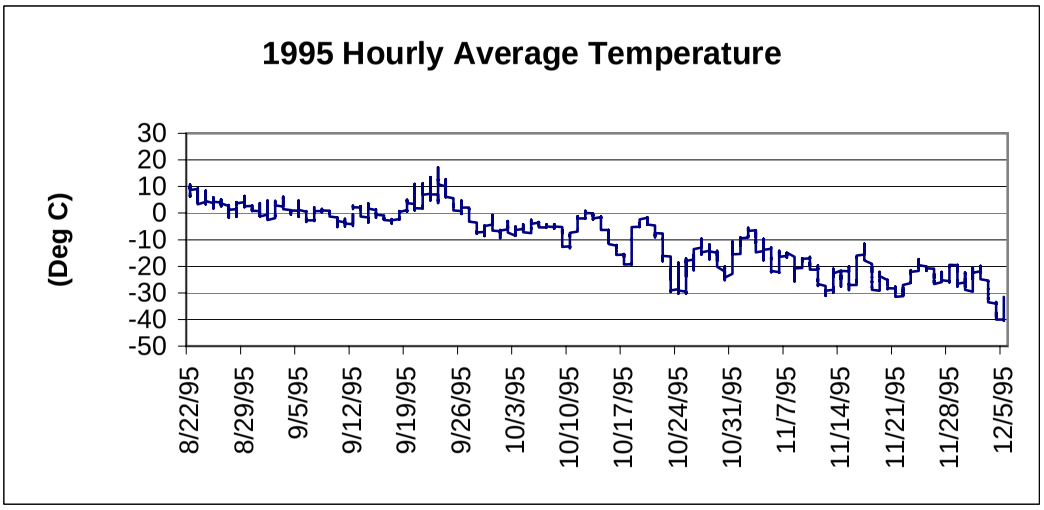
ATTACHMENTS

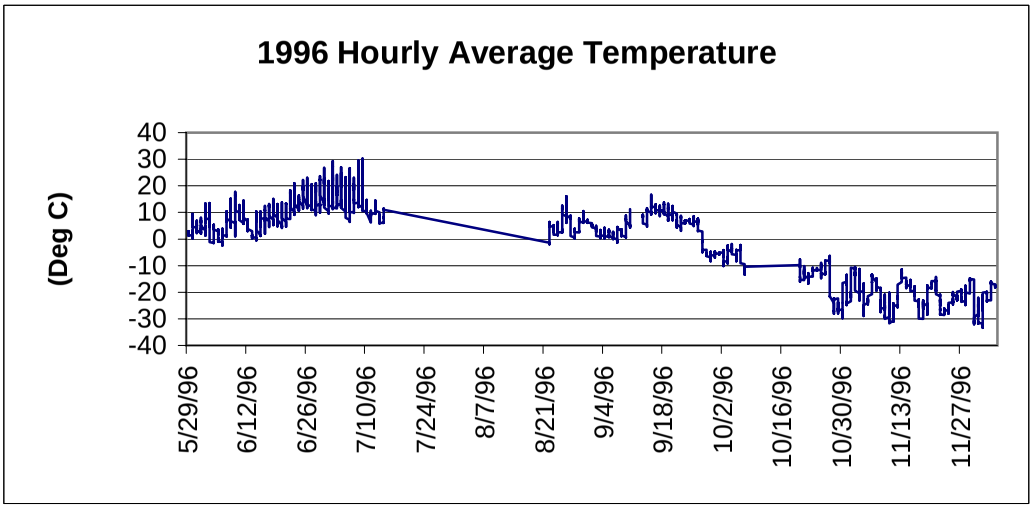
ATTACHMENT 2.1

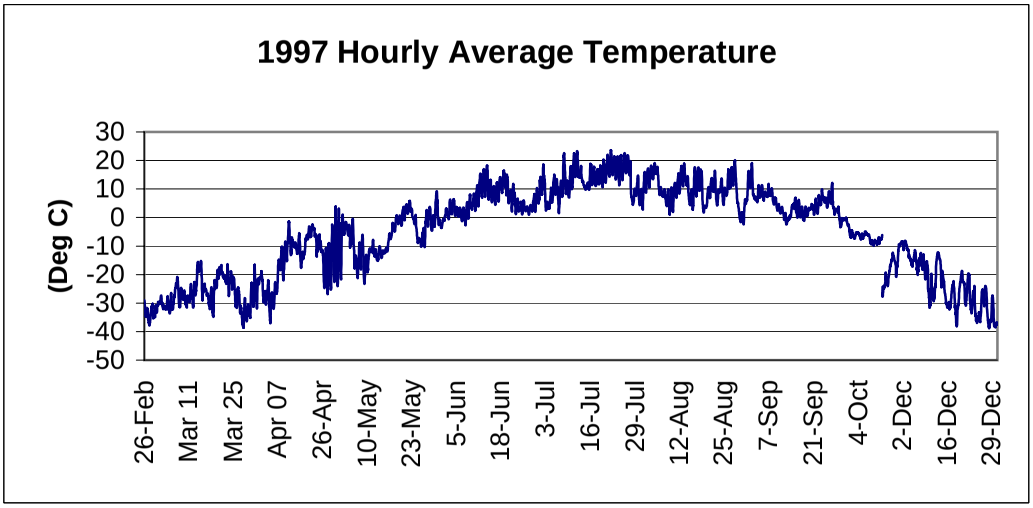
HISTORICAL SITE CLIMATE DATA

APPENDIX 2.1
HISTORICAL SITE CLIMATE DATA

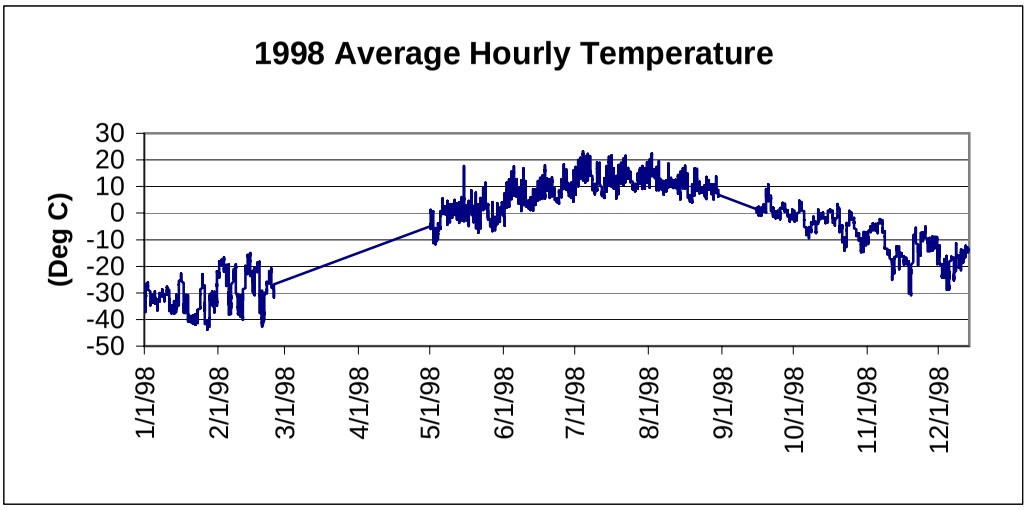
AVERAGE HOURLY TEMPERATURE SUMMARY

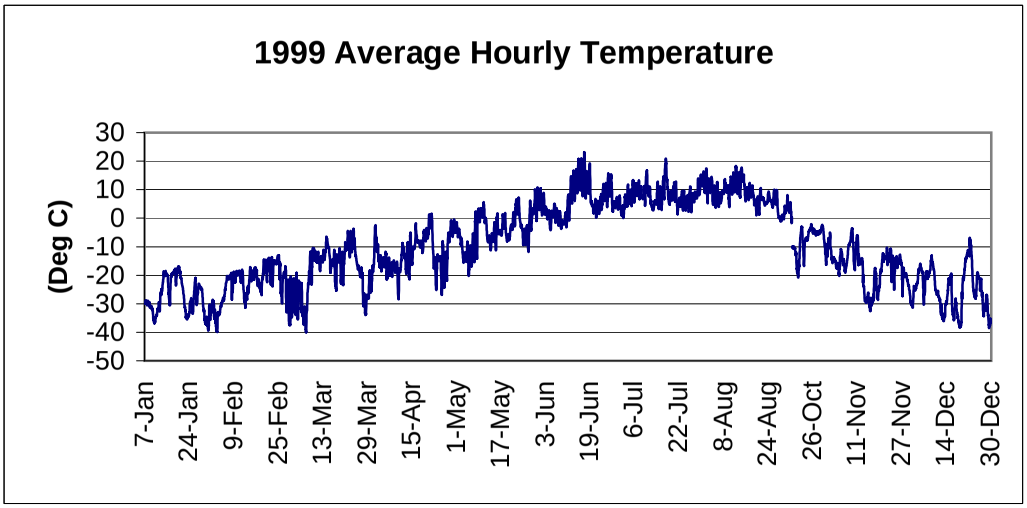


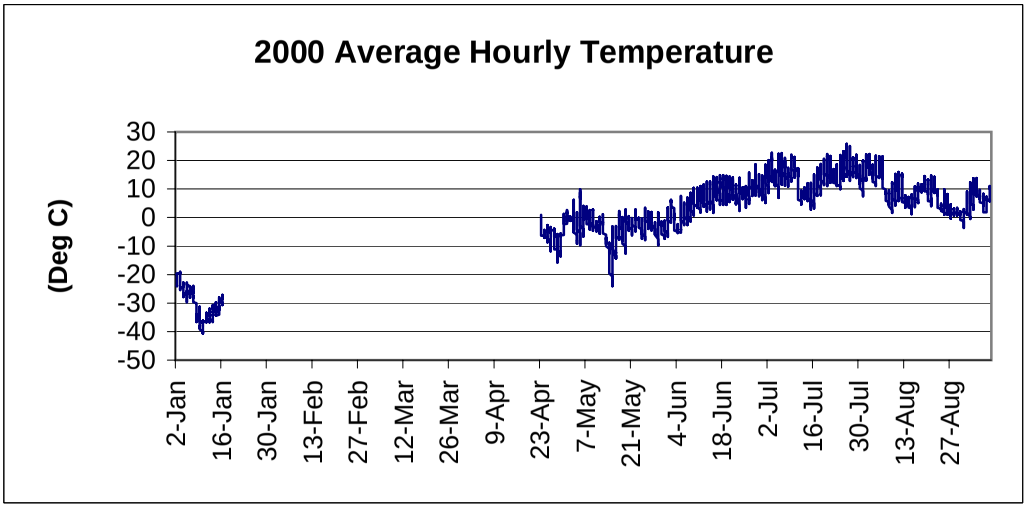


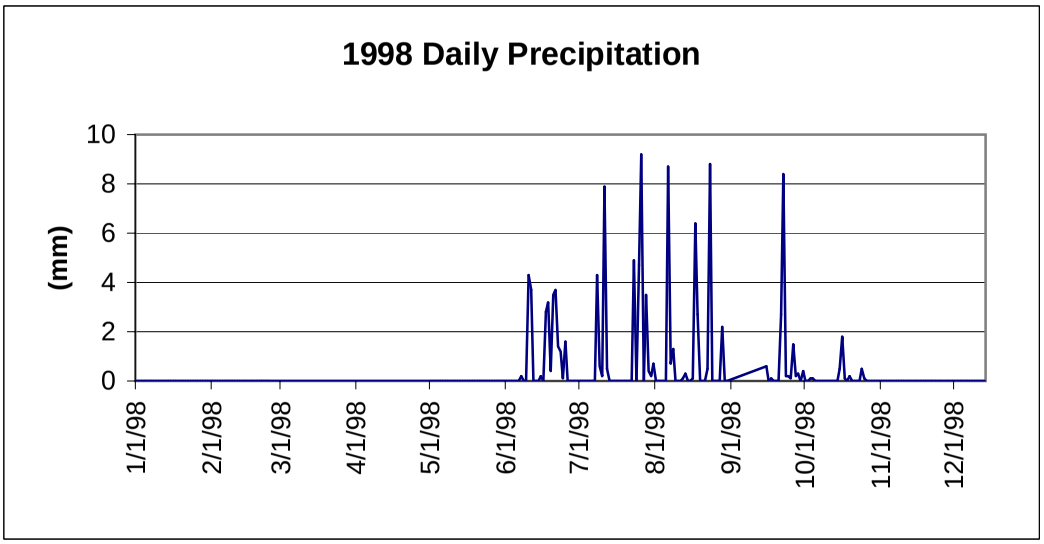


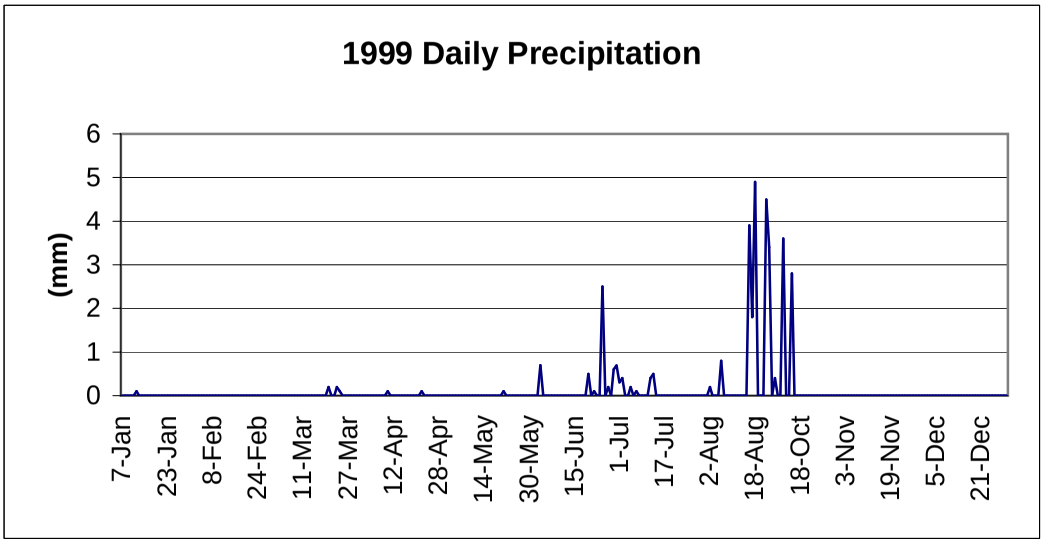
AVERAGE HOURLY TEMPERATURE SUMMARY

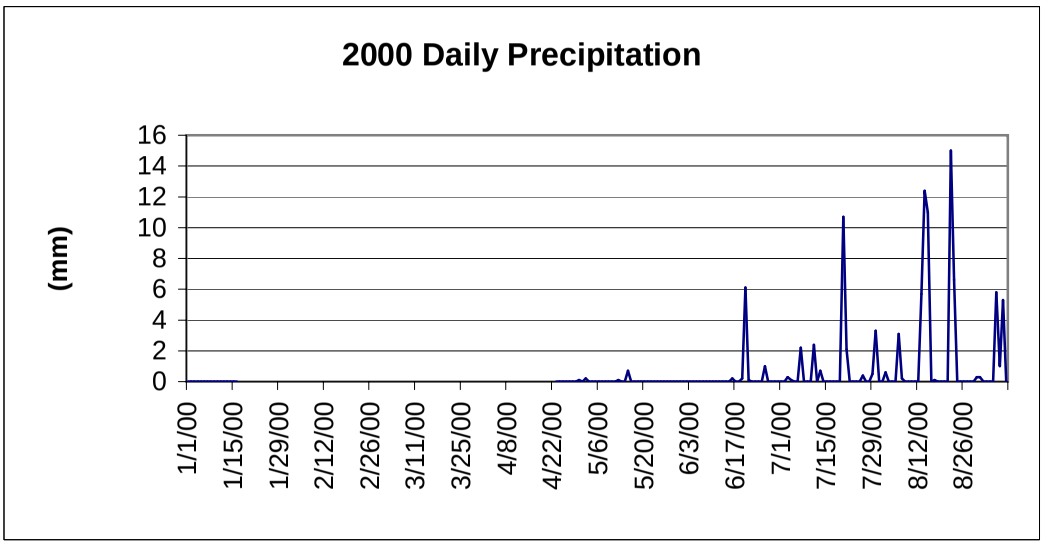




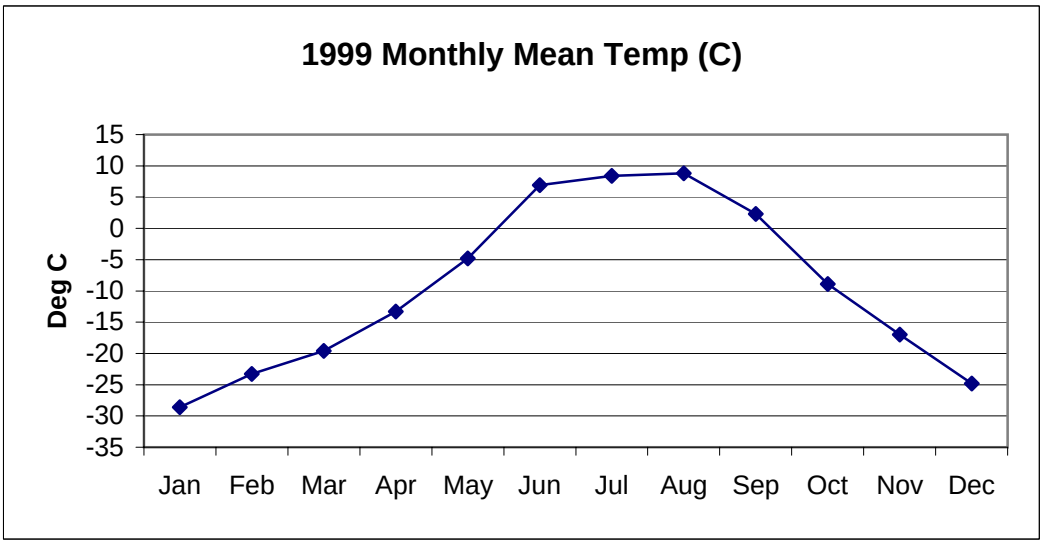


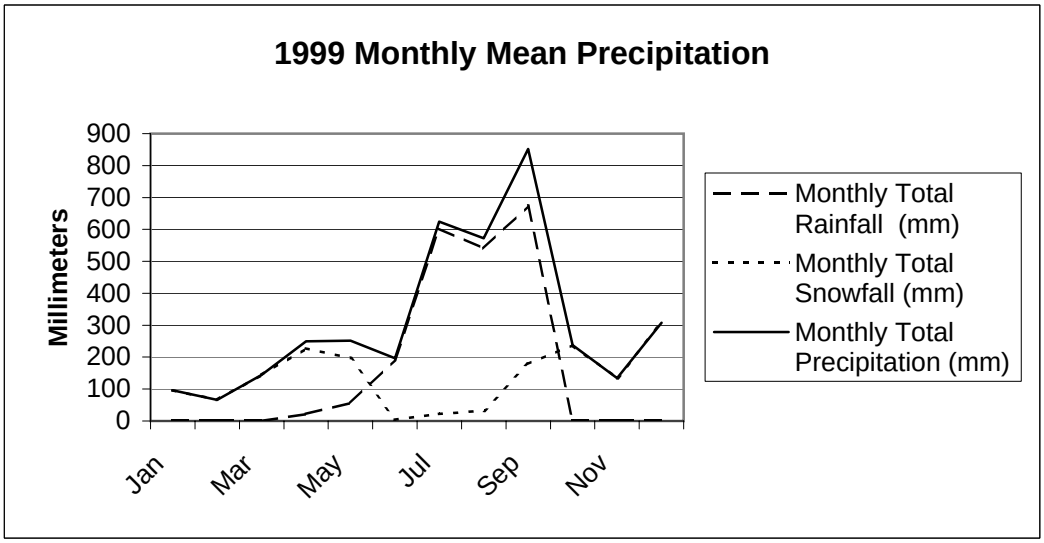

1998 Daily Precipitation
(mm)
10
8
6
4
2
0
1/1/98
2/1/98
3/1/98
4/1/98
5/1/98
6/1/98
7/1/98
8/1/98
9/1/98
10/1/98
11/1/98
12/1/98


1999 Daily Precipitation
(mm)
6
5
4
3
2
1
0
7-Jan
23-Jan
8-Feb
24-Feb
11-Mar
27-Mar
12-Apr
28-Apr
14-May
30-May
15-Jun
1-Jul
17-Jul
2-Aug
18-Aug
18-Oct
3-Nov
19-Nov
5-Dec
21-Dec

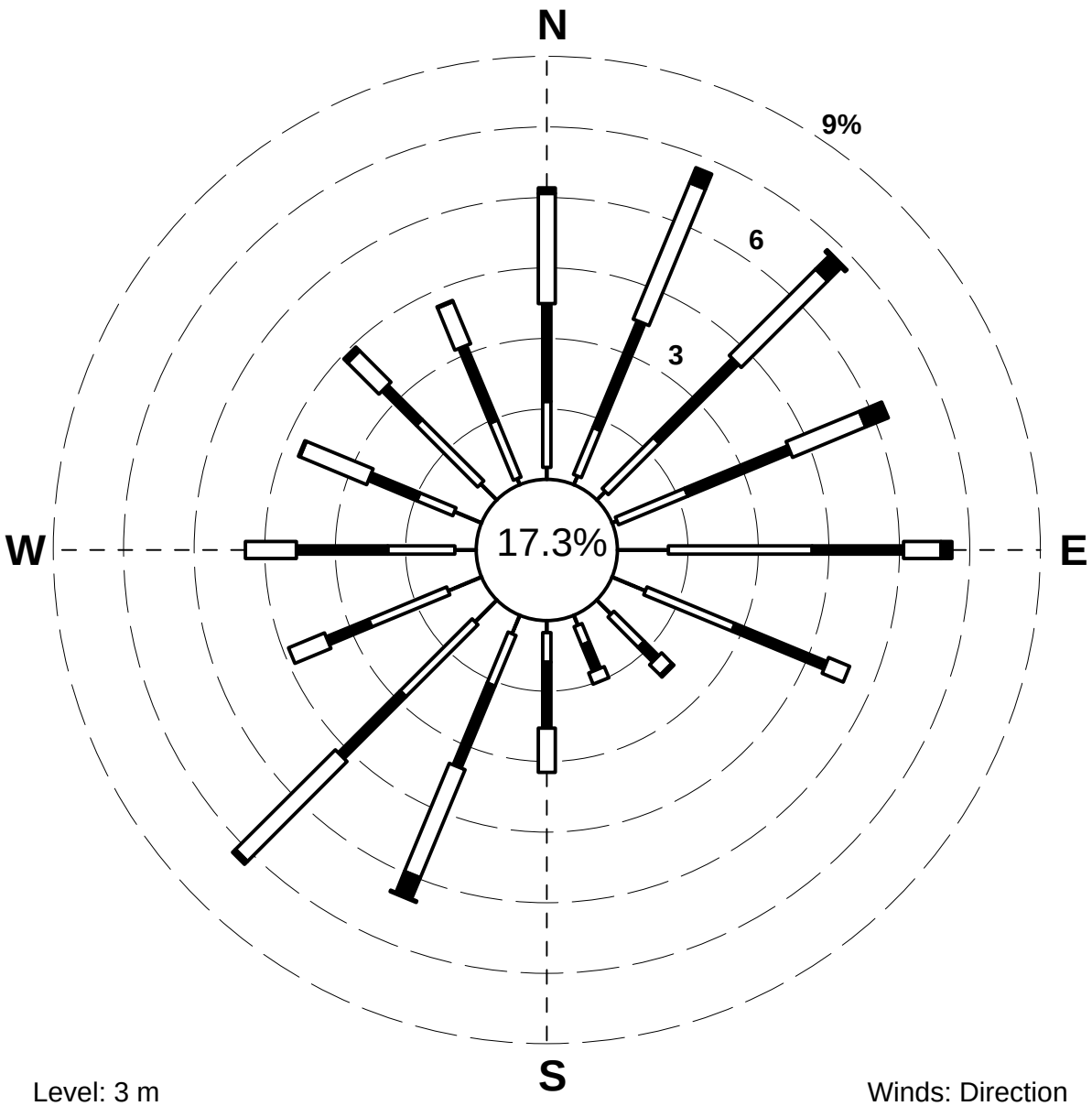

2000 Daily Precipitation
(mm)
16
14
12
10
8
6
4
2
0
1/1/00
1/15/00
1/29/00
2/12/00
2/26/00
3/11/00
3/25/00
4/8/00
4/22/00
5/6/00
5/20/00
6/3/00
6/17/00
7/1/00
7/15/00
7/29/00
8/12/00
8/26/00

LUPIN 1999 CLIMATE DATA





Carat Lake 1995
August 7, 95 through December 3, 95



Level: 3 m

Winds: Direction

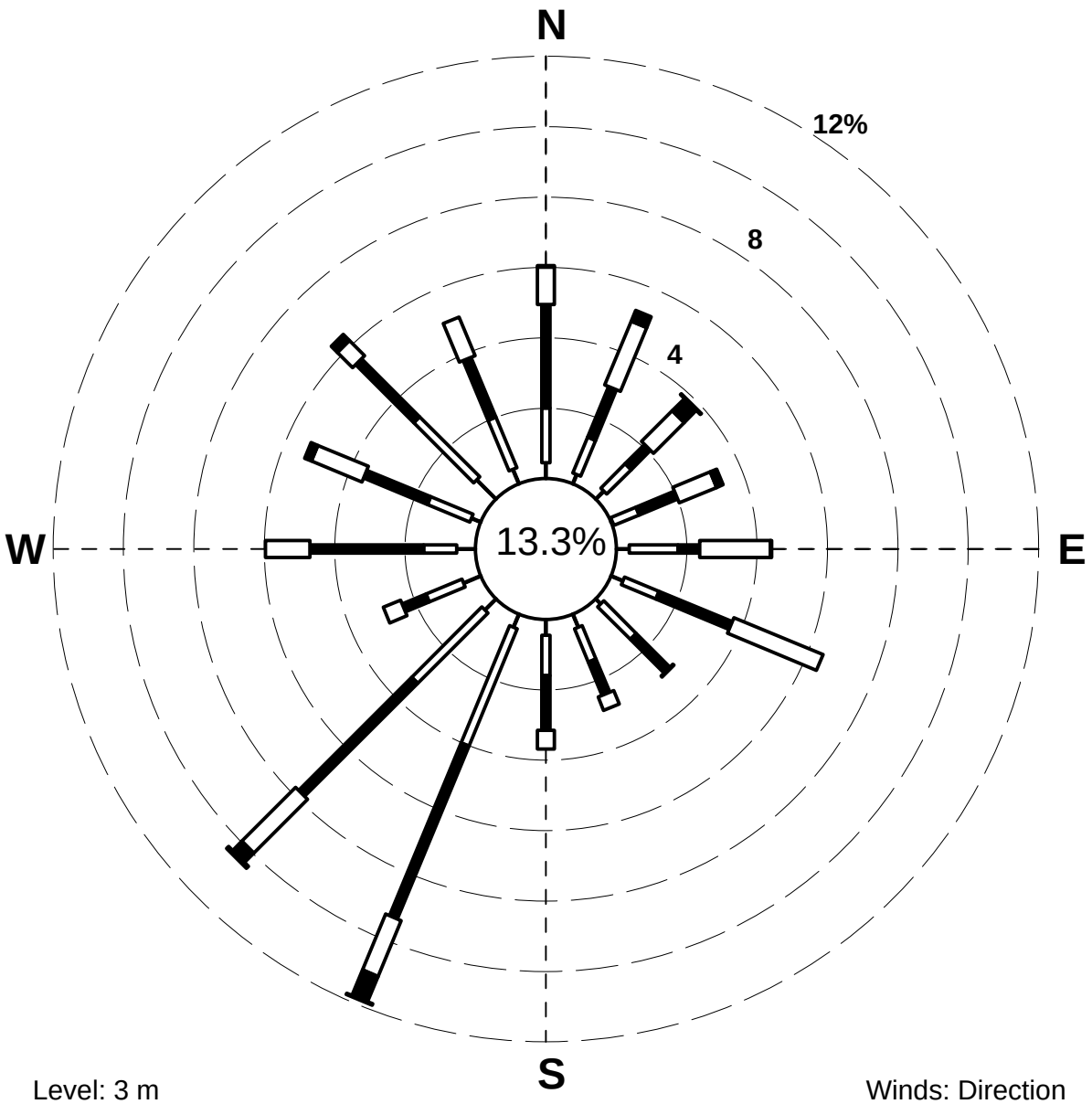
1.01 to 1.54
1.54 to 3.09
3.09 to 5.14
5.14 to 8.23
8.23 to 10.8
>= 10.8 (m/s)

Number of Records Used: 3500

Tahera Corporation

Toronto, Canada

Carat Lake 1996
January 1, 96 through September 10, 96



Level: 3 m

Winds: Direction

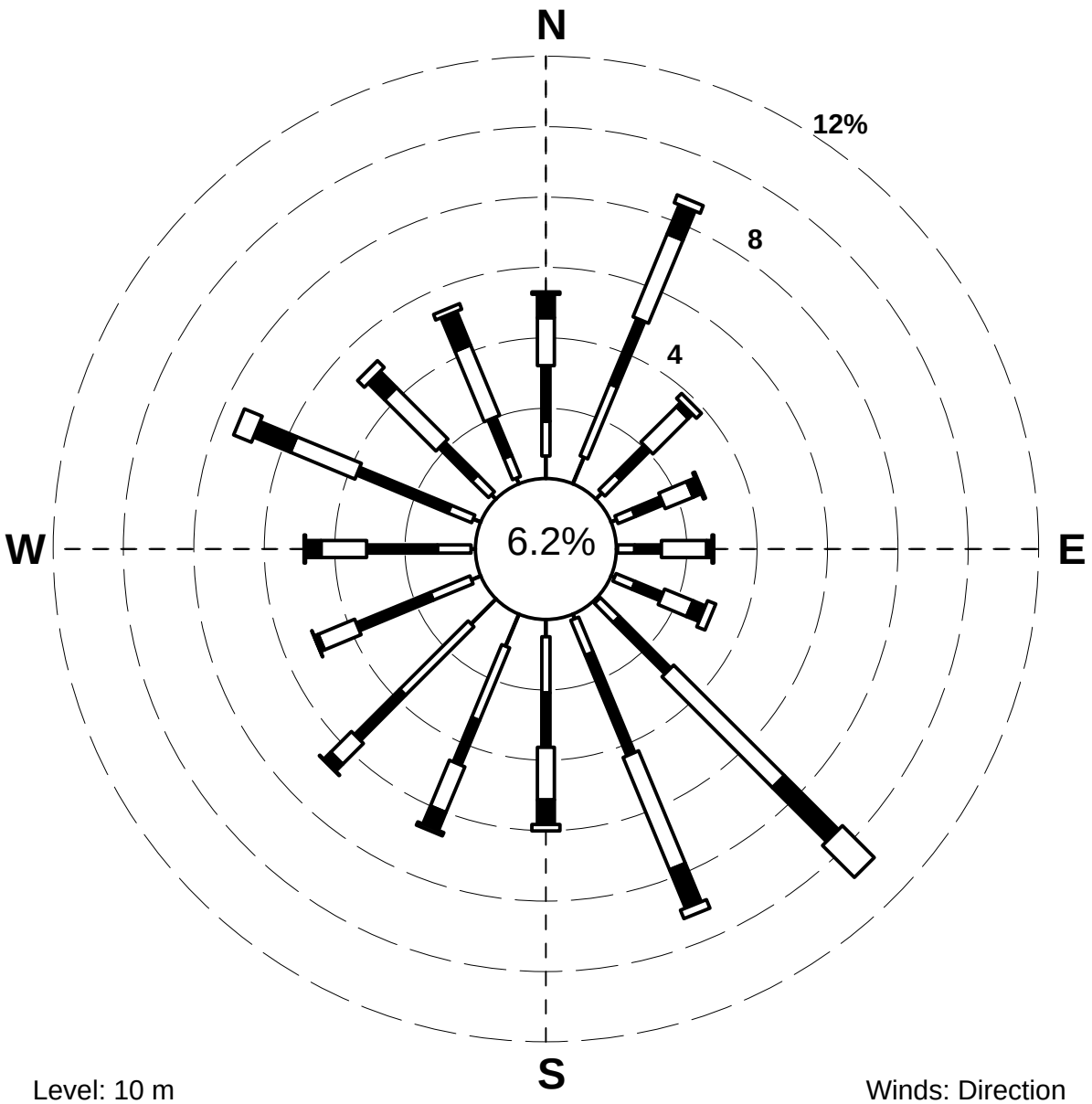
1.01 to 1.54
1.54 to 3.09
3.09 to 5.14
5.14 to 8.23
8.23 to 10.8
>= 10.8 (m/s)

Number of Records Used: 2445

Tahera Corporation

Toronto, Canada

Jericho Airstrip 1997
February 13, 97 through December 30, 97



Level: 10 m

Winds: Direction

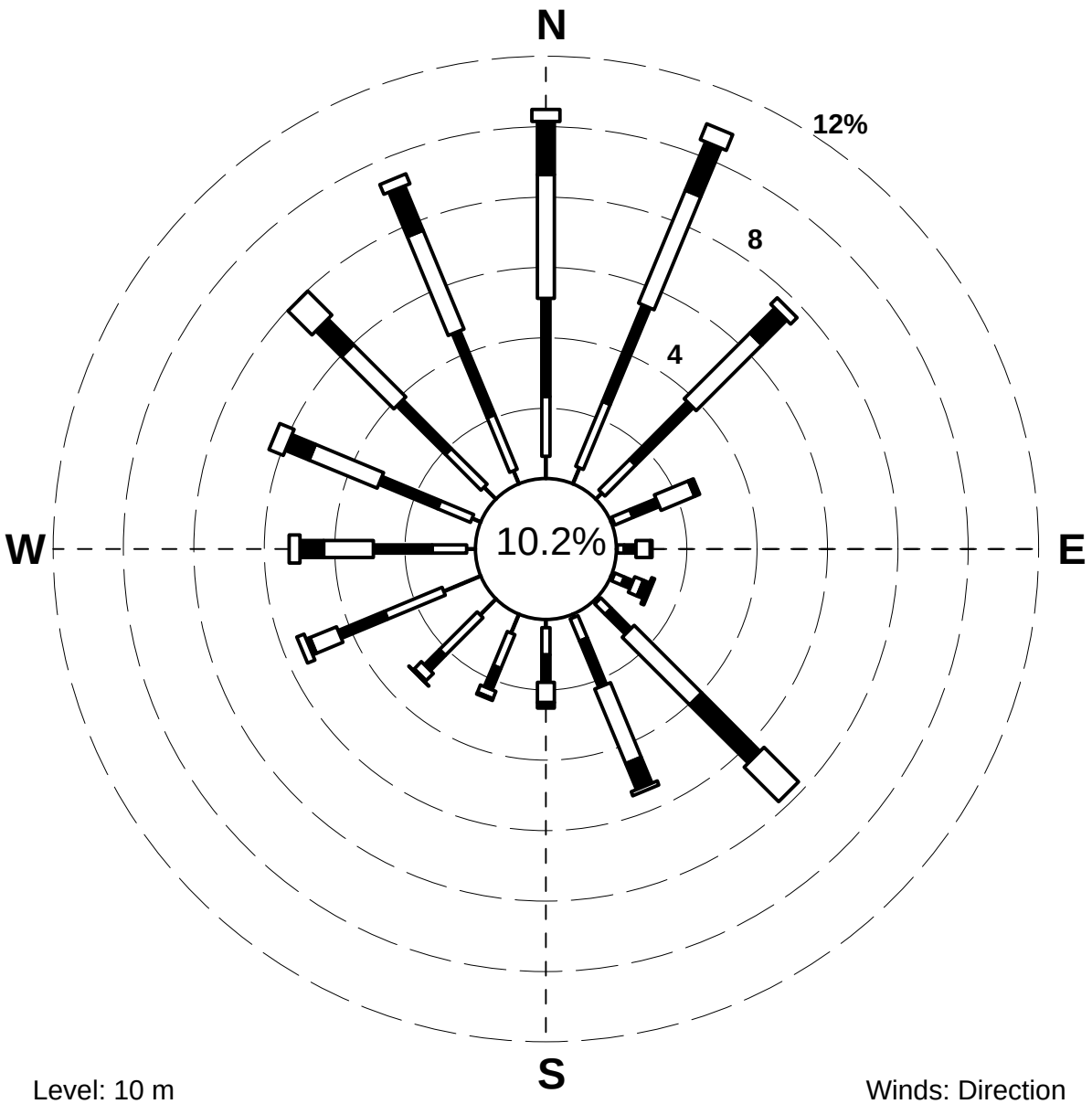
1.01 to 1.54
1.54 to 3.09
3.09 to 5.14
5.14 to 8.23
8.23 to 10.8
>= 10.8 (m/s)

Number of Records Used: 7660

Tahera Corporation

Toronto, Canada

Jericho Airstrip 1998
January 1, 98 through December 13, 98



Level: 10 m

Winds: Direction

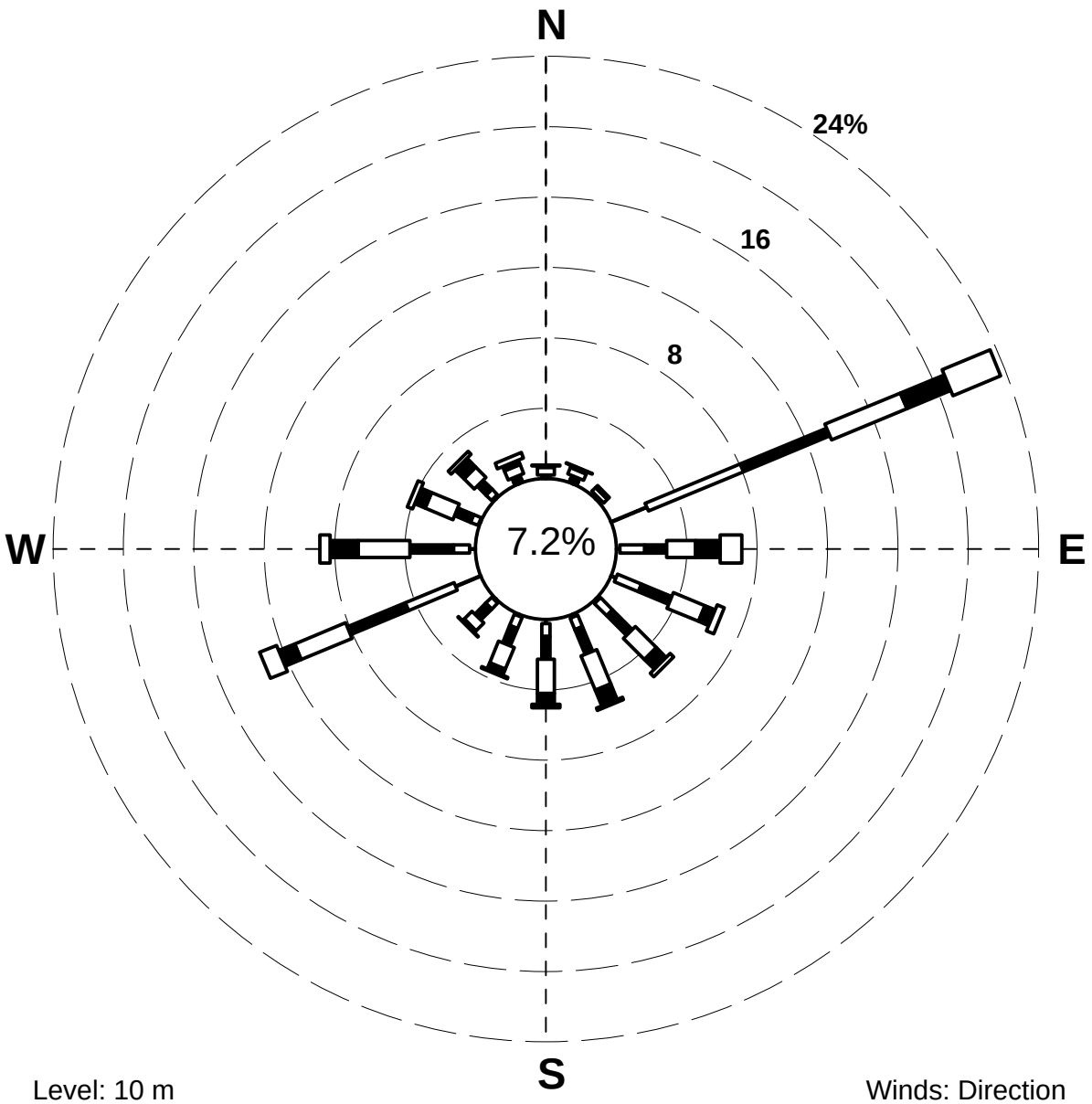
1.01 to 1.54
1.54 to 3.09
3.09 to 5.14
5.14 to 8.23
8.23 to 10.8
>= 10.8 (m/s)

Number of Records Used: 8060

Tahera Corporation

Toronto, Canada

Jericho Airstrip 1999
January 1, 99 through December 31, 99



Level: 10 m

Winds: Direction

1.01 to 1.54
1.54 to 3.09
3.09 to 5.14
5.14 to 8.23
8.23 to 10.8
>= 10.8 (m/s)

Number of Records Used: 8621

Tahera Corporation

Toronto, Canada

ATTACHMENT 4.1

BRUCE GEOTECHNICAL CONSULTANTS LTD. BOREHOLE LOCATION MAP

CARAT LAKE

96BGC15
96BGC14
96BGC11
96BGC13
96BGC10
96BGC12
96BGC16
96BGC19
96BGC18

7 319 500 N
7 319 500 N

CO-05/76E.L86H (APPROX. LOCATION)

0 100 200 300 400 500m
SCALE: 1:10000

LOST 17 NO DATA

REFERENCED DRAWING No.	REFERENCED DRAWING DESCRIPTION

REV.	DATE	REVISION	DRAWN	CHECKED	APPROVED
–	–	–	–		

SCALE: 1 : 10000
DATE: 6 NOV 1996
DRAWN: MT
DESIGNED: –
CHECKED:
APPROVED:

BGC BRUCE GEOTECHNICAL CONSULTANTS INC.
AN APPLIED EARTH SCIENCES COMPANY

CLIENT: CANAMERA GEOLOGICAL LTD.

PROJECT: JERICHO DIAMOND PROJECT
1996 OVERBURDEN GEOTECHNICAL SITE INVESTIGATIONS
FACTUAL FIELD REPORT

TITLE: BOREHOLE LOCATION PLAN

PROJECT No.: 0081-001-05
DWG. No.: FIG. 2
REV.: –

ATTACHMENT 6.1

RAW WATER QUALITY DATA

Final Report - Jericho Water Quality																			Cigar L				
																			JD-01				
Station	CL95 001	CL95002	CL95003	CL-01	CL 96001	CL96 002	CL96-003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-02	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-03
	01-V1	01-V1	01-V1	V1	01-V1	01-V1	01-V1	01-V1	01-V1	02-V1	02-V1	02-V1	V1	02-V1	02-V1	02-V1	02-V1	02-V1	402	03-1V	03-V1	03-V1	V1
																			V1				
Date	95 07 17	95 08 20	95 09 13	95 11 23	960416	960715	960811	960912	961205	95 07 17	95 08 20	95 09 13	95 11 23	960715	960811	960912	961205	970708	980831	95 07 15	95 08 19	95 09 12	95 11 23
Time	10:45	11:46	11:23	10:30	11:00	12:00		15:09	13:05	11:30	12:42	12:01	9:15	11:34	10:41	15:45	13:10	20:32	10:05	13:30	10:24	14:11	12:15
Physical Tests																							
Total Dissolved Solids	9	8	11	12	15	7	7	10	13	9	10	11	11	7	7	8	11			11	8	11	12
Conductivity (umhos/cm)								5.2	9.35							5.11	7.87	13	12				
Hardness CaCO3	4.69	4.64	4.78	6.93	7.84	4.62	4.86	7.14	6.6	6.93	4.84	4.62	6.27	4.68	5.22	7.08	6.56	4.99	4.56	4.11	4.24	4.22	5.82
pH	6.51	6.65	6.82	6.94	6.47	6.66	6.94			6.56	6.84	6.85	6.69	6.89	7.01			6.06	6.4	6.33	6.77	6.75	6.76
Total Suspended Solids	<1	<1	<1	<1	1	4	18	2	3	1	<1	<1	<1	1	7	<1	1	3	<1	<1	1	1	<1
Turbidity (NTU)																		0.5	0.8				
Dissolved Anions																							
Acidity CaCO3	1.1	2.4	1.7	3.9	1.8	<1	1.9	2	2	1.7	2.6	3.5	4.3	2	1.9	2	3			2.3	2.4	3.1	5.5
Alkalinity-Total CaCO3	5.9	5	5.1	6.4	6.7	4.4	4.5	5	7	5.1	8.1	5.1	6.2	4.7	4.5	4.5	7	5	5	4.4	3.5	4.3	5.9
Alkalinity - Bicarbonate CaCO3	5.9	4.8	5.1	6.4	6.7	4.4	4.5	5	7	5.1	4.8	5.1	6.2	4.7	4.5	4.5	7			4.4	3.1	4.3	5.9
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
Chloride Cl	<0.5	<0.5	<0.5	0.6	1	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.6	0.6	<0.5	<0.5	<0.5	<0.5	1	<0.5	0.9	<0.5	0.7	0.8
Fluoride F	0.03	0.02	0.02	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.02	0.02	0.03	<0.02	0.03	0.04	<0.02			0.14	0.02	0.02	0.03
Sulphate SO4	<1	<1	1.8	<1	1.4	<1	<1	<1	1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	1	<1	<1	2	<1
Nutrients																							
Ammonia Nitrogen N	0.013	<0.005	<0.005	0.019	0.019	<0.005	0.009	<0.005	0.019	0.013	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	0.013			0.017	0.01	<0.005	0.011
Nitrate Nitrogen N	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	0.041
Nitrite Nitrogen N	<0.001	<0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001			0.001	0.001	<0.001	0.001
Dissolved ortho-Phosphate P	<0.001	<0.001	<0.001	<0.001	0.007	0.002	0.004	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	0.002	0.001	<0.001			<0.001	<0.001	<0.001	<0.001
Total Dissolved Phosphate P	0.002	0.002	0.003	<0.001	0.007	0.002	0.004	0.002	0.002	0.002	<0.001	0.003	<0.001	0.002	0.002	0.001	0.002			0.003	<0.001	0.002	<0.001
Total Phosphorus P	0.006	0.006	0.004	<0.001	0.007	0.005	0.007	0.003	0.004	0.004	0.004	0.005	<0.001	0.003	0.004	0.003	0.005			0.005	0.004	0.004	<0.001
Total Metals																							
Aluminum T-Al	0.025	0.017	0.039	0.24	0.011	0.02	0.026	0.031	0.023	0.03	0.016	0.022	0.007	0.019	0.018	0.032	0.038	0.016	0.012	0.036	0.038	0.032	0.023
Antimony T-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.00013	0.00017	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	0.00015	0.00015	0.0002	0.0002	0.0001	0.0001	<0.0001	<0.0001	0.0001
Barium T-Ba	<0.01	<0.01	<0.01	<0.01	<0.01	0.00211	0.00135	0.00138	0.00216	<0.01	<0.01	<0.01	<0.01	0.00277	0.00132	0.00134	0.00237	0.00154	0.0012	<0.01	<0.01	<0.01	<0.01
Beryllium T-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1
Boron T-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.004	<0.001	0.002	<0.1	<0.1	<0.1	<0.1	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.02	1.02	1.09	1.89	1.61	0.94	1.06	1.03	1.81	1.02	1.04	1.03	1.3	0.97	1.02	1.01	1.7	0.99	1.13	0.996	1.05	1.06	1.3
Chromium T-Cr	<0.015	<0.015	<0.015	<0.015	<0.01	0.0002	0.0003	0.0001	<0.0005	<0.015	<0.015	<0.015	<0.015	0.0002	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015
Cobalt T-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001
Copper T-Cu	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.001	0.0011	0.0016	<0.01	<0.01	<0.01	<0.01	0.001	0.0012	0.0011	0.0017	0.0011	0.0009	<0.01	<0.01	<0.01	<0.01
Iron T-Fe	<0.03	<0.03	0.031	<0.03	<0.03	0.03	0.03	0.03	<0.01	<0.03	<0.03	<0.03	<0.03	0.03	0.02	0.03	0.01	<0.03	0.03	<0.03	<0.03	<0.03	<0.03
Lead T-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00006	<0.001	<0.001	<0.001	<0.001	0.00008	<0.00005	0.00007	0.00011	0.00006	<0.00005	0.001	<0.001	<0.001	<0.001
Lithium T-Li	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.002	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	0.002	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015
Magnesium T-Mg	0.553	0.555	0.583	0.794	0.81	0.535	0.608	0.615	1.06	0.548	0.565	0.548	0.695	0.538	0.586	0.621	0.93	0.56	0.6	0.444	0.452	0.44	0.633
Manganese T-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	0.00375	0.00325	0.00296	0.00158	<0.005	<0.005	<0.005	<0.005	0.00393	0.00327	0.00299	0.00162	0.0049	0.00315	<0.005	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001
Nickel T-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0001	<0.001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.244	0.247	0.24	0.339	0.31	0.26	0.29	0.4	0.75	0.242	0.272	0.228	0.3	0.25	0.28	0.38	0.66	0.36	0.31	0.278	0.252	0.227	0.431
Silver T-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.009	0.009	0.011	0.01	<0.001	0.0039	0.0043	0.004	0.0064	0.009	0.009	0.011	<0.001	0.0039	0.0039	0.004	0.0066	0.0039	0.0042	0.011	0.012	0.013	0.007
Thallium T-Tl	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1
Tin T-Sn	<0.03	<0.03	<0.03	<0.3	<0.03	0.0003	0.0002	0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	0.0003	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W	<0.1	<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1							<0.1	<0.1	<0.1	<0.1
Uranium T-U	<0.0005	<0.0005	<0.0005	0.0001	0.00008				0.00018	<0.0005	<0.0005	<0.0005	0.00008				0.00018		0.0001	<0.0005	<0.0005	<0.0005	0.00016
Vanadium T-V	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03
Zinc T-Zn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.002	0.001	<0.001	<0.005	<0.005	<0.005	<0.005
Dissolved Metals																							
Aluminum D-Al	0.011	0.006	<0.005	0.006	0.014	0.011	0.02	0.013	0.015	0.007	0.006	<0.005	0.006	0.022	0.011	0.013	0.013	0.009	0.008	0.018	0.014	0.014	0.021
Antimony D-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001

Station	CL95 001	CL95002	CL95003	CL-01	CL 96001	CL96 002	CL96-003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-02	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-03
	01-V1	01-V1	01-V1	V1	01-V1	01-V1	01-V1	01-V1	01-V1	02-V1	02-V1	02-V1	V1	02-V1	02-V1	02-V1	02-V1	02-V1	402	03-1V	03-V1	03-V1	V1
																			V1				
Date	95 07 17	95 08 20	95 09 13	95 11 23	960416	960715	960811	960912	961205	95 07 17	95 08 20	95 09 13	95 11 23	960715	960811	960912	961205	970708	980831	95 07 15	95 08 19	95 09 12	95 11 23
Arsenic D-As	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.00015	0.00013	0.00015	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.00013	0.00012	0.00013	0.0002	0.0001	0.0002	0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	<0.01	<0.01	<0.01	<0.01	<0.01	0.00153	0.00143	0.00157	0.00228	<0.01	<0.01	<0.01	<0.01	0.00225	0.00134	0.00143	0.00221	0.00164	0.00148	<0.01	<0.01	<0.01	<0.01
Beryllium D-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1
Boron D-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.003	<0.001	0.002	<0.1	<0.1	<0.1	<0.1	0.002	0.002	<0.001	0.002	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	0.00008	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	0.00007	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.01	0.992	0.991	1.47	1.74	0.97	1.05	1.05	1.98	0.981	1.04	0.954	1.32	1	1.06	1.03	1.62	1.06	1	0.945	0.978	0.988	1.29
Chromium D-Cr	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	0.0002	0.0001	<0.0005	<0.015	<0.015	<0.015	<0.015	0.0001	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015
Cobalt D-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001
Copper D-Cu	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.0012	0.0013	0.002	<0.01	<0.01	<0.01	<0.01	0.0009	0.0012	0.0011	0.0018	0.0011	0.0009	<0.01	<0.01	<0.01	<0.01
Iron D-Fe	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	0.02	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead D-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00009	<0.00005	0.00014	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00007	0.00013	<0.00005	<0.001	<0.001	<0.001	<0.001
Lithium D-Li	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.002	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015
Magnesium D-Mg	0.529	0.525	0.56	0.791	0.85	0.533	0.546	0.627	1.07	0.535	0.542	0.544	0.722	0.531	0.625	0.616	0.93	0.57	0.5	0.426	0.436	0.427	0.631
Manganese D-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	0.00048	0.001	0.00063	0.00028	<0.005	<0.005	<0.005	<0.005	0.00048	0.00106	0.00056	0.00023	0.00142	0.0003	<0.005	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00007	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001
Nickel D-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0004	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	<0.001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.227	0.247	0.225	0.341	0.33	0.25	0.28	0.38	0.75	0.226	0.272	0.219	0.304	0.24	0.28	0.35	0.65	0.35	0.23	0.252	0.252	0.209	0.425
Silver D-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.008	0.009	0.01	0.007	0.001	0.0038	0.0041	0.004	0.0065	0.008	0.009	0.01	<0.001	0.0039	0.004	0.0039	0.0065	0.0042	0.005	0.009	0.01	0.013	0.007
Thallium D-Tl	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1
Tin D-Sn	<0.03	<0.03	<0.03	<0.3	<0.03	0.0002	0.0002	0.0001	0.0001	<0.03	<0.03	<0.03	<0.3	0.0004	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W	<0.1	<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1							<0.1	<0.1	<0.1	<0.1
Uranium D-U	<0.0005	<0.0005	<0.00005	0.00009	0.00008				0.00017	<0.0005	<0.0005	<0.00005	0.00008				0.00017		0.0001	<0.0005	<0.0005	<0.00005	0.00015
Vanadium D-V	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03
Zinc D-Zn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.002	0.003	0.003	<0.005	<0.005	<0.005	<0.005	<0.001	0.001	0.002	0.003	0.001	<0.001	<0.005	<0.005	<0.005	<0.005
Organic Parameters																							
Chlorophyll	0.16	0.36	0.46	nd		0.22	0.48	0.59		0.38	0.45	0.5	nd	0.19	0.47	0.38				0.19	0.97	0.96	nd
Total Organic Carbon C	2.7	2.3	2.1	2.9	3.1	3	2.6	5.5	3.9	2.6	2.2	2.2	2.3	3	2.6	4	4			4.3	2.8	2.4	3.7
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene							-		-						-		-						
Acenaphthylene							-		-						-		-						
Acridine							-		-						-		-						
Anthracene							-		-						-		-						
Benzo(a)anthracene							-		-						-		-						
Benzo(a)pyrene							-		-						-		-						
Benzo(b)fluoranthene							-		-						-		-						
Benzo(g,h,i)perylene							-		-						-		-						
Benzo(k)fluoranthene							-		-						-		-						
Chrysene							-		-						-		-						
Dibenz(a,h)anthracene							-		-						-		-						
Fluoranthene							-		-						-		-						
Fluorene							-		-						-		-						
Indeno(1,2,3-c,d)pyrene							-		-						-		-						
Naphthalene							-		-						-		-						
Phenanthrene							-		-						-		-						
Pyrene							-		-						-		-						

Final Report - Jericho Water Quality							Carat L											Carat L					
							JD-01											JD-01					
Station	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-04	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-05	CL 96001
	03-V1	03-V1	03-V1	403	03-V1	03-V1	403	04-1V	04-V1	04-V1	V1	04-V1	04-V1	04-V1	404	04-V1	04-V1	404	05-1V	05-V1	05-V1	V1	05-V1
				V1			V1								V1			V1					
Date	960416	960715	960810	960903	961204	970708	980831	95 07 15	95 08 19	95 09 12	95 11 23	960416	960714	960810	960903	961204	970708	980831	95 07 15	95 08 19	95 09 10	95 11 23	960416
Time	17:18		14:30	11:55	11:40	17:50	10:50	12:00	11:27	13:37	11:35	16:55	14:03	16:45	13:19	11:17	18:12	10:40	10:55	13:00	15:20	10:45	16:16
Physical Tests																							
Total Dissolved Solids	15	8	7	9	11			10	8	10	14	15	8	7	8	13			11	9	10	15	15
Conductivity (umhos/cm)					6.05	12	11									6.59	12	9					
Hardness CaCO3	6.75	4.19	4.43	4.47	6.64	4.26	4.98	4.17	4.35	4.44	6	6.84	4.39	4.94	4.58	6.58	4.14	4.83	4.18	4.33	4.29	6.33	6.76
pH	6.48	6.5	6.89	see below		5.9	6.38	6.35	6.64	6.8	6.77	6.61	6.5	6.85	6.83		6.03	6.33	6.41	6.77	6.92	6.76	6.88
Total Suspended Solids	<1	<1	5	1	1	2	<1	<1	<1	2	<1	<1	1	3	1	1	<1	<1	2	<1	<1	<1	3
Turbidity (NTU)						0.4	0.6										0.4	0.5					
Dissolved Anions																							
Acidity CaCO3	1.8	<1	1.9	2	2			1.7	3	1.9	3.5	1.8	1	1	2	2			1.9	2.4	1.9	4.3	1.8
Alkalinity-Total CaCO3	5.5	3.7	3.4	4.3	5	4	4	4.9	4.2	4.2	5.7	5.4	4	3.2	4.2	6	4	4	5.6	4	4.1	6.2	5.5
Alkalinity - Bicarbonate CaCO3	5.5	3.7	3.4	4.3	5			4.9	3.6	4.2	5.7	5.4	4	3.2	4.2	6			5.6	5	4.1	6.2	5.5
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1
Chloride Cl	1.4	0.5	0.7	0.6	<0.5	1.2	<0.5	0.9	<0.5	0.7	0.8	1.3	0.6	0.7	0.8	0.8	1.3	<0.5	0.9	0.5	0.7	0.8	1
Fluoride F	0.04	0.03	0.03	0.04	0.03			0.03	0.02	0.02	0.03	0.04	0.03	0.03	0.04	0.04			0.03	0.02	0.02	0.03	0.06
Sulphate SO4	1.5	<1	<1	<1	1	2	<1	<1	<1	1.3	1.9	1.5	<1	<1	<1	1	<1	<1	<1	<1	1.6	2.1	1.3
Nutrients																							
Ammonia Nitrogen N	0.026	<0.005	<0.005	0.013	0.01			0.014	0.009	<0.005	0.012	0.028	0.007	<0.005	0.011	0.24			0.013	0.005	<0.005	0.017	0.028
Nitrate Nitrogen N	0.017	<0.005	<0.005	0.012	0.033	0.013	0.011	0.011	<0.005	<0.005	0.02	0.011	<0.005	<0.005	0.066	0.025	0.021	0.008	0.013	<0.005	<0.005	0.028	0.009
Nitrite Nitrogen N	0.001	<0.001	0.001	0.002	0.001			0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	0.001			0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.004	0.001	0.002	0.001	<0.001			0.001	<0.001	0.002	<0.001	0.003	0.001	0.002	0.003	<0.001			<0.001	<0.001	<0.001	<0.001	0.006
Total Dissolved Phosphate P	0.004	0.002	0.002	0.001	0.002			0.006	<0.001	0.002	<0.001	0.003	0.002	0.002	0.005	0.002			0.002	0.003	<0.001	<0.001	0.006
Total Phosphorus P	0.004	0.005	0.005	0.002	0.003			0.006	<0.001	0.006	<0.001	0.004	0.005	0.004	0.007	0.005			0.005	0.005	0.003	<0.001	0.007
Total Metals																							
Aluminum T-Al	0.027	0.028	0.039	0.062	0.041	0.023	0.014	0.035	0.026	0.035	0.022	0.024	0.027	0.021	0.058	0.041	0.027	0.014	0.034	0.026	0.38	0.022	0.028
Antimony T-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic T-As	0.0003	0.00019	0.00022	0.00022	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	0.001	0.0003	0.00018	0.00665	0.00016	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	0.0001	0.0002
Barium T-Ba	<0.01	0.00228	0.00223	0.00212	0.00262	0.00202	0.0014	<0.01	<0.01	<0.01	<0.01	<0.01	0.00211	0.00206	0.00232	0.00277	0.00204	0.00138	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium T-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1
Boron T-B	<0.1	0.001	0.003	0.004	0.001	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.022	0.003	0.001	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.61	0.99	1.11	1.03	1.23	0.95	1.14	0.977	1.05	1.08	1.43	1.71	0.98	1.08	1.06	1.52	0.95	1.1	1.01	1.08	1.72	1.4	1.7
Chromium T-Cr	<0.01	0.0001	0.0003	0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	0.0007	0.0002	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01
Cobalt T-Co	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper T-Cu	<0.01	0.001	0.0013	0.001	0.0016	0.001	0.0009	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.0012	0.001	0.0017	0.001	0.0009	<0.01	<0.01	<0.01	<0.01	<0.01
Iron T-Fe	<0.03	0.03	0.03	0.03	0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.02	0.03	0.02	<0.03	0.04	<0.03	<0.03	0.031	<0.03	<0.03
Lead T-Pb	<0.001	0.00005	0.00017	<0.00005	0.00019	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00008	<0.00005	0.00007	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium T-Li	<0.01	<0.001	0.002	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	0.023	<0.015	<0.01
Magnesium T-Mg	0.67	0.431	0.462	0.5	0.63	0.44	0.6	0.445	0.439	0.467	0.646	0.7	0.425	0.434	0.524	0.74	0.47	0.5	0.448	0.456	0.466	0.7	0.66
Manganese T-Mn	<0.005	0.00294	0.00229	0.00278	0.00342	0.00548	0.00284	<0.005	<0.005	<0.005	<0.005	<0.005	0.003	0.00717	0.00302	0.00209	0.00663	0.0029	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel T-Ni	<0.001	0.0003	0.0004	0.0003	0.0004	0.0003	0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0004	0.0003	0.0005	0.0003	0.0003	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.33	0.23	0.23	0.39	0.71	0.37	0.3	0.277	0.258	0.238	0.39	0.34	0.23	0.23	0.3	0.77	0.38	0.3	0.275	0.265	0.236	0.425	0.32
Silver T-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.01	0.0091	0.0064	0.0057	0.0064	0.0051	0.0049	0.011	0.012	0.013	0.01	0.01	0.0091	0.0073	0.0058	0.0074	0.0054	0.0048	0.011	0.012	0.017	0.01	0.009
Thallium T-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1
Tin T-Sn	<0.03	0.0003	0.0003	0.0002	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	<0.03	0.0003	0.0004	0.0001	0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W								<0.1	<0.1	<0.1	<0.1								<0.1	<0.1	<0.1	<0.1	
Uranium T-U	0.00015				0.00027		0.00026	<0.0005	<0.0005	<0.0005	0.00016	0.00015				0.00028		0.00026	<0.0005	<0.0005	<0.0005	0.00018	0.00015
Vanadium T-V	<0.03	<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	0.0003	0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03
Zinc T-Zn	<0.005	<0.001	0.002	0.001	0.002	0.001	0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.019	<0.001	0.002	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Metals																							
Aluminum D-Al	0.022	0.018	0.017	0.034	0.03	0.02	0.007	0.017	0.015	0.013	0.019	0.022	0.026	0.042	0.027	0.03	0.021	0.007	0.017	0.015	0.015	0.028	0.026
Antimony D-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Station	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-04	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-05	CL 96001
	03-V1	03-V1	03-V1	403	03-V1	03-V1	403	04-1V	04-V1	04-V1	V1	04-V1	04-V1	04-V1	404	04-V1	04-V1	404	05-1V	05-V1	05-V1	V1	05-V1
				V1			V1								V1			V1					
Date	960416	960715	960810	960903	961204	970708	980831	95 07 15	95 08 19	95 09 12	95 11 23	960416	960714	960810	960903	961204	970708	980831	95 07 15	95 08 19	95 09 10	95 11 23	960416
Arsenic D-As	0.0002	0.00019	0.0002	0.00019	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	0.00019	0.00028	0.00018	0.0003	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0002
Barium D-Ba	<0.01	0.00216	0.00202	0.0019	0.00244	0.00212	0.00142	<0.01	<0.01	<0.01	<0.01	<0.01	0.00212	0.00219	0.00255	0.0026	0.00202	0.00133	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium D-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1
Boron D-B	<0.1	<0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.1	0.002	0.006	0.003	0.001	0.001	0.001	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.61	0.98	1.03	1.03	1.33	0.95	1.13	0.943	1.02	1.02	1.37	1.64	1.04	1.1	1.09	1.46	0.93	1.07	0.965	1.01	0.995	1.41	1.59
Chromium D-Cr	<0.01	0.0001	0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01	0.0002	0.0003	0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01
Cobalt D-Co	<0.001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper D-Cu	<0.01	0.0009	0.001	0.001	0.0014	0.0019	0.0014	<0.01	<0.01	<0.01	<0.01	<0.01	0.0008	0.0013	0.0009	0.0016	0.001	0.0009	<0.01	<0.01	<0.01	<0.01	<0.01
Iron D-Fe	<0.03	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead D-Pb	<0.001	<0.00005	0.00017	<0.00005	<0.00005	0.00007	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00021	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium D-Li	<0.01	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.005	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01
Magnesium D-Mg	0.66	0.419	0.452	0.463	0.66	0.46	0.5	0.441	0.439	0.46	0.628	0.66	0.433	0.532	0.451	0.71	0.44	0.5	0.429	0.436	0.438	0.68	0.67
Manganese D-Mn	<0.005	0.00097	0.00046	0.00102	0.00158	0.00372	0.00108	<0.005	<0.005	<0.005	<0.005	<0.005	0.00095	0.00314	0.00282	0.00043	0.00416	0.00111	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel D-Ni	<0.001	0.0003	0.0003	0.0003	0.0004	0.0003	0.0004	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0005	0.0004	0.0003	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.33	0.22	0.21	0.37	0.71	0.37	0.29	0.253	0.258	0.221	0.395	0.33	0.21	0.21	0.26	0.72	0.37	0.29	0.254	0.25	0.218	0.422	0.32
Silver D-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.01	0.0091	0.0061	0.0056	0.0065	0.0052	0.0048	0.011	0.011	0.013	0.01	0.01	0.0091	0.0076	0.0065	0.0072	0.0053	0.0047	0.011	0.01	0.013	0.01	0.011
Thallium D-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1
Tin D-Sn	<0.03	0.0003	0.0003	0.0002	0.0002	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	<0.3	0.0002	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W								<0.1	<0.1	<0.1	<0.1								<0.1	<0.1	<0.1	<0.1	
Uranium D-U	0.00014				0.00025		0.00023	<0.0005	<0.0005	<0.00005	0.00015	0.00015				0.00027		0.00024	<0.0005	<0.0005	<0.00005	0.00016	0.00015
Vanadium D-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03
Zinc D-Zn	<0.005	0.001	0.002	0.001	0.001	0.001	0.003	<0.005	<0.005	<0.005	<0.005	<0.005	0.002	0.002	0.002	0.001	0.001	0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Organic Parameters																							
Chlorophyll		0.44	0.77	3.3				0.4	0.66	0.45	nd			0.26	0.52	3.1			0.37	0.68	1	nd	
Total Organic Carbon C	4	3.8	3.1	0.62	4.4			3.2	2.7	2.5	3.7	3.9	3.4	3	0.66	4.8			3.2	2.8	2.5	3.9	4.4
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene			-	-	-									-	-	-							
Acenaphthylene			-	-	-									-	-	-							
Acridine			-	-	-									-	-	-							
Anthracene			-	-	-									-	-	-							
Benzo(a)anthracene			-	-	-									-	-	-							
Benzo(a)pyrene			-	-	-									-	-	-							
Benzo(b)fluoranthene			-	-	-									-	-	-							
Benzo(g,h,i)perylene			-	-	-									-	-	-							
Benzo(k)fluoranthene			-	-	-									-	-	-							
Chrysene			-	-	-									-	-	-							
Dibenz(a,h)anthracene			-	-	-									-	-	-							
Fluoranthene			-	-	-									-	-	-							
Fluorene			-	-	-									-	-	-							
Indeno(1,2,3-c,d)pyrene			-	-	-									-	-	-							
Naphthalene			-	-	-									-	-	-							
Phenanthrene			-	-	-									-	-	-							
Pyrene			-	-	-									-	-	-							

Final Report - Jericho Water Quality						Carat L												Jericho L					
						JD-01												JD-01					
Station	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-06	CL 96001	CL96	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL96-002	CL96003
	05-V1	05-V1	405	05-V1	05-V1	405	06-1V	06-V1	06-V1	V1	06-V1	206	06-V1	06-V1	06-V1	06-V1	06-V1	406	07-V1	07-V1	07-V1	07-V1	07-V1
			V1			V1						V1						V1					
Date	960714	960810	960903	961204	970708	980831	95 07 15	95 08 20	95 09 10	95 11 23	960419	960723	960715	960812	960914	961204	970708	980831	95 07 17	95 08 22	95 09 10	960715	960813
Time	16:01	17:35	15:20	10:45	18:44	10:30	9:15	16:20	10:30	13:30	08:50	21:49	13:36	15:05	12:18	12:10	13:38	10:20	13:00	17:08	16:55	16:45	10:00
Physical Tests																							
Total Dissolved Solids	8	8	8	13			10	8	10	14	16	7	-	8	9	12			9	8	11	8	12
Conductivity (umhos/cm)				6.5	12	158									5.14	6.06	12	9					
Hardness CaCO3	4.49	4.8	4.59	6.68	4.51	61.4	4.3	4.35	4.19	6.45	7.8	4.64	-	4.85	6.97	6.66	4.46	5.15	4.21	4.51	4.78	4.9	5.65
pH	6.5	6.89	6.54		6.19	6.76	6.38	6.76	6.56	6.65	6.25	6.41	-	6.76			6.16	6.29	6.36	5.68	6.84	6.43	6.94
Total Suspended Solids	<1	3	4	5	<1	1	<1	<1	1	2	<1	3	-	2	1	1	<1	<1	<1	<1	3	<1	<1
Turbidity (NTU)					0.4	0.3											0.4	0.4					
Dissolved Anions																							
Acidity CaCO3	2	1.7	2	2			1.3	2.4	4.8	2.9	1.8	1.9	-	1.5	2	2			1.3	2.4	4.1	2.9	1.9
Alkalinity-Total CaCO3	4.1	3.7	4	5	4	4	5.4	4	4.2	5.2	6.2	3.2	-	3.5	3.2	5	4	4	3.8	4.1	4.2	3.8	2.1
Alkalinity - Bicarbonate CaCO3	4.1	3.7	4	5			5.4	3.7	4.2	5.2	6.2	3.2	-	3.5	3.2	5			3.8	4.1	4.2	3.8	2.1
Alkalinity - Carbonate CaCO3	1	<1	<1	<1			<1	<1	<1	<1	<1	<1	-	<1	<1	<1			<1	<1	<1	<1	<1
Chloride Cl	0.6	0.7	0.8	1.3	1.2	39	0.7	<0.5	0.5	1.1	1.6	0.7	-	0.7	0.7	1.2	0.9	0.7	0.6	<0.5	<0.5	<0.5	0.6
Fluoride F	<0.02	0.03	0.03	0.04			0.03	0.02	0.02	0.03	0.03	<0.02	-	0.05	0.04	0.03			0.03	0.02	0.02	0.02	<0.02
Sulphate SO4	<1	<1	<1	1	1	2	<1	<1	1.5	1.4	1.6	<1	-	<1	<1	1	<1	1	<1	<1	2.2	<1	<1
Nutrients																							
Ammonia Nitrogen N	<0.005	<0.005	0.007	0.018			0.013	<0.005	<0.005	0.017	0.033	0.005	-	0.023	<0.005	0.015			0.01	0.012	<0.005	<0.005	0.014
Nitrate Nitrogen N	<0.005	<0.005	0.007	0.018	0.018	2.5	<0.005	<0.005	<0.005	0.008	0.01	<0.005	-	0.042	0.007	0.011	0.005	<0.005	0.005	0.01	0.006	<0.005	<0.005
Nitrite Nitrogen N	<0.001	0.001	0.001	0.001			0.001	<0.001	<0.001	0.001	0.001	0.001	-	0.001	0.001	<0.001			0.001	0.001	<0.001	<0.001	<0.001
Dissolved ortho-Phosphate P	0.002	0.006	0.004	0.001			0.001	<0.001	<0.001	<0.001	0.002	0.002	-	0.003	<0.001	0.001			<0.001	<0.001	<0.001	0.002	<0.001
Total Dissolved Phosphate P	0.002	0.006	0.004	0.002			0.003	0.002	0.002	<0.001	0.002	0.003	-	0.003	0.002	0.002			0.003	0.002	0.003	0.003	0.002
Total Phosphorus P	0.007	0.007	0.009	0.003			0.004	0.004	0.004	<0.001	0.005	0.005	-	0.005	0.003	0.005			0.004	0.004	0.005	0.003	0.004
Total Metals																							
Aluminum T-Al	0.027	0.033	0.061	0.031	0.026	0.031	0.03	0.023	0.026	0.021	0.026	0.036	-	0.028	0.034	0.028	0.026	0.012	0.03	0.038	0.037	0.044	0.036
Antimony T-Sb	<0.00005	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	-	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
Arsenic T-As	0.0002	0.00023	0.00018	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0003	0.00017	-	0.00021	0.00018	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	0.00022	0.00022
Barium T-Ba	0.00226	0.00214	0.00236	0.00281	0.00191	0.0379	<0.01	<0.01	<0.01	<0.01	<0.01	0.00196	-	0.002	0.00215	0.00268	0.00211	0.00153	<0.01	<0.01	<0.01	0.00272	0.00279
Beryllium T-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron T-B	<0.001	0.003	0.006	0.001	<0.001	0.005	<0.1	<0.1	<0.1	<0.1	<0.1	0.003	-	0.002	<0.001	0.001	<0.001	<0.001	<0.1	<0.1	<0.1	<0.001	0.003
Cadmium T-Cd	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	-	0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	0.00008	<0.00005
Calcium T-Ca	1.01	1.07	1.09	1.47	0.93	18.2	0.993	1.02	0.995	1.54	1.89	1.03	-	1.08	1.11	1.35	1.03	1.04	1.01	1.05	1.12	1.12	1.34
Chromium T-Cr	0.0001	0.0002	0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	-	0.0002	0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	0.0002	0.0002
Cobalt T-Co	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	-	0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	0.0001
Copper T-Cu	0.0009	0.0009	0.001	0.0014	0.0011	0.0015	<0.01	<0.01	<0.01	<0.01	<0.01	0.001	-	0.001	0.0011	0.0011	0.0011	0.0008	<0.01	<0.01	<0.01	0.0012	0.0021
Iron T-Fe	0.03	0.02	0.03	<0.01	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.02	-	0.03	0.03	<0.01	<0.03	<0.03	0.032	0.049	0.051	0.07	0.13
Lead T-Pb	<0.00005	0.00005	<0.00005	0.00006	<0.00005	0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.00005	0.00008
Lithium T-Li	<0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01	0.002	-	0.001	<0.001	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.001	0.002
Magnesium T-Mg	0.435	0.485	0.467	0.69	0.43	4.7	0.442	0.456	0.464	0.67	0.78	0.516	-	0.516	0.545	0.64	0.46	0.5	0.447	0.472	0.496	0.482	0.555
Manganese T-Mn	0.00337	0.0025	0.00318	0.00153	0.00577	0.0477	<0.005	<0.005	<0.005	<0.005	<0.005	0.00226	-	0.00288	0.00272	0.00108	0.00406	0.00197	<0.005	<0.005	<0.005	0.00244	0.00275
Mercury T-Hg					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005						<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Molybdenum T-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.001	<0.001	<0.001	<0.00005	<0.00005
Nickel T-Ni	0.0003	0.0003	0.0004	0.0004	0.0004	0.0012	<0.001	<0.001	0.003	<0.001	<0.001	0.0003	-	0.0003	0.0003	0.0004	0.0004	0.0002	<0.001	0.002	<0.001	0.0004	0.0004
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon T-Si	0.22	0.22	0.3	0.56	0.37	2.35	0.217	0.275	0.222	0.331	0.37	0.24	-	0.24	0.33	0.46	0.33	0.24	0.176	0.295	0.492	0.45	0.34
Silver T-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium T-Na	<2	<2	<2	<2	<2	3	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.0091	0.0066	0.0066	0.0084	0.0051	0.138	0.011	0.01	0.013	0.01	0.011	0.0059	-	0.006	0.0063	0.008	0.0052	0.005	0.011	0.01	0.011	0.0091	0.0069
Thallium T-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin T-Sn	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.03	<0.03	0.0001	-	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.0001	<0.0001
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W							<0.1	<0.1	<0.1	<0.1									<0.1	<0.1	<0.1		
Uranium T-U				0.00023		0.0001	<0.0005	<0.0005	<0.0005	0.00016	0.00014	0.0001				0.00017		0.0001	<0.0005	<0.0005	<0.0005		
Vanadium T-V	<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	-	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc T-Zn	<0.001	<0.001	<0.001	0.001	0.003	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	<0.001	<0.001	<0.001	0.003	<0.001	<0.005	<0.005	<0.005	<0.001	0.001
Dissolved Metals																							
Aluminum D-Al	0.025	0.017	0.032	0.025	0.02	0.033	0.014	0.016	0.013	0.018	0.022	0.024	-	0.03	0.035	0.021	0.017	0.005	0.014	0.01	0.021	0.048	0.021
Antimony D-Sb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.00005	<0.00005

Station	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL-06	CL 96001	CL96	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL95 001	CL95002	CL95003	CL96-002	CL96003
	05-V1	05-V1	405	05-V1	05-V1	405	06-1V	06-V1	06-V1	V1	06-V1	206	06-V1	06-V1	06-V1	06-V1	06-V1	406	07-V1	07-V1	07-V1	07-V1	07-V1
			V1			V1						V1						V1					
Date	960714	960810	960903	961204	970708	980831	95 07 15	95 08 20	95 09 10	95 11 23	960419	960723	960715	960812	960914	961204	970708	980831	95 07 17	95 08 22	95 09 10	960715	960813
Arsenic D-As	0.00018	0.00019	0.00018	0.0001	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	0.00017	-	0.00023	0.00019	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	0.00022	0.00025
Barium D-Ba	0.00225	0.00205	0.00215	0.00271	0.00203	0.0375	<0.01	<0.01	<0.01	<0.01	<0.01	0.00203	-	0.00197	0.00237	0.00267	0.00195	0.00123	<0.01	<0.01	<0.01	0.00354	0.00264
Beryllium D-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron D-B	0.002	0.002	0.004	0.001	0.001	0.005	<0.1	<0.1	<0.1	<0.1	<0.1	0.002	-	0.004	0.004	0.001	0.001	0.001	<0.1	<0.1	<0.1	0.003	0.002
Cadmium D-Cd	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00005	-	0.00025	0.00011	0.00005	0.00005	0.00009	<0.0002	<0.0002	<0.0002	0.00033	<0.00005
Calcium D-Ca	1.1	1.07	1.09	1.47	1.02	17.3	0.993	0.991	0.947	1.52	1.84	1.02	-	1.11	1.19	1.38	1.03	1.09	0.977	1.03	1.1	1.13	1.3
Chromium D-Cr	0.0001	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	-	0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.015	<0.015	<0.015	0.0002	0.0002
Cobalt D-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Copper D-Cu	0.0009	0.0009	0.0009	0.0014	0.001	0.0017	<0.01	<0.01	<0.01	<0.01	<0.01	0.0011	-	0.0011	0.0016	0.0012	0.001	0.0015	<0.01	<0.01	<0.01	0.0012	0.0013
Iron D-Fe	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	-	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	0.08
Lead D-Pb	0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00014	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	-	0.00025	0.00027	<0.00005	<0.00005	0.00019	<0.001	<0.001	<0.001	0.00006	<0.00005
Lithium D-Li	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01	0.001	-	0.003	0.002	<0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.001	0.001
Magnesium D-Mg	0.423	0.519	0.453	0.69	0.48	4.4	0.442	0.456	0.443	0.646	0.78	0.509	-	0.508	0.529	0.64	0.46	0.6	0.431	0.472	0.496	0.501	0.582
Manganese D-Mn	0.0013	0.00063	0.00115	0.00046	0.00385	0.0459	<0.005	<0.005	<0.005	<0.005	<0.005	0.00062	-	0.00064	0.00114	0.0005	0.0011	0.00064	<0.005	<0.005	<0.005	0.00179	0.00186
Mercury D-Hg					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005						<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Molybdenum D-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	<0.00005	<0.00005	<0.00005	0.00009	<0.00005	<0.001	<0.001	<0.001	<0.00005	<0.00005
Nickel D-Ni	0.0003	0.0003	0.0003	0.0004	0.0003	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	-	0.0003	0.0003	0.0004	0.0004	0.0007	<0.001	<0.001	<0.001	0.0014	0.0004
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon D-Si	0.2	0.21	0.28	0.55	0.39	2.23	0.213	0.234	0.205	0.321	0.37	0.23	-	0.24	0.32	0.49	0.32	0.29	0.164	0.244	0.479	0.45	0.32
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium D-Na	<2	<2	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.0091	0.0065	0.0065	0.0081	0.0052	0.133	0.011	0.01	0.013	0.01	0.011	0.0059	-	0.006	0.0065	0.008	0.0052	0.0042	0.011	0.01	0.011	0.0091	0.0066
Thallium D-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin D-Sn	0.0006	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	<0.03	0.0001	-	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.0001	<0.0001
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W							<0.1	<0.1	<0.1	<0.1									<0.1	<0.1	<0.1		
Uranium D-U				0.00022		0.00011	<0.0005	<0.0005	<0.00005	0.00016	0.00014	0.00009				0.00018		0.00008	<0.0005	<0.0005	<0.00005		
Vanadium D-V	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	-	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc D-Zn	0.001	0.001	<0.001	<0.001	<0.001	0.003	<0.005	<0.005	<0.005	<0.005	<0.005	0.004	-	0.001	0.003	0.001	0.001	0.004	<0.005	<0.005	<0.005	0.002	0.001
Organic Parameters																							
Chlorophyll	0.37	0.62	3.1				0.11	0.66	0.85	nd		0.5	-	1.01	0.48				0.06	0.53	0.52	0.17	0.55
Total Organic Carbon C	3.8	3	0.67	4.5			3.2	2.9	2.7	4.3	3.9	3.3	-	3.4	4.5	4.2			3.3	3	2.9	5	8.2
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene		-	-	-								-		-		-							-
Acenaphthylene		-	-	-								-		-		-							-
Acridine		-	-	-								-		-		-							-
Anthracene		-	-	-								-		-		-							-
Benzo(a)anthracene		-	-	-								-		-		-							-
Benzo(a)pyrene		-	-	-								-		-		-							-
Benzo(b)fluoranthene		-	-	-								-		-		-							-
Benzo(g,h,i)perylene		-	-	-								-		-		-							-
Benzo(k)fluoranthene		-	-	-								-		-		-							-
Chrysene		-	-	-								-		-		-							-
Dibenz(a,h)anthracene		-	-	-								-		-		-							-
Fluoranthene		-	-	-								-		-		-							-
Fluorene		-	-	-								-		-		-							-
Indeno(1,2,3-c,d)pyrene		-	-	-								-		-		-							-
Naphthalene		-	-	-								-		-		-							-
Phenanthrene		-	-	-								-		-		-							-
Pyrene		-	-	-								-		-		-							-

Final Report - Jericho Water Quality																							
Station	CL 96004	CL95 001	CL95002	CL95003	CL-08	CL96 002	CL96-003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-09	CL96 002	CL96003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-10	CL96 002	CL96003
	07-V1	08-V1	08-V1	08-V1	V1	08-V1	08-V1	08-V1	08-V1	09-V1	09-V1	09-V1	V1	09-V1	09-V1	09-V1	09-V1	10-V1	10-V1	10-V1	V1	10-V1	10-V1
Date	960914	95 07 17	95 08 22	95 09 13	95 11 24	960715	960812	960914	961205	95 07 18	95 08 22	95 09 12	95 11 25	960716	960813	960914	961205	95 07 18	95 08 22	95 09 12	95 11 25	960716	960813
Time		14:20	16:02	10:03	15:25	15:28	16:25	15:36	14:10	10:20	13:10	18:20	10:00	11:55	11:26	14:50	14:00	11:20	11:36	17:32	10:40	11:05	12:13
Physical Tests																							
Total Dissolved Solids	9	9	15	11	16	8	8	11	21	10	10	10	19	11	11	11	11	7	6	10	7	9	6
Conductivity (umhos/cm)	5.59							6.35	14.9							7.34	6.79						
Hardness CaCO3	6.86	5.26	5.55	5.84	7.08	5.59	6.14	6.96	6.5	5.51	5.88	4.13	8.98	6.59	7.23	6.97	6.62	3.44	3.54	3.31	4.42	5.52	3.54
pH		6.51	6.89	6.75	6.59	6.67	7.02			6.54	6.86	6.78	6.48	6.6	7.04			6.56	6.71	6.8	6.53	5.56	6.8
Total Suspended Solids	1	3	<1	1	2	<1	8	1	26	4	1	1	<1	7	1	<1	2	1	3	1	2	8	-
Turbidity (NTU)																							
Dissolved Anions																							
Acidity CaCO3	2	1.4	2.2	1.9	4.9	1.6	1.7	2	8	2.1	2.6	1.7	4.3	2	2.3	2	3	1.1	2.2	2.5	3.9	2	2.7
Alkalinity-Total CaCO3	3.8	4.4	5.1	5.6	5.9	5.3	5.1	5.8	12	4.8	5.5	4.4	7.4	4.7	6.6	5.7	6	3.2	3.3	3.4	3.1	1.2	3.1
Alkalinity - Bicarbonate CaCO3	3.8	4.4	5.1	5.6	5.9	5.3	5.1	5.8	12	4.8	5.5	4.4	7.4	4.7	6.6	5.7	6	3.2	3.3	3.4	3.1	1.2	3.1
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride Cl	0.7	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	0.6	0.6	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	0.5	0.7	<0.5	<0.5
Fluoride F	0.03	0.03	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.03	0.02	0.02	0.04	0.04	0.03	<0.02	0.02	0.03	<0.02	<0.02
Sulphate SO4	<1	<1	<1	1.6	3.3	<1	<1	1.1	2	<1	<1	2	4.3	<1	<1	<1	<1	<1	<1	2.3	<1	3.3	1.5
Nutrients																							
Ammonia Nitrogen N	<0.005	0.011	<0.005	<0.005	0.008	<0.005	0.017	<0.005	0.023	0.011	0.007	<0.005	0.009	0.005	0.016	<0.005	0.006	0.011	<0.005	<0.005	0.007	0.007	<0.005
Nitrate Nitrogen N	0.007	0.012	0.008	0.007	0.019	<0.005	0.009	<0.005	0.08	<0.005	<0.005	0.008	0.029	0.022	<0.005	0.005	0.022	0.028	0.023	0.026	0.05	0.103	0.034
Nitrite Nitrogen N	0.001	0.001	<0.001	0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	0.001	<0.001	0.001
Dissolved ortho-Phosphate P	0.001	<0.001	0.002	<0.001	<0.001	0.001	<0.001	0.001	0.001	<0.001	0.002	0.001	<0.001	0.001	0.001	0.004	0.002	<0.001	0.001	<0.001	<0.001	0.002	<0.001
Total Dissolved Phosphate P	0.005	0.002	0.002	0.002	<0.001	0.004	0.002	0.001	0.007	0.003	0.002	0.002	<0.001	0.004	0.002	0.007	0.003	0.002	0.001	0.001	<0.001	0.003	0.002
Total Phosphorus P	0.005	0.004	0.003	0.003	<0.001	0.004	0.005	0.002	0.023	0.006	0.005	0.005	<0.001	0.007	0.005	0.007	0.003	0.003	0.003	0.002	<0.001	0.005	0.004
Total Metals																							
Aluminum T-Al	0.047	0.019	0.035	0.03	0.011	0.015	0.017	0.015	0.175	0.026	0.016	0.025	0.01	0.04	0.024	0.029	0.014	0.017	0.015	0.019	0.007	0.012	0.017
Antimony T-Sb	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
Arsenic T-As	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.00013	0.0001	0.00012	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.00018	0.00018	0.00016	<0.0001	0.0002	0.0001	0.0001	<0.0001	0.00029	0.00025
Barium T-Ba	0.00243	<0.01	<0.01	<0.01	<0.01	0.00169	0.00177	0.00176	0.0113	<0.01	<0.01	<0.01	<0.01	0.00238	0.00239	0.00212	0.00245	<0.01	<0.01	<0.01	<0.01	0.0027	0.00233
Beryllium T-Be	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth T-Bi	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron T-B	0.003	<0.1	<0.1	<0.1	<0.1	<0.001	0.002	<0.001	0.002	<0.1	<0.1	<0.1	<0.1	<0.001	0.001	<0.001	0.001	<0.1	<0.1	<0.1	<0.1	<0.001	0.003
Cadmium T-Cd	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	0.00018	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	0.00018	<0.00005
Calcium T-Ca	1.28	1.22	1.31	1.34	1.62	1.2	1.37	1.31	3.32	1.28	1.36	0.954	1.87	1.42	1.59	1.52	1.51	0.77	0.828	0.788	0.821	0.82	0.81
Chromium T-Cr	0.0001	<0.015	<0.015	<0.015	<0.015	<0.0001	0.0002	<0.0001	0.0007	<0.015	<0.015	<0.015	<0.015	0.0003	0.0002	0.0001	<0.0005	<0.015	<0.015	<0.015	<0.015	0.0003	<0.0001
Cobalt T-Co	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	0.0003	<0.001	<0.001	<0.001	<0.001	<0.0001	0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Copper T-Cu	0.0011	<0.01	<0.01	<0.01	<0.01	0.001	0.0011	0.0011	0.002	<0.01	<0.01	<0.01	<0.01	0.0014	0.0012	0.0021	0.0012	<0.01	<0.01	<0.01	<0.01	0.0008	0.0006
Iron T-Fe	0.06	<0.03	<0.03	<0.03	<0.03	0.02	0.03	0.02	0.38	<0.03	0.038	<0.03	<0.03	0.07	0.08	0.05	0.02	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01
Lead T-Pb	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00009	<0.00005	0.00015	<0.001	<0.001	<0.001	<0.001	0.00048	0.00006	0.00005	0.00005	<0.001	<0.001	<0.001	<0.001	0.00093	<0.00005
Lithium T-Li	0.002	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	0.001	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	<0.001	<0.015	<0.015	<0.015	<0.015	<0.001	0.002
Magnesium T-Mg	0.602	0.573	0.616	0.619	0.8	0.574	0.699	0.713	1.5	0.595	0.633	0.455	0.879	0.651	0.811	0.731	0.76	0.389	0.392	0.378	0.411	0.381	0.361
Manganese T-Mn	0.00321	<0.005	<0.005	<0.005	<0.005	0.00087	0.00157	0.00179	0.0419	<0.005	<0.005	<0.005	<0.005	0.00192	0.00283	0.00227	0.00204	<0.005	<0.005	<0.005	<0.005	0.00108	0.00124
Mercury T-Hg		<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005		
Molybdenum T-Mo	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005
Nickel T-Ni	0.0003	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0009	<0.001	<0.001	<0.001	<0.001	0.0005	0.0004	0.0003	0.0003	<0.001	<0.001	<0.001	<0.001	0.0006	0.0005
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon T-Si	0.52	0.122	0.143	0.186	0.193	0.2	0.2	0.25	0.74	0.087	0.141	0.091	0.249	0.41	0.27	0.46	0.29	0.069	0.066	0.057	0.073	0.09	<0.05
Silver T-Ag	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.0067	0.008	0.009	0.01	<0.001	0.0038	0.004	0.004	0.0106	0.009	0.01	0.01	0.007	0.0047	0.0052	0.0049	0.0049	0.009	0.01	0.011	<0.001	0.0043	0.0045
Thallium T-Tl	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin T-Sn	<0.0001	<0.03	<0.03	<0.03	<0.3	0.0003	0.0002	<0.0001	0.0001	<0.03	<0.03	<0.03	<0.3	0.0003	0.0002	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	0.0005	0.0001
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W		<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1		
Uranium T-U		<0.0005	<0.0005	<0.0005	0.00007				0.00013	<0.0005	<0.0005	<0.0005	0.00008				0.00007	<0.0005	<0.0005	<0.0005	<0.00005		
Vanadium T-V	<0.0001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	0.0001	<0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc T-Zn	0.001	<0.005	<0.005	<0.005	<0.005	<0.001	0.002	0.001	0.003	<0.005	<0.005	<0.005	<0.005	0.002	<0.001	0.001	<0.001	<0.005	<0.005	<0.005	<0.005	0.002	<0.001
Dissolved Metals																							
Aluminum D-Al	0.038	0.006	<0.005	0.007	0.009	0.013	0.011	0.028	0.097	0.007	0.008	0.025	0.009	0.033	0.028	0.038	0.011	<0.005	0.005	<0.005	0.13	0.019	0.018
Antimony D-Sb	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	0.00008	<0.00005

Station	CL 96004	CL95 001	CL95002	CL95003	CL-08	CL96 002	CL96-003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-09	CL96 002	CL96003	CL 96004	CL 96005	CL95 001	CL95002	CL95003	CL-10	CL96 002	CL96003
	07-V1	08-V1	08-V1	08-V1	V1	08-V1	08-V1	08-V1	08-V1	09-V1	09-V1	09-V1	V1	09-V1	09-V1	09-V1	09-V1	10-V1	10-V1	10-V1	V1	10-V1	10-V1
Date	960914	95 07 17	95 08 22	95 09 13	95 11 24	960715	960812	960914	961205	95 07 18	95 08 22	95 09 12	95 11 25	960716	960813	960914	961205	95 07 18	95 08 22	95 09 12	95 11 25	960716	960813
Arsenic D-As	0.00019	<0.0001	<0.0001	<0.0001	<0.0001	0.00013	0.00013	0.00012	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.00018	0.00014	0.00015	<0.0001	0.0002	<0.0001	0.0001	<0.0001	0.00027	0.00026
Barium D-Ba	0.00238	<0.01	<0.01	<0.01	<0.01	0.0017	0.00159	0.00182	0.00877	<0.01	<0.01	<0.01	<0.01	0.00248	0.00225	0.00242	0.00234	<0.01	<0.01	<0.01	<0.01	0.0029	0.0023
Beryllium D-Be	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth D-Bi	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron D-B	0.004	<0.1	<0.1	<0.1	<0.1	<0.001	0.002	0.004	0.012	<0.1	<0.1	<0.1	<0.1	<0.001	0.003	0.003	0.001	<0.1	<0.1	<0.1	<0.1	0.001	0.004
Cadmium D-Cd	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	0.00007	<0.00005	0.00014	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.00005
Calcium D-Ca	1.29	1.16	1.25	1.31	1.58	1.27	1.31	1.4	3.51	1.23	1.34	0.909	2.12	1.55	1.59	1.75	1.49	0.751	0.785	0.728	1.11	1.56	0.82
Chromium D-Cr	<0.0001	<0.015	<0.015	<0.015	<0.015	<0.0001	0.0001	<0.0001	<0.0005	<0.015	<0.015	<0.015	<0.015	0.0003	0.0001	0.0004	<0.0005	<0.015	<0.015	<0.015	<0.015	0.0014	<0.0001
Cobalt D-Co	0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Copper D-Cu	0.001	<0.01	<0.01	<0.01	<0.01	0.0009	0.0009	0.0012	0.0018	<0.01	<0.01	<0.01	<0.01	0.0018	0.001	0.0012	0.0011	<0.01	<0.01	<0.01	<0.01	0.0013	0.0006
Iron D-Fe	0.03	<0.03	<0.03	<0.03	<0.03	0.02	0.01	<0.01	0.07	<0.03	<0.03	<0.03	<0.03	0.05	0.04	0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01
Lead D-Pb	0.00028	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00005	<0.00005	0.00008	<0.001	<0.001	<0.001	<0.001	0.00094	0.00006	0.00126	<0.00005	<0.001	<0.001	<0.001	<0.001	0.00532	<0.00005
Lithium D-Li	0.002	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	0.002	0.009	<0.015	<0.015	<0.015	<0.015	<0.001	0.002	0.002	<0.001	<0.015	<0.015	<0.015	<0.015	<0.001	0.003
Magnesium D-Mg	0.579	0.573	0.588	0.619	0.76	0.586	0.696	0.692	1.5	0.591	0.619	0.452	0.896	0.664	0.789	0.722	0.75	0.38	0.383	0.361	0.398	0.395	0.364
Manganese D-Mn	0.00188	<0.005	<0.005	<0.005	<0.005	0.00069	0.00103	0.00068	0.0108	<0.005	<0.005	<0.005	<0.005	0.00146	0.00143	0.00141	0.00104	<0.005	<0.005	<0.005	<0.005	0.00089	0.00091
Mercury D-Hg		<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005		
Molybdenum D-Mo	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	0.00006	<0.00005	0.00006	<0.00005	<0.001	<0.001	<0.001	<0.001	0.00022	<0.00005
Nickel D-Ni	0.0003	<0.001	<0.001	<0.001	<0.001	0.0003	0.0002	0.0002	0.0007	<0.001	<0.001	<0.001	<0.001	0.0005	0.0004	0.0004	0.0003	<0.001	<0.001	<0.001	<0.001	0.0007	0.0005
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon D-Si	0.5	0.122	0.14	0.164	0.189	0.2	0.18	0.25	0.67	0.086	0.141	0.079	0.246	0.4	0.26	0.45	0.32	0.062	0.066	0.053	0.07	0.08	<0.05
Silver D-Ag	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.0064	0.008	0.009	0.01	<0.001	0.0038	0.004	0.0042	0.0109	0.008	0.009	0.01	0.007	0.0046	0.0053	0.0051	0.0049	0.009	0.009	0.01	0.007	0.0047	0.0045
Thallium D-Tl	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin D-Sn	<0.0001	<0.03	<0.03	<0.03	<0.3	0.0003	0.0003	<0.0001	0.0002	<0.03	<0.03	<0.03	<0.3	0.0003	0.0002	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.3	0.0004	0.0001
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W		<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1		
Uranium D-U		<0.0005	<0.0005	<0.00005	0.00006				0.00008	<0.0005	<0.0005	<0.00005	0.00007				0.00007	<0.0005	<0.0005	<0.00005	<0.00005		
Vanadium D-V	<0.0001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc D-Zn	0.001	<0.005	<0.005	<0.005	<0.005	0.001	0.001	0.001	0.002	<0.005	<0.005	<0.005	<0.005	0.002	0.003	0.002	0.001	<0.005	<0.005	<0.005	<0.005	0.006	0.001
Organic Parameters																							
Chlorophyll	0.28	0.06	0.5	0.33	nd	0.05	0.11	0.32		0.19	0.64	0.29	nd	0.12	0.59	0.34		0.15	0.38	0.25	nd	0.19	0.21
Total Organic Carbon C	3.8	2.8	5.8	2.6	3	3.3	3.5	4	5.7	3.1	2.7	1.8	3.1	5.7	5	4.7	3.4	2.3	1.6	1.8	1.8	2.2	1.8
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene							-		-						-		-						-
Acenaphthylene							-		-						-		-						-
Acridine							-		-						-		-						-
Anthracene							-		-						-		-						-
Benzo(a)anthracene							-		-						-		-						-
Benzo(a)pyrene							-		-						-		-						-
Benzo(b)fluoranthene							-		-						-		-						-
Benzo(g,h,i)perylene							-		-						-		-						-
Benzo(k)fluoranthene							-		-						-		-						-
Chrysene							-		-						-		-						-
Dibenz(a,h)anthracene							-		-						-		-						-
Fluoranthene							-		-						-		-						-
Fluorene							-		-						-		-						-
Indeno(1,2,3-c,d)pyrene							-		-						-		-						-
Naphthalene							-		-						-		-						-
Phenanthrene							-		-						-		-						-
Pyrene							-		-						-		-						-

Final Report - Jericho Water Quality																					
Station	CL 96004	CL 96005	CL95002	CL95003	CL-12	CL 96001	CL95002	CL95003	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL 96004	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002
	10-V1	10-V1	12-V1	12-V1	V1	12-V1	13-V1	13-V1	14-V1	14-V1	414	14-V1	15-V1	15-V1	15-V1	15-V1	16-V1	16-V1	416	16-V1	17-V1
											V1								V1		
Date	960914	961205	95 08 18	95 09 10	95 11 22	960417	95 08 18	95 09 10	960717	960811	960906	961205	960717	960811	960914	961205	960717	960811	960906	961203	960718
Time	14:09	13:45	11:35	12:45	13:40	09:45	10:20	13:21	14:52	16:12	13:52	11:22	19:04		19:02	11:10	17:11	14:39	12:00	11:50	18:15
Physical Tests																					
Total Dissolved Solids	7	5	16	15	22	42	15	17	10	11	10	16	12	9	10	14	9	9	10	12	10
Conductivity (umhos/cm)	4.17	3.5										10.9			6.91	9.3				7.44	
Hardness CaCO3	6.86	6.5	8.46	8.19	11.4	23.5	8.81	8.55	6.14	7	6.56	6.82	6.1	6.72	6.76	6.82	5.77	6.51	5.94	6.84	6.21
pH			7.15	6.87	6.95	6.5	6.89	6.85	6.73	7.02	6.74		6.75	7.01			6.83	6.94	6.81		6.83
Total Suspended Solids	1	<1	1	<1	<1	1	<1	<1	4	2	1	2	5	1	3	1	3	8	4	3	4
Turbidity (NTU)																					
Dissolved Anions																					
Acidity CaCO3	2	3	2.4	3.5	3.9	3.6	3.7	3.7	2	1.9	2	4	3.5	1.5	2	3	2	1.9	2	3	2
Alkalinity-Total CaCO3	3.3	<1	8.3	8.9	11.1	22.8	8.5	7.7	5.1	5.9	5.1	10	4.2	5.9	5.6	7	4.8	5.1	5.6	6	6.3
Alkalinity - Bicarbonate CaCO3	3.3	<1	8.3	8.9	11.1	22.8	8.5	7.7	5.1	5.9	5.1	10	4.2	5.9	5.6	7	4.8	5.1	5.6	6	6.3
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride Cl	<0.5	<0.5	<0.5	<0.5	1	1	<0.5	0.5	0.6	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.9	<0.5
Fluoride F	0.04	0.03	0.03	0.03	0.04	0.05	0.03	0.02	0.03	0.05	0.03	0.03	0.02	0.03	0.04	0.04	<0.02	0.03	0.04	0.03	0.02
Sulphate SO4	1.3	1	<1	<1	<1	2.5	<1	1.4	<1	<1	<1	<1	1.9	<1	<1	<1	<1	<1	<1	<1	<1
Nutrients																					
Ammonia Nitrogen N	<0.005	0.008	0.034	<0.005	0.028	0.088	0.009	<0.005	0.021	<0.005	0.007	0.035	0.024	0.009	0.007	0.019	0.018	0.01	0.014	0.016	0.015
Nitrate Nitrogen N	0.037	0.041	<0.005	<0.005	0.009	0.048	0.026	0.19	<0.005	<0.005	0.007	0.007	0.056	<0.005	0.01	0.008	0.01	<0.005	<0.005	0.011	<0.005
Nitrite Nitrogen N	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	<0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	0.001	0.005	0.003	0.003	0.001	0.002	0.005	0.001	0.001	0.002	0.001	0.003	<0.001	0.002
Total Dissolved Phosphate P	0.001	0.001	<0.001	0.003	<0.001	0.004	0.001	0.002	0.005	0.003	0.003	0.002	0.003	0.005	0.001	0.003	0.003	0.003	0.003	0.002	0.003
Total Phosphorus P	0.003	0.002	0.003	0.004	<0.001	0.013	0.003	0.003	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.005	0.005	0.027	0.007	0.004	0.009
Total Metals																					
Aluminum T-Al	0.011	0.009	0.04	0.027	0.017	0.026	0.082	0.15	0.038	0.041	0.124	0.042	0.033	0.036	0.032	0.058	0.033	0.029	0.076	0.048	0.038
Antimony T-Sb	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Arsenic T-As	0.00026	0.0003	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	0.00019	0.00024	0.00021	0.0002	0.00018	0.00017	0.00018	0.0001	0.00017	0.00021	0.00018	0.0002	0.0002
Barium T-Ba	0.00252	0.00259	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00192	0.00156	0.0018	0.00191	0.00135	0.0013	0.00126	0.00222	0.00168	0.00166	0.00184	0.0021	0.00131
Beryllium T-Be	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bismuth T-Bi	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron T-B	<0.001	0.001	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.003	0.004	<0.001	0.002	0.004	<0.001	0.001	<0.001	0.002	0.004	<0.001	0.002
Cadmium T-Cd	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.00005	0.00006	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Calcium T-Ca	0.78	0.74	1.77	1.69	2.34	4.98	1.91	1.84	1.46	1.6	1.47	2.47	1.41	1.48	1.5	2.12	1.37	1.46	1.41	1.79	1.51
Chromium T-Cr	<0.0001	<0.0005	<0.015	<0.015	<0.015	<0.01	<0.015	<0.015	0.0001	0.0002	0.0002	<0.0005	<0.0001	0.0001	0.0001	<0.0005	0.0001	0.0002	0.0001	<0.0005	<0.0001
Cobalt T-Co	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper T-Cu	0.0006	0.0007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0014	0.0014	0.0021	0.0027	0.0011	0.0016	0.0011	0.0027	0.0013	0.0013	0.0015	0.0022	0.0011
Iron T-Fe	<0.01	<0.01	0.116	0.1	<0.03	0.11	0.037	0.057	0.04	0.05	0.07	0.01	0.04	0.06	0.04	0.03	0.03	0.04	0.04	0.02	0.07
Lead T-Pb	<0.00005	0.00007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	0.00006	0.00012	<0.00005	0.00007	<0.00005	0.00008	<0.00005	0.00006	<0.00005	0.00011	<0.00005
Lithium T-Li	<0.001	<0.001	<0.015	<0.015	<0.015	<0.01	<0.015	<0.015	<0.001	0.002	0.002	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001
Magnesium T-Mg	0.438	0.39	1.02	1.06	1.42	2.76	1.03	1.03	0.592	0.743	0.739	1.1	0.611	0.74	0.745	0.98	0.56	0.67	0.668	0.79	0.629
Manganese T-Mn	0.00135	0.00071	0.006	<0.005	<0.005	0.008	<0.005	<0.005	0.00325	0.00305	0.00264	0.00168	0.00547	0.0044	0.00181	0.00146	0.00301	0.00368	0.00336	0.00179	0.0029
Mercury T-Hg			<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005													
Molybdenum T-Mo	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel T-Ni	0.0005	0.0006	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.0004	0.0003	0.0005	0.0004	0.0004	0.0003	0.0004	0.0005	0.0003	0.0003	0.0004	0.0005	0.0002
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silicon T-Si	0.1	0.09	0.286	0.265	0.381	0.73	0.7	1.09	0.38	0.36	0.99	1.1	0.3	0.32	0.63	1.29	0.37	0.37	0.68	0.95	0.32
Silver T-Ag	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.0043	0.0046	0.01	0.013	0.007	0.016	0.012	0.013	0.006	0.0061	0.0051	0.0055	0.0036	0.0038	0.0039	0.0066	0.0044	0.0046	0.0049	0.0057	0.0035
Thallium T-Tl	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin T-Sn	<0.0001	<0.0001	<0.03	<0.03	<0.3	<0.03	<0.03	<0.03	0.0002	0.0002	<0.0001	<0.0001	0.0002	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	<0.0001	0.0003
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W			<0.1	<0.1	<0.1		<0.1	<0.1													
Uranium T-U		0.00002	<0.0005	<0.0005	0.00021	0.00026	<0.0005	0.00013				0.00028				0.00024				0.00017	
Vanadium T-V	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0002	<0.0001	0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.00001	<0.00001	0.0001	<0.001	0.0001
Zinc T-Zn	<0.001	0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.001	<0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001
Dissolved Metals																					
Aluminum D-Al	0.037	0.008	0.025	0.012	0.014	0.02	0.073	0.076	0.027	0.021	0.086	0.036	0.019	0.027	0.049	0.052	0.025	0.037	0.057	0.041	0.022
Antimony D-Sb	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

Station	CL 96004	CL 96005	CL95002	CL95003	CL-12	CL 96001	CL95002	CL95003	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL 96004	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002
	10-V1	10-V1	12-V1	12-V1	V1	12-V1	13-V1	13-V1	14-V1	14-V1	414	14-V1	15-V1	15-V1	15-V1	15-V1	16-V1	16-V1	416	16-V1	17-V1
											V1								V1		
Date	960914	961205	95 08 18	95 09 10	95 11 22	960417	95 08 18	95 09 10	960717	960811	960906	961205	960717	960811	960914	961205	960717	960811	960906	961203	960718
Arsenic D-As	0.00026	0.0003	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	0.00019	0.0002	0.00018	0.0002	0.00017	0.00017	0.00017	0.0002	0.00018	0.0002	0.0002	0.0001	0.0002
Barium D-Ba	0.00263	0.00245	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00184	0.00159	0.00181	0.00191	0.00134	0.00122	0.00139	0.00217	0.00166	0.0016	0.00172	0.00202	0.00122
Beryllium D-Be	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron D-B	0.008	0.002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.001	0.005	<0.001	<0.001	0.004	0.003	0.001	<0.001	0.005	0.005	0.001	<0.001
Cadmium D-Cd	0.00006	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00009	0.00007	<0.00005	<0.00005	0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Calcium D-Ca	0.91	0.75	1.71	1.64	2.27	4.95	1.87	1.77	1.48	1.6	1.45	2.54	1.49	1.46	1.56	2.1	1.39	1.51	1.41	1.7	1.48
Chromium D-Cr	<0.0001	<0.0005	<0.015	<0.015	<0.015	<0.01	<0.015	<0.015	0.0001	0.0002	0.0002	<0.0005	0.0002	<0.0001	0.0001	<0.0005	0.0001	0.0002	<0.0001	<0.0005	0.0001
Cobalt D-Co	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper D-Cu	0.0006	0.0006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0014	0.0014	0.0023	0.0021	0.0012	0.001	0.0013	0.0025	0.0012	0.0013	0.0015	0.004	0.0012
Iron D-Fe	<0.01	<0.01	0.049	0.051	<0.03	0.08	<0.03	0.033	0.02	0.02	0.04	<0.01	0.02	0.03	0.03	0.02	0.01	0.01	0.01	<0.01	0.04
Lead D-Pb	0.00007	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	0.00007	0.00005	0.00033	<0.00005	<0.00005	<0.00005	<0.00005	0.00014	0.00005	0.00008	<0.00005
Lithium D-Li	0.004	<0.001	<0.015	<0.015	<0.015	<0.01	<0.015	<0.015	<0.001	0.001	0.003	<0.001	<0.001	0.002	0.002	<0.001	<0.001	0.003	0.002	<0.001	<0.001
Magnesium D-Mg	0.459	0.4	1.02	0.995	1.39	2.71	1.01	1.01	0.591	0.733	0.712	1.11	0.577	0.75	0.731	0.98	0.558	0.665	0.588	0.78	0.611
Manganese D-Mn	0.00068	0.00035	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00047	0.00058	0.00137	0.00035	0.00096	0.00096	0.0025	0.00041	0.0008	0.0005	0.00059	0.00029	0.00205
Mercury D-Hg			<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005													
Molybdenum D-Mo	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel D-Ni	0.0005	0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0004	0.0004	0.0003	0.0004	0.0006	0.0003	0.0003	0.0004	0.0005	0.0002
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silicon D-Si	0.09	0.08	0.286	0.246	0.372	0.72	0.679	1.04	0.37	0.36	0.94	1.12	0.29	0.3	0.62	1.27	0.35	0.36	0.65	0.89	0.31
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.0047	0.0046	0.01	0.011	0.007	0.016	0.012	0.013	0.0059	0.0061	0.005	0.0055	0.0035	0.0038	0.004	0.0066	0.0045	0.0048	0.0048	0.0056	0.0033
Thallium D-Tl	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin D-Sn	<0.0001	<0.0001	<0.03	<0.03	<0.3	<0.03	<0.03	<0.03	0.0002	0.0001	0.0001	<0.0001	0.0002	0.0001	0.0001	0.0001	0.0003	0.0002	0.0001	0.0001	0.0002
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W			<0.1	<0.1	<0.1		<0.1	<0.1													
Uranium D-U		0.00001	<0.0005	<0.00005	0.00020	0.00025	0.0006	0.00013				0.00028				0.00024				0.00017	
Vanadium D-V	<0.0001	<0.001	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Zinc D-Zn	0.002	0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.001	0.001	0.001	<0.001	0.002	<0.001	0.001	<0.001	0.001	<0.001	0.002	0.002	<0.001
Organic Parameters																					
Chlorophyll	0.35		0.67	0.88	nd		0.25	0.23	0.48	0.66	5.2		0.4	0.45	0.27		0.24	0.47	4.2		0.13
Total Organic Carbon C	2.4	2.3	5.8	4.8	6.7	9.6	4.7	4	4.6	4.1	0.38	5.9	4.1	3.5	4.5	6.2	3.9	3.5	0.65	5.1	3.8
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene		-							-	-	-	-	-	-		-	-	-	-	-	-
Acenaphthylene		-							-	-	-	-	-	-		-	-	-	-	-	-
Acridine		-							-	-	-	-	-	-		-	-	-	-	-	-
Anthracene		-							-	-	-	-	-	-		-	-	-	-	-	-
Benzo(a)anthracene		-							-	-	-	-	-	-		-	-	-	-	-	-
Benzo(a)pyrene		-							-	-	-	-	-	-		-	-	-	-	-	-
Benzo(b)fluoranthene		-							-	-	-	-	-	-		-	-	-	-	-	-
Benzo(g,h,i)perylene		-							-	-	-	-	-	-		-	-	-	-	-	-
Benzo(k)fluoranthene		-							-	-	-	-	-	-		-	-	-	-	-	-
Chrysene		-							-	-	-	-	-	-		-	-	-	-	-	-
Dibenz(a,h)anthracene		-							-	-	-	-	-	-		-	-	-	-	-	-
Fluoranthene		-							-	-	-	-	-	-		-	-	-	-	-	-
Fluorene		-							-	-	-	-	-	-		-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene		-							-	-	-	-	-	-		-	-	-	-	-	-
Naphthalene		-							-	-	-	-	-	-		-	-	-	-	-	-
Phenanthrene		-							-	-	-	-	-	-		-	-	-	-	-	-
Pyrene		-							-	-	-	-	-	-		-	-	-	-	-	-

Final Report - Jericho Water Quality																				
Station	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96	CL96003	CL96003	CL96
	17-V1	417	17-V1	18-V1	18-V1	418	18-V1	19-V1	19-V1	419	19-V1	20-V1	20-V1	420	20-V1		221	21-V1	21-V1	421
		V1				V1				V1				V1			V1			V1
Date	960812	960906	961203	960719	960812	960907	961203	960719	960812	960907	961203	960719	960812	960907	961203	960720	960720	960813	960813	960907
Time	13:33	17:05	12:05	14:29		14:30	11:00	12:18	11:37	13:46	11:20	13:18	10:45	11:37	11:30	11:28	11:30	15:00	14:58	11:37
Physical Tests																				
Total Dissolved Solids	10	14	12	7	6	7	11	7	5	7	10	6	7	7	11	-	-	-	-	-
Conductivity (umhos/cm)			8.37				5.47				5.66				5.51					
Hardness CaCO3	6.86	7.13	6.83	3.52	3.5	3.35	6.64	3.43	3.4	3.53	6.65	3.53	3.53	3.37	6.56	-	-	-	-	-
pH	7.05	6.68		6.73	6.74	6.68		6.65	6.72	6.6		6.6	6.71	6.61		6.68	-	6.88	-	6.79
Total Suspended Solids	<1	1	2	2	2	3	3	3	<1	3	2	<1	<1	<1	1	1	-	<1	-	3
Turbidity (NTU)																				
Dissolved Anions																				
Acidity CaCO3	1.9	2	3	2	1.9	2	3	2	1.5	2	2	1.6	1.4	2	3	2	-	-	-	-
Alkalinity-Total CaCO3	6.3	5.9	7	3.1	2.7	3.2	4	2.5	2.8	3.2	4	2.7	2.8	3.6	4	4.2	-	-	-	-
Alkalinity - Bicarbonate CaCO3	6.3	5.9	7	3.1	2.7	3.2	4	2.5	2.8	3.2	4	2.7	2.8	3.6	4	4.2	-	-	-	-
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-
Chloride Cl	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	-	-	-	-
Fluoride F	0.04	0.04	<0.02	0.02	0.04	0.03	0.04	0.02	0.05	0.03	<0.02	0.02	0.04	0.04	0.03	<0.02	-	-	-	-
Sulphate SO4	<1	2.4	<1	1.4	1	1.2	2	1	<1	1.3	3	1.4	1.7	1.3	2	<1	-	-	-	-
Nutrients																				
Ammonia Nitrogen N	<0.005	0.027	0.015	0.007	<0.005	0.006	0.026	0.009	<0.005	0.007	0.027	0.011	0.015	0.006	0.033	-	-	-	-	-
Nitrate Nitrogen N	0.005	0.033	0.015	0.027	0.028	0.037	0.045	0.031	0.025	0.034	0.039	0.031	0.09	0.028	0.039	<0.005	-	-	-	-
Nitrite Nitrogen N	0.001	0.002	0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001	-	-	-	-
Dissolved ortho-Phosphate P	0.002	0.004	0.002	0.002	0.002	0.003	<0.001	0.002	0.001	0.004	<0.001	0.003	0.001	0.004	0.002	0.002	-	-	-	-
Total Dissolved Phosphate P	0.002	0.004	0.002	0.003	0.002	0.003	0.002	0.002	0.001	0.004	0.002	0.003	0.003	0.004	0.002	0.004	-	-	-	-
Total Phosphorus P	0.006	0.012	0.004	0.003	0.007	0.004	0.002	0.004	0.003	0.004	0.003	0.003	0.004	0.004	0.003	0.005	-	-	-	-
Total Metals																				
Aluminum T-Al	0.029	0.122	0.04	0.009	0.024	0.011	0.011	0.007	0.018	0.031	0.011	0.014	0.01	0.009	0.011	-	-	-	-	-
Antimony T-Sb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	-	-	-	-
Arsenic T-As	0.00018	0.00019	0.0001	0.00029	0.00024	0.00027	0.0004	0.00029	0.00025	0.00028	0.0004	0.00037	0.00029	0.00029	0.0004	-	-	-	-	-
Barium T-Ba	0.00118	0.00147	0.00171	0.0022	0.00235	0.00216	0.00349	0.00213	0.00215	0.00227	0.00357	0.00223	0.00239	0.00223	0.00351	-	-	-	-	-
Beryllium T-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-	-	-
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-	-	-
Boron T-B	0.003	0.007	<0.001	0.001	0.004	<0.001	0.002	<0.001	0.003	0.005	0.002	0.001	0.002	<0.001	0.002	-	-	-	-	-
Cadmium T-Cd	<0.00005	<0.00005	<0.00005	<0.00005	0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	<0.00005	-	-	-	-	-
Calcium T-Ca	1.59	1.7	1.99	0.79	0.9	0.72	1.2	0.75	0.79	0.76	1.25	0.76	0.88	0.69	1.2	-	-	-	-	-
Chromium T-Cr	0.0001	0.0003	<0.0005	<0.0001	0.0002	<0.0001	<0.0005	<0.0001	0.0001	<0.0001	<0.0005	0.0001	0.0002	<0.0001	<0.0005	-	-	-	-	-
Cobalt T-Co	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	-	-	-	-	-
Copper T-Cu	0.0011	0.0016	0.0023	0.0006	0.001	0.0007	0.001	0.0005	0.0006	0.0005	0.001	0.0009	0.001	0.0005	0.001	-	-	-	-	-
Iron T-Fe	0.07	0.06	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-
Lead T-Pb	0.00006	0.0004	0.00009	<0.00005	0.00025	<0.00005	0.00033	<0.00005	<0.00005	<0.00005	0.00011	0.0001	0.00024	<0.00005	0.00008	-	-	-	-	-
Lithium T-Li	0.002	0.004	<0.001	<0.001	0.003	<0.001	0.001	<0.001	0.002	0.003	0.001	<0.001	0.001	<0.001	0.001	-	-	-	-	-
Magnesium T-Mg	0.724	0.789	0.91	0.398	0.367	0.364	0.59	0.371	0.356	0.388	0.65	0.367	0.355	0.369	0.6	-	-	-	-	-
Manganese T-Mn	0.00282	0.0027	0.0025	0.00061	0.00083	0.00081	0.00057	0.00061	0.00076	0.00087	0.00056	0.00092	0.00089	0.00088	0.00053	-	-	-	-	-
Mercury T-Hg																				
Molybdenum T-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	-	-	-	-
Nickel T-Ni	0.0002	0.0004	0.0005	0.0006	0.0006	0.0006	0.001	0.0006	0.0006	0.0006	0.001	0.0006	0.0006	0.0006	0.0009	-	-	-	-	-
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	-	-	-
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-
Selenium T-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-
Silicon T-Si	0.32	0.84	0.87	0.08	0.06	0.06	0.1	0.05	0.06	0.06	0.11	0.06	0.05	0.06	0.1	-	-	-	-	-
Silver T-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	-	-	-	-
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-
Strontium T-Sr	0.0035	0.004	0.0048	0.0043	0.0044	0.0049	0.0069	0.0043	0.0044	0.0047	0.0071	0.0042	0.0043	0.0044	0.0069	-	-	-	-	-
Thallium T-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	-	-	-	-
Tin T-Sn	0.0002	0.0003	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	-	-	-	-	-
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-
Tungsten T-W																				
Uranium T-U			0.00003				0.00002				0.00002				0.00002		-			
Vanadium T-V	0.0001	0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	-	-	-	-	-
Zinc T-Zn	<0.001	<0.001	0.001	0.001	0.002	0.001	0.003	<0.001	<0.001	0.001	0.002	0.002	0.002	0.001	0.002	-	-	-	-	-
Dissolved Metals																				
Aluminum D-Al	0.018	0.059	0.03	0.006	0.005	0.006	0.008	0.006	0.011	0.031	0.036	0.005	0.018	0.007	0.008	-	-	-	-	-
Antimony D-Sb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00007	<0.00005	-	-	-	-	-

Station	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96-003	CL96	CL 96005	CL96 002	CL96	CL96003	CL96003	CL96
	17-V1	417	17-V1	18-V1	18-V1	418	18-V1	19-V1	19-V1	419	19-V1	20-V1	20-V1	420	20-V1		221	21-V1	21-V1	421
		V1				V1				V1				V1			V1			V1
Date	960812	960906	961203	960719	960812	960907	961203	960719	960812	960907	961203	960719	960812	960907	961203	960720	960720	960813	960813	960907
Arsenic D-As	0.00017	0.00018	<0.0001	0.00029	0.00028	0.00027	0.0005	0.00028	0.00027	0.00027	0.0004	0.00028	0.00026	0.00027	0.0004	-	-	-	-	-
Barium D-Ba	0.00114	0.00134	0.00163	0.00215	0.00249	0.00212	0.00342	0.00209	0.00225	0.00223	0.00359	0.00208	0.00228	0.00231	0.00345	-	-	-	-	-
Beryllium D-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-	-	-
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	-	-	-	-
Boron D-B	0.001	0.003	0.002	<0.001	0.001	<0.001	0.002	<0.001	0.002	0.006	0.006	<0.001	0.003	<0.001	0.002	-	-	-	-	-
Cadmium D-Cd	<0.00005	<0.00005	<0.00005	<0.00005	0.00013	<0.00005	<0.00005	<0.00005	0.00009	<0.00005	<0.00005	<0.00005	0.00009	<0.00005	<0.00005	-	-	-	-	-
Calcium D-Ca	1.54	1.59	1.89	0.8	0.8	0.75	1.2	0.78	0.77	0.77	1.25	0.82	0.82	0.75	1.22	-	-	-	-	-
Chromium D-Cr	0.0002	0.0002	<0.0005	<0.0001	0.0001	<0.0001	<0.0005	<0.0001	0.0002	<0.0001	<0.0005	<0.0001	0.0001	<0.0001	<0.0005	-	-	-	-	-
Cobalt D-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	-	-	-
Copper D-Cu	0.0011	0.0015	0.0021	0.0005	0.0005	0.0005	0.0008	0.0005	0.0007	0.0005	0.0009	0.0014	0.0006	0.0007	0.0009	-	-	-	-	-
Iron D-Fe	0.03	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-
Lead D-Pb	0.0001	0.00024	0.00007	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	0.00017	<0.00005	<0.00005	<0.00005	0.0001	<0.00005	<0.00005	-	-	-	-	-
Lithium D-Li	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	0.004	0.004	<0.001	0.003	<0.001	0.001	-	-	-	-	-
Magnesium D-Mg	0.731	0.766	0.89	0.367	0.366	0.361	0.6	0.359	0.355	0.388	0.61	0.362	0.359	0.365	0.6	-	-	-	-	-
Manganese D-Mn	0.00175	0.00141	0.00194	0.00048	0.00058	0.00037	0.00024	0.00046	0.00059	0.0004	0.00027	0.00049	0.00051	0.00069	0.00026	-	-	-	-	-
Mercury D-Hg																				
Molybdenum D-Mo	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	-	-	-	-
Nickel D-Ni	0.0002	0.0003	0.0005	0.0006	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006	0.001	0.0006	0.0006	0.0006	0.001	-	-	-	-	-
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	-	-	-
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-
Selenium D-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-
Silicon D-Si	0.31	0.77	0.83	0.07	0.06	0.06	0.1	0.05	0.05	0.06	0.1	0.06	<0.05	0.06	0.1	-	-	-	-	-
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	-	-	-	-
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-
Strontium D-Sr	0.0034	0.0036	0.0048	0.0042	0.0043	0.0043	0.0069	0.0042	0.0043	0.0046	0.0073	0.0042	0.0044	0.0044	0.0069	-	-	-	-	-
Thallium D-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	-	-	-	-
Tin D-Sn	0.0002	0.0001	<0.0001	0.0003	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	-	-	-	-	-
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-
Tungsten D-W																				
Uranium D-U			0.00003				0.00002				0.00002				0.00002		-			
Vanadium D-V	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	-	-	-	-	-
Zinc D-Zn	0.002	0.001	0.001	0.001	0.003	0.001	0.002	0.001	0.003	0.002	0.002	0.002	0.002	0.002	0.002	-	-	-	-	-
Organic Parameters																				
Chlorophyll	0.12	5		0.36	0.37	2.1		0.44	0.16	2		0.31	0.14	2		-	-	-	-	-
Total Organic Carbon C	4	0.4	4.7	2	2.6	0.23	3	1.9	2.6	0.24	3.2	2.1	2.6	0.22	3.1	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	<0.0005	<0.0005
Acenaphthylene	-	-	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	<0.0005	<0.0005
Acridine	-	-	-	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	<0.00005	-	<0.00005	<0.00005
Anthracene	-	-	-	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001
Benzo(a)anthracene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	0.00001	-	<0.00001	<0.00001
Benzo(a)pyrene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001
Benzo(b)fluoranthene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001
Benzo(g,h,i)perylene	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001
Benzo(k)fluoranthene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001
Chrysene	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001
Dibenz(a,h)anthracene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001
Fluoranthene	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001
Fluorene	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	-	<0.0001	<0.0001
Indeno(1,2,3-c,d)pyrene	-	-	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001
Naphthalene	-	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	<0.0002	-	<0.0002	<0.0002
Phenanthrene	-	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	<0.0002	-	<0.0002	<0.0002
Pyrene	-	-	-	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	-	<0.00002	-	<0.00002	<0.00002

Final Report - Jericho Water Quality						
Station	CL96 002	CL96003	CL 96004	CL96 002	CL96003	CL 96004
	22-V1	22-V1	22-V1	23-V1	23-V1	23-V1
Date	960720	960813	960915	960720	960813	960915
Time	11:50	10:40	16:40	14:25	09:15	16:44
Physical Tests						
Total Dissolved Solids	-	-	-	-	-	-
Conductivity (umhos/cm)			-			-
Hardness CaCO3	-	-	6.86	-	-	6.87
pH	6.74	7.06		6.77	6.98	
Total Suspended Solids	1	<1	1	1	2	1
Turbidity (NTU)						
Dissolved Anions						
Acidity CaCO3	1.8	-	-	1.2	-	-
Alkalinity-Total CaCO3	4.9	-	-	3.8	-	-
Alkalinity - Bicarbonate CaCO3	4.9	-	-	3.8	-	-
Alkalinity - Carbonate CaCO3	<1	-	-	<1	-	-
Chloride Cl	<0.5	-	-	<0.5	-	-
Fluoride F	<0.02	-	-	<0.02	-	-
Sulphate SO4	1.5	-	-	<1	-	-
Nutrients						
Ammonia Nitrogen N	-	-	-	-	-	-
Nitrate Nitrogen N	<0.005	-	-	<0.005	-	-
Nitrite Nitrogen N	0.001	-	-	0.001	-	-
Dissolved ortho-Phosphate P	0.002	-	-	0.003	-	-
Total Dissolved Phosphate P	0.003	-	-	0.003	-	-
Total Phosphorus P	0.005	-	-	0.005	-	-
Total Metals						
Aluminum T-Al	-	-	-	-	-	-
Antimony T-Sb	-	-	-	-	-	-
Arsenic T-As	-	-	-	-	-	-
Barium T-Ba	-	-	-	-	-	-
Beryllium T-Be	-	-	-	-	-	-
Bismuth T-Bi	-	-	-	-	-	-
Boron T-B	-	-	-	-	-	-
Cadmium T-Cd	-	-	-	-	-	-
Calcium T-Ca	-	-	-	-	-	-
Chromium T-Cr	-	-	-	-	-	-
Cobalt T-Co	-	-	-	-	-	-
Copper T-Cu	-	-	-	-	-	-
Iron T-Fe	-	-	-	-	-	-
Lead T-Pb	-	-	-	-	-	-
Lithium T-Li	-	-	-	-	-	-
Magnesium T-Mg	-	-	-	-	-	-
Manganese T-Mn	-	-	-	-	-	-
Mercury T-Hg						
Molybdenum T-Mo	-	-	-	-	-	-
Nickel T-Ni	-	-	-	-	-	-
Phosphorus T-P	-	-	-	-	-	-
Potassium T-K	-	-	-	-	-	-
Selenium T-Se	-	-	-	-	-	-
Silicon T-Si	-	-	-	-	-	-
Silver T-Ag	-	-	-	-	-	-
Sodium T-Na	-	-	-	-	-	-
Strontium T-Sr	-	-	-	-	-	-
Thallium T-Tl	-	-	-	-	-	-
Tin T-Sn	-	-	-	-	-	-
Titanium T-Ti	-	-	-	-	-	-
Tungsten T-W						
Uranium T-U						
Vanadium T-V	-	-	-	-	-	-
Zinc T-Zn	-	-	-	-	-	-
Dissolved Metals						
Aluminum D-Al	-	-	-	-	-	-
Antimony D-Sb	-	-	-	-	-	-

Station	CL96 002	CL96003	CL 96004	CL96 002	CL96003	CL 96004
	22-V1	22-V1	22-V1	23-V1	23-V1	23-V1
Date	960720	960813	960915	960720	960813	960915
Arsenic D-As	-	-	-	-	-	-
Barium D-Ba	-	-	-	-	-	-
Beryllium D-Be	-	-	-	-	-	-
Bismuth D-Bi	-	-	-	-	-	-
Boron D-B	-	-	-	-	-	-
Cadmium D-Cd	-	-	-	-	-	-
Calcium D-Ca	-	-	-	-	-	-
Chromium D-Cr	-	-	-	-	-	-
Cobalt D-Co	-	-	-	-	-	-
Copper D-Cu	-	-	-	-	-	-
Iron D-Fe	-	-	-	-	-	-
Lead D-Pb	-	-	-	-	-	-
Lithium D-Li	-	-	-	-	-	-
Magnesium D-Mg	-	-	-	-	-	-
Manganese D-Mn	-	-	-	-	-	-
Mercury D-Hg						
Molybdenum D-Mo	-	-	-	-	-	-
Nickel D-Ni	-	-	-	-	-	-
Phosphorus D-P	-	-	-	-	-	-
Potassium D-K	-	-	-	-	-	-
Selenium D-Se	-	-	-	-	-	-
Silicon D-Si	-	-	-	-	-	-
Silver D-Ag	-	-	-	-	-	-
Sodium D-Na	-	-	-	-	-	-
Strontium D-Sr	-	-	-	-	-	-
Thallium D-Tl	-	-	-	-	-	-
Tin D-Sn	-	-	-	-	-	-
Titanium D-Ti	-	-	-	-	-	-
Tungsten D-W						
Uranium D-U						
Vanadium D-V	-	-	-	-	-	-
Zinc D-Zn	-	-	-	-	-	-
Organic Parameters						
Chlorophyll	-	-	-	-	-	-
Total Organic Carbon C	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	-	-		-	-	
Acenaphthylene	-	-		-	-	
Acridine	-	-		-	-	
Anthracene	-	-		-	-	
Benzo(a)anthracene	-	-		-	-	
Benzo(a)pyrene	-	-		-	-	
Benzo(b)fluoranthene	-	-		-	-	
Benzo(g,h,i)perylene	-	-		-	-	
Benzo(k)fluoranthene	-	-		-	-	
Chrysene	-	-		-	-	
Dibenz(a,h)anthracene	-	-		-	-	
Fluoranthene	-	-		-	-	
Fluorene	-	-		-	-	
Indeno(1,2,3-c,d)pyrene	-	-		-	-	
Naphthalene	-	-		-	-	
Phenanthrene	-	-		-	-	
Pyrene	-	-		-	-	

Final Report - Jericho Water Quality Depth Profiles

Station	CL95 001 01-V1	CL95 001 01-V2	CL95002 01-V1	CL95002 01-V2	CL95003 01-V1	CL95003 01-V2
Date	95 07 17	95 07 17	95 08 20	95 08 20	95 09 13	95 09 13
Time	10:45	10:55	11:46	11:58	11:23	11:30
Physical Tests						
Total Dissolved Solids	9	9	8	8	11	11
Conductivity (umhos/cm)						
Hardness CaCO3	4.69	4.75	4.64	4.75	4.78	4.69
pH	6.51	6.42	6.65	6.81	6.82	6.85
Total Suspended Solids	<1	<1	<1	<1	<1	<1
Turbidity (NTU)						
Dissolved Anions						
Acidity CaCO3	1.1	2.1	2.4	2.6	1.7	2.5
Alkalinity-Total CaCO3	5.9	5.6	5	4.8	5.1	5.3
Alkalinity - Bicarbonate CaCO3	5.9	5.6	4.8	8.1	5.1	5.3
Alkalinity - Carbonate CaCO3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloride Cl	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoride F	0.03	0.03	0.02	0.02	0.02	0.02
Sulphate SO4	<1.0	<1.0	<1.0	<1.0	1.8	2
Nutrients						
Ammonia Nitrogen N	0.013	0.012	<0.005	<0.005	<0.005	<0.005
Nitrate Nitrogen N	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrite Nitrogen N	<0.001	0.001	<0.001	<0.001	0.001	<0.001
Dissolved ortho-Phosphate P	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Total Dissolved Phosphate P	0.002	0.002	0.002	<0.001	0.003	0.002
Total Phosphorus P	0.006	0.004	0.006	0.003	0.004	0.004
Total Metals						
Aluminum T-Al	0.025	0.009	0.017	0.021	0.039	0.025
Antimony T-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001
Barium T-Ba	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium T-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron T-B	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium T-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.02	1.05	1.02	1.06	1.09	1.03
Chromium T-Cr	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cobalt T-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper T-Cu	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

Iron T-Fe	<0.030	<0.030	<0.030	<0.030	0.031	<0.030
Lead T-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium T-Li	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Magnesium T-Mg	0.553	0.556	0.555	0.551	0.583	0.576
Manganese T-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel T-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium T-K	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Selenium T-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.244	0.262	0.247	0.275	0.24	0.238
Silver T-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Strontium T-Sr	0.009	0.009	0.009	0.009	0.011	0.011
Thallium T-Tl	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tin T-Sn	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Titanium T-Ti	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Tungsten T-W	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Uranium T-U	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005
Vanadium T-V	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Zinc T-Zn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Metals						
Aluminum D-Al	0.011	0.009	0.006	0.008	<0.005	<0.005
Antimony D-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic D-As	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium D-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron D-B	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium D-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.01	1.01	0.992	1.01	0.991	0.986
Chromium D-Cr	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cobalt D-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper D-Cu	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Iron D-Fe	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Lead D-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium D-Li	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Magnesium D-Mg	0.529	0.541	0.525	0.54	0.56	0.541
Manganese D-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Nickel D-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium D-K	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Selenium D-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.227	0.249	0.247	0.275	0.225	0.222
Silver D-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Strontium D-Sr	0.008	0.008	0.009	0.009	0.01	0.01
Thallium D-Tl	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tin D-Sn	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Titanium D-Ti	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium D-U	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium D-V	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005
Zinc D-Zn	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Organic Parameters						
Chlorophyll	0.16	-	0.36	-	0.46	-
Total Organic Carbon C	2.7	2.8	2.3	2.3	2.1	1.9
Polycyclic Aromatic Hydrocarbons						
Acenaphthene						
Acenaphthylene						
Acridine						
Anthracene						
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Chrysene						
Dibenz(a,h)anthracene						
Fluoranthene						
Fluorene						
Indeno(1,2,3-c,d)pyrene						
Naphthalene						
Phenanthrene						
Pyrene						

CL95 001 02-V1	CL95 001 02-V2	CL95002 02-V1	CL95002 02-V2	CL95003 02-V1	CL95003 02-V2	CL95 001 03-1V	CL95 001 03-2V	CL95002 03-V1
95 07 17 11:30	95 07 17 11:48	95 08 20 12:42	95 08 20 12:51	95 09 13 12:01	95 09 13 12:09	95 07 15 13:30	95 07 15 13:40	95 08 19 10:24
9	9	10	8	11	11	11	10	8
4.65	4.67	4.84	4.69	4.62	4.83	4.11	4.18	4.24
6.56	6.45	6.84	6.83	6.85	6.86	6.33	6.38	6.77
1	<1	<1	<1	<1	<1	<1	<1	1
1.7	1.4	2.6	2.2	3.5	1.7	2.3	1.7	2.4
5.1	5.2	8.1	4.8	5.1	5.3	4.4	4.9	3.5
5.1	5.2	4.8	4	5.1	5.3	4.4	4.9	3.1
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	<0.5	<0.5	<0.5	0.6	0.6	0.9	0.8	<0.5
0.03	0.03	0.02	0.02	0.02	0.02	0.14	0.03	0.02
<1.0	<1.0	<1.0	<1.0	1.1	1.3	<1.0	<1.0	<1.0
0.013	0.011	<0.005	<0.005	<0.005	<0.005	0.017	0.017	0.01
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	0.01	<0.005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001
0.001	0.003	<0.001	<0.001	0.001	0.002	<0.001	0.001	<0.001
0.002	0.003	<0.001	0.002	0.003	0.002	0.003	0.003	<0.001
0.004	0.007	0.004	0.004	0.005	0.004	0.005	0.005	0.004
0.03	0.029	0.016	0.024	0.022	0.013	0.036	0.035	0.038
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	<0.0001
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1.02	1.03	1.04	1.05	1.03	1.01	0.996	0.993	1.05
<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

<0.030	<0.030	<0.030	<0.030	<0.030	0.033	<0.030	<0.030	<0.030
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015

0.548	0.563	0.565	0.557	0.548	0.564	0.444	0.445	0.452
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.242	0.266	0.272	0.287	0.228	0.236	0.278	0.279	0.252
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
0.009	0.009	0.009	0.009	0.011	0.011	0.011	0.011	0.012
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005
<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

0.007	0.007	0.006	0.007	<0.005	0.007	0.018	0.018	0.014
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
0.981	0.988	1.04	0.994	0.954	1.01	0.945	0.95	0.978
<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015

<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015

0.535	0.535	0.542	0.536	0.544	0.563	0.426	0.438	0.436
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.226	0.25	0.272	0.237	0.219	0.228	0.252	0.254	0.252
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
0.008	0.008	0.009	0.009	0.01	0.01	0.009	0.011	0.01
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005
<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
0.38	-	0.45	-	0.5	-	0.19	-	0.97
2.6	2.8	2.2	2.2	2.2	2.1	4.3	3.3	2.8

CL95002 03-V2	CL95003 03-V1	CL95003 03-V2	CL96 002 03-V1	CL96 002 03-V2	CL96-003 03-V1	CL96-003 03-V2	CL96 403 V1
95 08 19 10:30	95 09 12 14:11	95 09 12 14:18	960715	960715	960810 14:30	960810 14:36	960903 11:55
7	11	11	8	8	7	7	9
4.18	4.22	4.3	4.19	4.3	4.43	4.68	4.47
6.75	6.75	6.77	6.5	6.58	6.89	6.86	see below
1	1	<1	<1	<1	5	5	1
3	3.1	3.1	<1.0	2	1.9	1.7	2
3.1	4.3	4.2	3.7	4.1	3.4	3.5	4.3
4.2	4.3	4.2	3.7	4.1	3.4	3.5	4.3
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	0.7	0.9	0.5	0.5	0.7	0.7	0.6
0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04
<1.0	2	1	<1.0	<1.0	<1.0	<1.0	<1.0
0.01	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.013
<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	0.012
0.001	<0.001	<0.001	<0.005	<0.005	0.001	<0.001	0.002
<0.001	<0.001	<0.001	0.001	0.001	0.002	<0.001	0.001
<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.001
<0.001	0.004	0.003	0.005	0.005	0.005	0.004	0.002
0.027	0.032	0.031	0.028	0.03	0.039	0.031	0.062
<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	0.00019	0.0002	0.00022	0.0002	0.00022
<0.010	<0.010	<0.010	0.00228	0.00222	0.00223	0.00215	0.00212
<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	0.001	<0.001	0.003	0.003	0.004
<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.01	1.06	1.07	0.99	0.99	1.11	1.09	1.03
<0.015	<0.015	<0.015	0.0001	0.0001	0.0003	0.0002	0.0001
<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.010	<0.010	<0.010	0.001	0.001	0.0013	0.001	0.001

<0.030	<0.030	<0.030	0.03	0.03	0.03	0.02	0.03
<0.001	<0.001	<0.001	0.00005	<0.00005	0.00017	0.00007	<0.00005
<0.015	<0.015	<0.015	<0.001	<0.001	0.002	0.002	0.002
0.444	0.44	0.446	0.431	0.424	0.462	0.47	0.5
<0.005	<0.005	<0.005	0.00294	0.00313	0.00229	0.0022	0.00278
<0.00005	<0.00005	<0.00005					
<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0003	0.0003
<0.30	<0.30	<0.30	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
0.275	0.227	0.228	0.23	0.26	0.23	0.22	0.39
<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
0.011	0.013	0.013	0.0091	0.0091	0.0064	0.0064	0.0057
<0.10	<0.10	<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	<0.30	<0.30	0.0003	0.0004	0.0003	0.0003	0.0002
<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10	<0.10	<0.10					
<0.0005	<0.00005	<0.00005					
<0.030	<0.030	<0.030	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
<0.005	<0.005	<0.005	<0.001	<0.001	0.002	0.001	0.001
0.016	0.014	0.013	0.018	0.023	0.017	0.018	0.034
<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	0.00019	0.00018	0.0002	0.00022	0.00019
<0.010	<0.010	<0.010	0.00216	0.00207	0.00202	0.00216	0.0019
<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.001	<0.001	0.002	0.002	0.003
<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.968	0.988	0.988	0.98	1.01	1.03	1.1	1.03
<0.015	<0.015	<0.015	0.0001	0.0001	0.0002	0.0002	0.0002
<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
<0.010	<0.010	<0.010	0.0009	0.0009	0.001	0.001	0.001
<0.030	<0.030	<0.030	<0.01	0.02	<0.01	<0.01	<0.01
<0.001	<0.001	<0.001	<0.00005	<0.00005	0.00017	0.00007	<0.00005
<0.015	<0.015	<0.015	<0.001	<0.001	0.001	0.001	0.002
0.428	0.427	0.446	0.419	0.431	0.452	0.47	0.463
<0.005	<0.005	<0.005	0.00097	0.00139	0.00046	0.00035	0.00102
<0.00005	<0.00005	<0.00005					
<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0003	0.0003
<0.30	<0.30	<0.30	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
0.237	0.209	0.218	0.22	0.25	0.21	0.22	0.37
<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
0.01	0.013	0.013	0.0091	0.0091	0.0061	0.0063	0.0056
<0.10	<0.10	<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	<0.30	<0.30	0.0003	0.0003	0.0003	0.0002	0.0002
<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10	<0.10	<0.10					
<0.0005	<0.00005	<0.00005					
<0.030	<0.030	<0.030	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.005	<0.005	<0.005	0.001	0.001	0.002	0.005	0.001
-	0.96	-	0.44	-	0.77	-	3.3
2.7	2.4	2.8	3.8	3.5	3.1	2.9	0.62
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
					-	-	-
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					-	-	-
					-	-	-
					-	-	-

CL96403 V2	CL95 00104-1V	CL95 00104-2V	CL95 00104-3V	CL95002 04-V1	CL95002 04-V2	CL95002 04-V3	CL95003 04-V1	CL95003 04-V2
960903 12:00	95 07 15 12:00	95 07 15 12:15	95 07 15 12:30	95 08 19 11:27	95 08 19 11:50	95 08 19 12:00	95 09 12 13:37	95 09 12 13:43
8	10	10	11	8	7	8	10	10
4.36	4.17	4.27	4.23	4.35	4.22	4.21	4.44	4.14
6.85	6.35	6.39	6.37	6.64	6.71	6.52	6.8	6.79
<1	<1	<1	<1	<1	2	<1	2	3
2	1.7	1.7	1.7	3	2.6	3.3	1.9	2.3
4.2	4.9	4.9	5.3	4.2	3.6	3.8	4.2	3.6
4.2	4.9	4.9	5.3	3.6	3.8	4	4.2	3.6
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.6	0.9	0.7	0.9	<0.5	<0.5	<0.5	0.7	0.7
0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	1.2
0.008	0.014	0.012	0.014	0.009	0.011	0.014	<0.005	<0.005
0.016	0.011	0.013	0.016	<0.005	<0.005	0.02	<0.005	<0.005
0.001	0.001	0.001	0.001	<0.001	0.001	0.001	<0.001	<0.001
0.003	0.001	0.001	0.003	<0.001	<0.001	<0.001	0.002	0.002
0.003	0.006	0.003	0.003	<0.001	<0.001	0.002	0.002	0.003
0.007	0.006	0.005	0.005	<0.001	<0.001	0.006	0.006	0.005
0.049	0.035	0.036	0.033	0.026	0.03	0.025	0.035	0.029
<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0002	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00204	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
0.002	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1	0.977	0.989	0.991	1.05	1.06	1.03	1.08	1.03
0.0002	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.0011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

0.04	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
0.53	0.445	0.445	0.45	0.439	0.435	0.433	0.467	0.443
0.00284	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.0003	<0.001	<0.001	0.001	<0.001	0.003	<0.001	<0.001	<0.001
<0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.38	0.277	0.279	0.286	0.258	0.256	0.323	0.238	0.217
<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
0.0055	0.011	0.011	0.011	0.012	0.012	0.012	0.013	0.013
<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
0.0001	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005
0.0001	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
0.033	0.017	0.018	0.018	0.015	0.015	0.017	0.013	0.014
<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00018	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00193	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
0.003	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
0.99	0.943	0.975	0.968	1.02	0.978	0.987	1.02	0.986
0.0002	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
0.01	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.002	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
0.461	0.441	0.445	0.441	0.439	0.43	0.425	0.46	0.407
0.00119	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

0.0003	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
<0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.35	0.253	0.26	0.263	0.258	0.222	0.302	0.221	0.212
<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
0.0055	0.011	0.011	0.011	0.011	0.01	0.01	0.013	0.012
<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
0.0001	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005
<0.0001	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3.3	0.4	-	-	0.66	-	-	0.45	-
-	3.2	3.2	3.3	2.7	2.6	2.7	2.5	2.6

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CL95003 04-V3	CL96 002 04-V1	CL96 002 04-V2	CL96 002 04-V3	CL96-003 04-V1	CL96-003 04-V2	CL96-003 04-V3
95 09 12 13:48	960714 14:03	960714 14:15	960714 14:22	960810 16:45	960810 16:53	960810 17:02
11	8	8	8	7	8	8
4.32	4.39	4.34	4.7	4.94	4.93	4.77
6.78	6.5	6.43	6.32	6.85	6.74	6.5
3	1	<1	<1	3	5	7
2.1	1	2	2	1	1.9	3.1
3.9	4	3.9	3.8	3.2	3.8	4.2
3.9	4	3.9	3.8	3.2	3.8	4.2
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.8	0.6	0.6	0.6	0.7	0.7	0.7
0.02	0.03	0.02	<0.02	0.03	0.03	0.04
1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.005	0.007	0.005	0.005	<0.005	<0.005	0.014
<0.005	<0.001	<0.001	<0.001	<0.005	<0.005	0.019
<0.001	<0.005	0.008	0.013	<0.001	0.001	<0.001
0.003	0.001	0.001	0.003	0.002	0.002	0.001
0.003	0.002	0.003	0.003	0.002	0.004	0.001
0.003	0.005	0.006	0.004	0.004	0.006	0.004
0.069	0.027	0.025	0.023	0.021	0.04	0.031
<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	0.00018	0.00019	0.00019	0.00665	0.00028	0.00027
<0.010	0.00211	0.00218	0.00225	0.00206	0.00219	0.00223
<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.001	<0.001	<0.001	0.022	0.004	0.002
<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.19	0.98	1.02	1	1.08	1.12	1.1
<0.015	0.0001	0.0001	0.0001	0.0007	0.0002	0.0003
<0.001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001
<0.010	0.0009	0.0009	0.0009	0.0012	0.0011	0.0009

<0.030	0.03	0.03	0.02	0.02	0.02	0.02
<0.001	<0.00005	<0.00005	<0.00005	0.00008	0.00007	<0.00005
<0.015	<0.001	<0.001	<0.001	<0.001	0.002	0.001
0.462	0.425	0.444	0.431	0.434	0.51	0.508
<0.005	0.003	0.0038	0.00383	0.00717	0.00371	0.0035
<0.00005						
<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003
<0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2	<2	<2	<2	<2	<2
<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.233	0.23	0.23	0.24	0.23	0.22	0.26
<0.0001	<0.00001	<0.00001	<0.00001	0.00005	0.00001	0.00001
<2.0	<2	<2	<2	<2	<2	<2
0.013	0.0091	0.0091	0.0091	0.0073	0.0074	0.007
<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	0.0003	0.0002	0.0002	0.0004	0.0002	0.0001
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10						
<0.00005						
<0.030	<0.0001	<0.0001	<0.0001	0.0003	<0.0001	<0.0001
<0.005	<0.001	0.001	<0.001	0.019	<0.001	<0.001
0.014	0.026	0.019	0.027	0.042	0.03	0.023
<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	0.00019	0.00018	0.00019	0.00028	0.00023	0.00021
<0.010	0.00212	0.00223	0.00243	0.00219	0.00215	0.00224
<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	0.002	<0.001	0.002	0.006	0.004	0.002
<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.995	1.04	1.05	1.15	1.1	1.09	1.07
<0.015	0.0002	0.0002	0.0001	0.0003	0.0002	0.0003
<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.010	0.0008	0.0013	0.001	0.0013	0.0009	0.0009
<0.030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.001	<0.00005	0.00009	0.00007	0.00021	0.00006	0.00007
<0.015	<0.001	<0.001	<0.001	0.005	0.003	0.001
0.446	0.433	0.416	0.444	0.532	0.538	0.511
<0.005	0.00095	0.0018	0.00216	0.00314	0.00122	0.00224
<0.00005						
<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

<0.001	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003
<0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2	<2	<2	<2	<2	<2
<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.212	0.21	0.22	0.23	0.21	0.22	0.26
<0.0001	<0.00001	<0.00001	<0.00001	0.00002	0.00001	<0.00001
<2.0	<2	<2	<2	<2	<2	<2
0.013	0.0091	0.0091	0.0102	0.0076	0.0069	0.0067
<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	0.0002	0.0002	0.0003	0.0002	0.0002	0.0001
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10						
<0.00005						
<0.030	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.005	0.002	0.002	0.003	0.002	0.002	0.003
-	0.26	-	-	0.52	-	-
2.5	3.4	3.1	3.3	3	3	2.9
				-	-	-
				-	-	-
				-	-	-
				-	-	-
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CL96 404 V1 960903 13:19	CL96 404 V2 960903 13:22	CL96 404 V3 960903 13:28	CL95 001 05-1V 95 07 15 10:55	CL95 001 5-2V 95 07 15 11:07	CL95002 05-V1 95 08 19 13:00	CL95002 05-V2 95 08 19 13:10	CL95003 05-V1 95 09 10 15:20
8	8	8	11	10	9	8	10
4.58	4.44	4.43	4.18	4.11	4.33	4.29	4.29
6.83	6.55	6.58	6.41	6.31	6.77	6.74	6.92
1	2	2	2	2	<1	2	<1
2	2	2	1.9	1.4	2.4	2	1.9
4.2	4.4	4	5.6	6.1	4	3.7	4.1
4.2	4.4	4	5.6	6.1	5	3.7	4.1
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.8	0.7	0.8	0.9	0.5	0.5	<0.5	0.7
0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
0.011	0.007	0.009	0.013	0.018	0.005	0.007	<0.005
0.066	0.02	0.021	0.013	0.015	<0.005	<0.005	<0.005
<0.010	0.001	0.001	0.001	0.001	0.001	<0.001	0.001
0.003	0.003	0.004	<0.001	0.001	<0.001	<0.001	<0.001
0.005	0.003	0.005	0.002	0.003	0.003	0.002	<0.001
0.007	0.011	0.009	0.005	0.005	0.005	0.003	0.003
0.058	0.062	0.058	0.034	0.036	0.026	0.025	0.38
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00016	0.00018	0.00018	<0.0001	0.0001	<0.0001	0.0001	<0.0001
0.00232	0.00234	0.00241	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.0005	<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10
0.003	0.004	0.004	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1.06	1.05	1.06	1.01	0.982	1.08	1.06	1.72
0.0002	0.0002	0.0002	<0.015	<0.015	<0.015	<0.015	<0.015
<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	0.001	0.0011	<0.010	<0.010	<0.010	<0.010	<0.010

0.03	0.03	0.03	<0.030	<0.030	<0.030	<0.030	0.031
<0.00005	0.00006	0.00011	<0.001	<0.001	<0.001	<0.001	<0.001
0.002	0.002	0.002	<0.015	<0.015	<0.015	<0.015	0.023
0.524	0.465	0.501	0.448	0.426	0.456	0.441	0.466
0.00302	0.00315	0.00314	<0.005	<0.005	<0.005	<0.005	<0.005
			<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
0.0003	0.0003	0.0003	<0.001	0.001	<0.001	<0.001	<0.001
<0.3	<0.3	<0.3	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.3	0.29	0.3	0.275	0.28	0.265	0.274	0.236
<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0
0.0058	0.0066	0.0066	0.011	0.011	0.012	0.012	0.017
<0.00005	<0.00005	<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10
0.0001	0.0001	<0.0001	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010
			<0.10	<0.10	<0.10	<0.10	<0.10
			<0.0005	<0.0005	<0.0005	<0.0005	<0.00005
0.0001	0.0001	0.0001	<0.030	<0.030	<0.030	<0.030	<0.030
<0.001	<0.001	0.002	<0.005	<0.005	<0.005	<0.005	<0.005
0.027	0.031	0.031	0.017	0.017	0.015	0.016	0.015
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00018	0.00018	0.00018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00255	0.00208	0.00212	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.0005	<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10
0.003	0.004	0.003	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1.09	1.03	1.04	0.965	0.944	1.01	0.993	0.995
0.0001	<0.0001	<0.0001	<0.015	<0.015	<0.015	<0.015	<0.015
<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
0.0009	0.0009	0.0009	<0.010	<0.010	<0.010	<0.010	<0.010
<0.01	<0.01	<0.01	<0.030	<0.030	<0.030	<0.030	<0.030
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
0.002	0.002	0.002	<0.015	<0.015	<0.015	<0.015	<0.015
0.451	0.454	0.446	0.429	0.426	0.436	0.44	0.438
0.00282	0.00118	0.00124	<0.005	<0.005	<0.005	<0.005	<0.005
			<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001

0.0003	0.0003	0.0003	<0.001	<0.001	<0.001	<0.001	<0.001
<0.3	<0.3	<0.3	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.26	0.26	0.26	0.254	0.254	0.25	0.268	0.218
<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0
0.0065	0.0065	0.0065	0.011	0.011	0.01	0.011	0.013
<0.00005	<0.00005	<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10
0.0001	0.0001	<0.0001	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010
			<0.10	<0.10	<0.10	<0.10	<0.10
			<0.0005	<0.0005	<0.0005	<0.0005	<0.00005
<0.0001	<0.0001	<0.0001	<0.030	<0.030	<0.030	<0.030	<0.030
0.002	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
3.1	3.3	3.1	0.37	-	0.68	-	1
0.66	-	-	3.2	3	2.8	2.7	2.5
-	-	-					
-	-	-					
-	-	-					
-	-	-					
-	-	-					
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CL95003 05-V2	CL96 002 05-V1	CL96 002 05-V2	CL96-003 05-V1	CL96-003 05-V2	CL96 405 V1	CL96 405 V2	CL95002 12-V1
95 09 10 15:28	960714 16:01	960714 16:09	960810 17:35	960810 17:37	960903 15:20	960903 15:23	95 08 18 11:35
10	8	8	8	8	8	8	16
4.34	4.49	4.49	4.8	4.68	4.59	4.51	8.46
6.91	6.5	6.52	6.89	6.86	6.54	6.62	7.15
<1	<1	<1	3	6	4	3	1
2.3	2	1	1.7	1.9	2	2	2.4
3.6	4.1	3.8	3.7	4	4	3.7	8.3
3.6	4.1	3.8	3.7	4	4	3.7	8.3
<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.5	0.6	0.7	0.7	0.7	0.8	0.8	<0.5
<0.02	<0.02	0.02	0.03	0.03	0.03	0.04	0.03
1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.005	<0.005	<0.005	<0.005	<0.005	0.007	0.007	0.034
<0.005	<0.001	<0.001	<0.005	<0.005	0.007	0.009	<0.005
0.001	<0.005	<0.005	0.001	<0.001	0.001	0.001	0.001
<0.001	0.002	0.002	0.006	0.001	0.004	0.003	<0.001
0.002	0.002	0.003	0.006	0.002	0.004	0.003	<0.001
0.004	0.007	0.007	0.007	0.004	0.009	0.008	0.003
0.026	0.027	0.027	0.033	0.026	0.061	0.059	0.04
<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001
<0.0001	0.0002	0.00019	0.00023	0.0002	0.00018	0.00025	<0.0001
<0.010	0.00226	0.00223	0.00214	0.00207	0.00236	0.00232	<0.010
<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.10
<0.10	<0.001	<0.001	0.003	0.002	0.006	0.004	<0.10
<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002
1.03	1.01	1.04	1.07	1.07	1.09	1.07	1.77
<0.015	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	<0.015
<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
<0.010	0.0009	0.0009	0.0009	0.0009	0.001	0.001	<0.010

<0.030	0.03	0.03	0.02	0.02	0.03	0.03	0.116
<0.001	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.001
<0.015	<0.001	<0.001	0.002	0.001	0.003	0.002	<0.015
0.467	0.435	0.452	0.485	0.519	0.467	0.473	1.02
<0.005	0.00337	0.00356	0.0025	0.00221	0.00318	0.00357	0.006
<0.00005							<0.00005
<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001
<0.001	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	<0.001
<0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.30
<2.0	<2	<2	<2	<2	<2	<2	<2.0
<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005
0.233	0.22	0.22	0.22	0.23	0.3	0.3	0.286
<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001
<2.0	<2	<2	<2	<2	<2	<2	<2.0
0.013	0.0091	0.0102	0.0066	0.0061	0.0066	0.0067	0.01
<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.10
<0.30	0.0002	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.30
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
<0.10							<0.10
<0.00005							<0.0005
<0.030	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.030
<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
0.025	0.025	0.017	0.017	0.017	0.032	0.025	0.025
<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0001
<0.0001	0.00018	0.00021	0.00019	0.0002	0.00018	0.00021	<0.0001
<0.010	0.00225	0.00226	0.00205	0.00204	0.00215	0.0021	<0.010
<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.10
<0.10	0.002	<0.001	0.002	0.002	0.004	0.002	<0.10
<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0002
1	1.1	1.08	1.07	1.07	1.09	1.06	1.71
<0.015	0.0001	<0.0001	0.0002	0.0002	<0.0001	0.0001	<0.015
<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
<0.010	0.0009	0.0017	0.0009	0.0009	0.0009	0.0009	<0.010
<0.030	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.049
<0.001	0.0001	0.00011	<0.00005	<0.00005	<0.00005	0.00014	<0.001
<0.015	<0.001	<0.001	0.001	0.001	0.002	0.001	<0.015
0.445	0.423	0.437	0.519	0.489	0.453	0.452	1.02
<0.005	0.0013	0.00144	0.00063	0.00042	0.00115	0.00118	<0.005
<0.00005							<0.00005
<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.001

<0.001	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	<0.001
<0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.30
<2.0	<2	<2	<2	<2	<2	<2	<2.0
<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005
0.223	0.2	0.21	0.21	0.21	0.28	0.27	0.286
<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0001
<2.0	<2	<2	<2	<2	<2	<2	<2.0
0.013	0.0091	0.0091	0.0065	0.0061	0.0065	0.0064	0.01
<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.10
<0.30	0.0006	0.0002	0.0002	0.0001	0.0001	0.0003	<0.30
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
<0.10							<0.10
<0.00005							<0.0005
<0.030	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.030
<0.005	0.001	0.002	0.001	<0.001	<0.001	<0.001	<0.005
-	0.37	-	0.62	-	3.1	3.4	0.67
2.5	3.8	3.5	3	3.2	0.67	-	5.8

-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-
-	-	-	-

CL95002 12-V2	CL95003 12-V1	CL95003 12-V2	CL96 002 14-V1	CL96 002 14-V2	CL96 002 14-V3	CL96-003 14-V1	CL96-003 14-V2
95 08 18 11:40	95 09 10 12:45	95 09 10 12:55	960717 14:52	960717 14:47	960717 15:01	960811 16:12	960811 16:15
16	15	17	10	9	10	11	10
8.44	8.19	8.25	6.14	5.95	6.03	7	7.25
7.16	6.87	6.93	6.73	6.82	6.75	7.02	7.01
<1	<1	1	4	2	<1	2	7
2.8	3.5	4.7	2	2	1.4	1.9	1.5
8.3	8.9	8.2	5.1	4.7	4.5	5.9	5.9
8.3	8.9	8.2	5.1	4.7	4.5	5.9	5.9
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	<0.5	<0.5	0.6	0.8	0.8	0.6	0.6
0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.03
<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
0.019	<0.005	0.016	0.021	0.027	0.025	<0.005	0.01
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
0.001	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001
<0.001	<0.001	0.001	0.005	0.002	0.002	0.003	0.002
<0.001	0.003	0.003	0.005	0.003	0.003	0.003	0.002
0.003	0.004	0.005	0.007	0.006	0.01	0.005	0.005
0.039	0.027	0.026	0.038	0.042	0.038	0.041	0.036
<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	0.00019	0.00016	0.00017	0.00024	0.00024
<0.010	<0.010	<0.010	0.00192	0.00239	0.00235	0.00156	0.00157
<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.001	<0.001	<0.001	0.003	0.003
<0.0002	<0.0002	<0.0002	<0.00005	0.00016	0.0001	0.00006	<0.00005
1.78	1.69	1.71	1.46	1.48	1.59	1.6	1.6
<0.015	<0.015	<0.015	0.0001	0.0001	0.0002	0.0002	0.0002
<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
<0.010	<0.010	<0.010	0.0014	0.0014	0.0014	0.0014	0.0015

0.12	0.1	0.1	0.04	0.03	0.04	0.05	0.05
<0.001	<0.001	<0.001	<0.00005	0.00005	0.0002	<0.00005	<0.00005
<0.015	<0.015	<0.015	<0.001	<0.001	<0.001	0.002	0.002
1.04	1.06	1.04	0.592	0.557	0.576	0.743	0.75
<0.005	<0.005	<0.005	0.00325	0.00642	0.00601	0.00305	0.00307
<0.00005	<0.00005	<0.00005					
<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	0.0004	0.0004	0.0004	0.0003	0.0003
<0.30	<0.30	<0.30	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
0.3	0.265	0.264	0.38	0.35	0.37	0.36	0.36
<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
0.012	0.013	0.011	0.006	0.007	0.0069	0.0061	0.0063
<0.10	<0.10	<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	<0.30	<0.30	0.0002	0.0002	0.0002	0.0002	0.0001
<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10	<0.10	<0.10					
<0.0005	<0.00005	<0.00005					
<0.030	<0.030	<0.030	0.0002	<0.0001	<0.0001	<0.0001	<0.0001
<0.005	<0.005	<0.005	<0.001	0.002	0.001	<0.001	<0.001
0.028	0.012	0.012	0.027	0.029	0.028	0.021	0.021
<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	0.00019	0.00016	0.00016	0.0002	0.00023
<0.010	<0.010	<0.010	0.00184	0.00246	0.00205	0.00159	0.00164
<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.10	<0.10	<0.10	<0.001	<0.001	<0.001	0.001	0.002
<0.0002	<0.0002	<0.0002	0.00009	0.00041	0.00005	0.00007	0.00012
1.71	1.64	1.64	1.48	1.51	1.49	1.6	1.68
<0.015	<0.015	<0.015	0.0001	0.0001	0.0002	0.0002	0.0002
<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.010	<0.010	<0.010	0.0014	0.0013	0.0013	0.0014	0.0015
0.049	0.051	0.052	0.02	<0.01	0.01	0.02	0.01
<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.00032
<0.015	<0.015	<0.015	<0.001	<0.001	<0.001	0.001	0.001
1.01	0.995	1.01	0.591	0.531	0.558	0.733	0.743
<0.005	<0.005	<0.005	0.00047	0.00407	0.00375	0.00058	0.00054
<0.00005	<0.00005	<0.00005					
<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

<0.001	<0.001	<0.001	0.0003	0.0004	0.0004	0.0003	0.0003
<0.30	<0.30	<0.30	<0.3	<0.3	<0.3	<0.3	<0.3
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
0.3	0.246	0.241	0.37	0.34	0.36	0.36	0.36
<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
0.01	0.011	0.011	0.0059	0.0068	0.0069	0.0061	0.0063
<0.10	<0.10	<0.10	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.30	<0.30	<0.30	0.0002	0.0001	0.0001	0.0001	0.0001
<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
<0.10	<0.10	<0.10					
<0.0005	<0.00005	<0.00005					
<0.030	<0.030	<0.030	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.005	<0.005	<0.005	0.001	0.003	0.001	0.001	0.001
-	0.88	-	0.48	-	-	0.66	-
5.6	4.8	4.8	4.6	3.6	4.5	4.1	3.6
			-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
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CL96 414 V1 960906 13:52	CL96 414 V2 960906 13:57	CL96 414 V3 960906 14:00	CL96 002 15-V1 960717 19:04	CL96 002 15-V2 960717 19:10	CL96 002 15-V3 960717 19:15	CL96-003 15-V1 960811
10	10	10	12	9	10	9
6.56	6.54	6.63	6.1	5.92	7.16	6.72
6.74	6.79	6.81	6.75	6.76	6.63	7.01
1	3	3	5	8	5	1
2	2	2	3.5	2	2.9	1.5
5.1	5.6	5.1	4.2	5.6	5.4	5.9
5.1	5.6	5.1	4.2	5.6	5.4	5.9
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
0.03	0.03	0.04	0.02	0.02	<0.02	0.03
<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<1.0
0.007	<0.005	0.007	0.024	0.017	0.023	0.009
0.007	<0.005	<0.005	0.056	0.051	0.033	<0.005
0.001	0.002	0.002	0.001	0.001	0.001	0.001
0.003	0.004	0.004	0.002	0.002	0.003	0.005
0.003	0.005	0.004	0.003	0.004	0.004	0.005
0.008	0.008	0.009	0.006	0.008	0.014	0.005
0.124	0.125	0.118	0.033	0.025	0.03	0.036
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00021	0.0002	0.00019	0.00018	0.00015	0.00017	0.00017
0.0018	0.00181	0.00185	0.00135	0.00145	0.00162	0.0013
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.004	0.004	0.003	0.002	<0.001	<0.001	0.004
<0.00005	<0.00005	<0.00005	<0.00005	0.00007	0.0001	0.00008
1.47	1.43	1.44	1.41	1.37	1.4	1.48
0.0002	0.0002	0.0002	<0.0001	0.0001	0.0002	0.0001
<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0021	0.0021	0.0021	0.0011	0.001	0.0011	0.0016

0.07	0.07	0.07	0.04	0.02	0.05	0.06
0.00006	0.00005	0.00007	<0.00005	<0.00005	0.00009	0.00007
0.002	0.002	0.002	<0.001	<0.001	<0.001	0.002
0.739	0.731	0.731	0.611	0.595	0.597	0.74
0.00264	0.00265	0.00264	0.00547	0.00647	0.0104	0.0044
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.99	0.98	0.97	0.3	0.24	0.32	0.32
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0051	0.0059	0.005	0.0036	0.0035	0.0036	0.0038
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	0.0002	0.0001	0.0001	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
0.086	0.075	0.085	0.019	0.02	0.049	0.027
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0003	<0.00005
0.00018	0.00019	0.00018	0.00017	0.00015	0.00025	0.00017
0.00181	0.00187	0.00243	0.00134	0.00138	0.00396	0.00122
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.005	0.003	0.005	<0.001	<0.001	0.002	0.004
<0.00005	<0.00005	<0.00005	0.00008	<0.00005	0.00314	<0.00005
1.45	1.44	1.47	1.49	1.44	1.83	1.46
0.0002	0.0001	0.0001	0.0002	0.0002	0.005	<0.0001
<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0023	0.0023	0.002	0.0012	0.0029	0.0028	0.001
0.04	0.03	0.03	0.02	<0.01	0.03	0.03
0.00007	<0.00005	<0.00005	0.00033	0.00009	0.02	<0.00005
0.003	0.002	0.003	<0.001	<0.001	<0.001	0.002
0.712	0.712	0.721	0.577	0.564	0.629	0.75
0.00137	0.00146	0.0015	0.00096	0.00039	0.00835	0.00096
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00065	<0.00005

0.0005	0.0005	0.0004	0.0004	0.0004	0.001	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.94	0.93	0.94	0.29	0.22	0.34	0.3
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.005	0.005	0.005	0.0035	0.0034	0.0041	0.0038
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0001	<0.0001	<0.0001	0.0002	0.0001	0.0001	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.001	0.001	0.001	0.002	0.003	0.016	<0.001
5.2	5.2	5.1	0.4	-	-	0.45
0.38	-	-	4.1	3.6	4.3	3.5
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

CL96-003 15-V2	CL96-003 15-V3	CL 96004 15-V1	CL 96004 15-V2	CL 96004 15-V3	CL96 002 16-V1	CL96 002 16-V2
960811	960811	960914 19:02	960914 19:05	960914 19:09	960717 17:11	960717 17:15
9	9	10	10	10	9	10
		6.91	7.08	7.07		
6.48	6.51	6.76	6.78	6.83	5.77	5.9
6.8	6.44				6.83	6.76
2	<1	3	<1	<1	3	2
2.7	3.9	2	2	2	2	2
5.5	5.6	5.6	6.1	6	4.8	5.1
5.5	5.6	5.6	6.1	6	4.8	5.1
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	<0.5	<0.5	<0.5	<0.5	0.5	0.5
0.03	0.03	0.04	0.03	0.03	<0.02	<0.02
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.008	0.033	0.007	0.005	0.007	0.018	0.018
<0.005	0.022	0.01	0.012	0.01	0.01	0.017
<0.001	0.001	0.001	0.002	0.001	0.001	0.001
<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
0.003	<0.001	0.001	0.002	0.002	0.003	0.003
0.005	<0.001	0.007	0.004	0.007	0.005	0.006
0.024	0.042	0.032	0.061	0.05	0.033	0.036
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00015	0.00014	0.00018	0.00019	0.00018	0.00017	0.00016
0.00136	0.00147	0.00126	0.00152	0.00137	0.00168	0.00206
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.001	0.003	<0.001	0.002	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00008
1.41	1.49	1.5	1.58	1.56	1.37	1.33
0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.001	0.001	0.0011	0.0014	0.0014	0.0013	0.0028

0.03	0.05	0.04	0.06	0.06	0.03	0.02
<0.00005	<0.00005	<0.00005	0.00007	<0.00005	<0.00005	0.00021
<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
0.713	0.713	0.745	0.743	0.737	0.56	0.546
0.00426	0.007	0.00181	0.00352	0.00344	0.00301	0.00374
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0003	0.0003	0.0004	0.0004	0.0004	0.0003	0.0004
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.26	0.33	0.63	0.66	0.65	0.37	0.37
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0036	0.0038	0.0039	0.004	0.0038	0.0044	0.0043
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	0.0002	0.0001	<0.0001	0.0002	0.0002
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001	<0.0001
<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.002
0.033	0.021	0.049	0.048	0.05	0.025	0.027
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00013	0.00012	0.00017	0.00017	0.00018	0.00018	0.00015
0.00135	0.00146	0.00139	0.00149	0.00135	0.00166	0.00189
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.004	0.001	0.003	0.003	0.004	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00017
1.45	1.46	1.56	1.6	1.62	1.39	1.47
0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002
0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001	<0.0001
0.001	0.0009	0.0013	0.0014	0.0015	0.0012	0.0012
0.01	0.02	0.03	0.03	0.03	0.01	<0.01
<0.00005	<0.00005	<0.00005	0.00017	<0.00005	<0.00005	0.00013
0.003	<0.001	0.002	0.002	0.002	<0.001	<0.001
0.698	0.694	0.731	0.749	0.735	0.558	0.543
0.00099	0.00215	0.0025	0.00286	0.0027	0.0008	0.00055
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

0.0003	0.0003	0.0004	0.0004	0.0004	0.0003	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.25	0.32	0.62	0.63	0.62	0.35	0.35
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0037	0.0036	0.004	0.004	0.004	0.0045	0.0043
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	0.0001	0.0002	0.0002	0.0003	0.0002
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.001	<0.001	0.001	0.001	0.001	0.001	0.002
-	-	0.27	-	-	0.24	-
3.4	3.5	4.5	4.1	4.2	3.9	3.8
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-
-	-				-	-

CL96 002 16-V3	CL96-003 16-V1	CL96-003 16-V2	CL96-003 16-V3	CL96 416 V1	CL96 416 V2	CL96 416 V3
960717 17:20	960811 14:39	960811 14:45	960811 14:49	960906 12:00	960906 12:05	960906 12:09
12	9	10	8	10	10	10
7.38	6.51	6.31	5.92	5.94	6.27	6.28
6.68	6.94	6.87	6.6	6.81	6.82	6.87
<1	8	7	1	4	1	1
2	1.9	1.7	2.5	2	2	2
4.7	5.1	5.6	5	5.6	5.9	5.9
4.7	5.1	5.6	5	5.6	5.9	5.9
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
<0.02	0.03	0.02	0.03	0.04	0.03	0.04
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.019	0.01	0.007	0.013	0.014	<0.005	<0.005
0.018	<0.005	0.005	0.018	<0.005	<0.005	<0.005
0.001	0.001	0.001	0.001	0.001	0.001	0.002
0.002	0.001	0.003	0.002	0.003	0.004	0.003
0.003	0.003	0.003	0.002	0.003	0.004	0.003
0.005	0.027	0.005	0.005	0.007	0.008	0.008
0.041	0.029	0.042	0.044	0.076	0.074	0.073
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00017	0.00021	0.00021	0.00018	0.00018	0.00018	0.00018
0.00203	0.00166	0.00172	0.00172	0.00184	0.00187	0.00184
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	0.002	0.003	0.003	0.004	0.002	0.003
0.00027	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2.08	1.46	1.49	1.4	1.41	1.4	1.43
0.0003	0.0002	0.0002	0.0002	0.0001	0.0002	0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0015	0.0013	0.0013	0.0013	0.0015	0.0016	0.0015

0.02	0.04	0.03	0.02	0.04	0.05	0.04
0.00044	0.00006	<0.00005	<0.00005	<0.00005	0.00006	<0.00005
<0.001	<0.001	0.002	0.002	0.002	<0.001	0.002
0.556	0.67	0.679	0.642	0.668	0.692	0.672
0.00335	0.00368	0.00343	0.00247	0.00336	0.00348	0.0035
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.0001	<0.00005
0.0004	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.39	0.37	0.37	0.4	0.68	0.68	0.69
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0046	0.0046	0.0047	0.0045	0.0049	0.0048	0.0048
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001
0.001	<0.001	0.001	<0.001	<0.001	0.002	<0.001
0.034	0.037	0.034	0.031	0.057	0.066	0.052
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00015	0.0002	0.00018	0.00019	0.0002	0.00018	0.00017
0.00197	0.0016	0.00161	0.00169	0.00172	0.002	0.00185
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	0.005	0.003	0.001	0.005	0.004	0.003
0.00031	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
2.03	1.51	1.43	1.33	1.41	1.41	1.42
0.0003	0.0002	0.0002	0.0002	<0.0001	0.0001	0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0012	0.0013	0.0013	0.0012	0.0015	0.0015	0.0016
<0.01	0.01	<0.01	<0.01	0.01	0.02	0.01
0.00023	0.00014	<0.00005	<0.00005	0.00005	<0.00005	0.00007
<0.001	0.003	0.002	<0.001	0.002	0.002	0.002
0.559	0.665	0.669	0.629	0.588	0.67	0.665
0.00103	0.0005	0.00051	0.00064	0.00059	0.00176	0.00067
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

0.0004	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.37	0.36	0.35	0.39	0.65	0.67	0.65
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0047	0.0048	0.0046	0.0044	0.0048	0.0048	0.0048
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	0.0002	0.0001	<0.0001	0.0001	0.0001	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.002	<0.001	<0.001	<0.001	0.002	0.001	0.008
-	0.47	-	-	4.2	4.2	4.3
5.1	3.5	4.3	3.3	0.65	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Final Report - Jericho Water Quality - QA/QC

Station	Method Blank	Travel Blanks CL95 001 11-T	CL95-002 11-T	CL95003 11-T	CL95-004 11-T	CL 96001 11-T
Date		95 07 18	95 08 23	95 09 13	95 11 25	960419
Time		14:15	12:00	14:20	11:00	15:00
Physical Tests						
Total Dissolved Solids	<1	1	<1	<1	<1	2
Conductivity (umhos/cm)						
Hardness CaCO3	<0.05	<0.05	<0.05	<0.05	<0.05	0.59
pH	5.47	5.2	5.68	5.82	5.98	5.68
Total Suspended Solids	<1	<1	<1	<1	<1	<1
Turbidity (NTU)						
Dissolved Anions						
Acidity CaCO3	<1.0	<1.0	2.4	1.9	2.4	1.8
Alkalinity-Total CaCO3	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
Alkalinity - Bicarbonate CaCO3	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
Alkalinity - Carbonate CaCO3	<1.0	<1.0	<1.0	<1.0	<1	<1.0
Chloride Cl	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
Fluoride F	<0.02	0.03	<0.02	<0.02	<0.02	<0.02
Sulphate SO4	<1.0	<1.0	<1.0	<1.0	<1	<1.0
Nutrients						
Ammonia Nitrogen N	<0.005	0.012	<0.005	<0.005	<0.005	0.005
Nitrate Nitrogen N	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrite Nitrogen N	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Dissolved ortho-Phosphate P	<0.002	0.001	<0.001	<0.001	<0.001	0.005
Total Dissolved Phosphate P	<0.002	0.001	<0.001	0.001	<0.001	0.005
Total Phosphorus P	<0.002	0.002	<0.001	0.001	<0.001	0.009
Total Metals						
Aluminum T-Al	<0.001	0.009	0.013	0.014	<0.005	<0.005
Antimony T-Sb	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.00005	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Barium T-Ba	<0.00005	<0.010	<0.010	<0.010	<0.01	<0.01
Beryllium T-Be	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.0005	<0.10	<0.10	<0.10	<0.1	<0.1
Boron T-B	<0.001	<0.10	<0.10	<0.10	<0.1	<0.1
Cadmium T-Cd	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium T-Ca	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05
Chromium T-Cr	<0.0001	<0.015	<0.015	<0.015	<0.015	<0.01
Cobalt T-Co	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper T-Cu	<0.0001	<0.010	<0.010	<0.010	<0.01	<0.01

Iron T-Fe	<0.01	<0.030	<0.030	<0.030	<0.03	<0.03
Lead T-Pb	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium T-Li	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01
Magnesium T-Mg	<0.005	<0.050	<0.050	<0.050	<0.05	<0.05
Manganese T-Mn	<0.00005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury T-Hg		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel T-Ni	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.30	<0.30	<0.30	<0.3	<0.3
Potassium T-K	<2	<2.0	<2.0	<2.0	<2	<2
Selenium T-Se	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon T-Si	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05
Silver T-Ag	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2.0	<2.0	<2.0	<2	<2
Strontium T-Sr	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium T-Tl	<0.00005	<0.10	<0.10	<0.10	<0.1	<0.1
Tin T-Sn	<0.0001	<0.30	<0.30	<0.30	<0.3	<0.03
Titanium T-Ti	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01
Tungsten T-W		<0.10	<0.10	<0.10	<0.1	
Uranium T-U	<0.00001	<0.0005	<0.0005	<0.00005	<0.00005	<0.00001
Vanadium T-V	<0.0001	<0.030	<0.030	<0.030	<0.03	<0.03
Zinc T-Zn	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Metals						
Aluminum D-Al	<0.001	<0.005	<0.005	<0.005	<0.005	0.093
Antimony D-Sb	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic D-As	<0.00005	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	<0.00005	<0.010	<0.010	<0.010	<0.01	<0.01
Beryllium D-Be	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.0005	<0.10	<0.10	<0.10	<0.1	<0.1
Boron D-B	<0.001	<0.10	<0.10	<0.10	<0.1	<0.1
Cadmium D-Cd	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium D-Ca	<0.05	<0.050	<0.050	<0.050	<0.05	0.24
Chromium D-Cr	<0.0001	<0.015	<0.015	<0.015	<0.015	<0.01
Cobalt D-Co	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper D-Cu	<0.0001	<0.010	<0.010	<0.010	<0.01	<0.01
Iron D-Fe	<0.01	<0.030	<0.030	<0.030	<0.03	<0.03
Lead D-Pb	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium D-Li	<0.001	<0.015	<0.015	<0.015	<0.015	<0.01
Magnesium D-Mg	<0.005	<0.050	<0.050	<0.050	<0.05	<0.05
Manganese D-Mn	<0.00005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury D-Hg		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001

Nickel D-Ni	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.30	<0.30	<0.30	<0.3	<0.3
Potassium D-K	<2	<2.0	<2.0	<2.0	<2	<2
Selenium D-Se	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silicon D-Si	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05
Silver D-Ag	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2.0	<2.0	<2.0	<2	<2
Strontium D-Sr	<0.0001	<0.001	<0.001	<0.001	<0.001	0.001
Thallium D-Tl	<0.00005	<0.10	<0.10	<0.10	<0.1	<0.1
Tin D-Sn	<0.0001	<0.30	<0.30	<0.30	<0.3	<0.03
Titanium D-Ti	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01
Uranium D-U		<0.10	<0.10	<0.10	<0.1	
Vanadium D-V	<0.00001	<0.0005	<0.0005	<0.00005	<0.00005	<0.00001
Zinc D-Zn	<0.0001	<0.030	<0.030	<0.030	<0.03	<0.03
	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
Organic Parameters						
Chlorophyll	<0.04	-	-	0.04	nd	
Total Organic Carbon C	<0.5	1.1	<0.5	0.6	<0.5	0.5
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.0005					
Acenaphthylene	<0.0005					
Acridine	<0.00005					
Anthracene	<0.0001					
Benzo(a)anthracene	<0.00001					
Benzo(a)pyrene	<0.00001					
Benzo(b)fluoranthene	<0.00001					
Benzo(g,h,i)perylene	<0.0001					
Benzo(k)fluoranthene	<0.00001					
Chrysene	<0.0001					
Dibenz(a,h)anthracene	<0.00001					
Fluoranthene	<0.0001					
Fluorene	<0.0001					
Indeno(1,2,3-c,d)pyrene	<0.00001					
Naphthalene	<0.0002					
Phenanthrene	<0.0002					
Pyrene	<0.00002					

CL96 002 11-T	CL96003 11-T	CL 96004 11-T	CL 96005 11-T	CL97002 11-T	Travel Blank	Field Blank	Field Blank	Trip Blank
960716 12:00	960815 09:20	960912 16:00	961205 13:50	970708 22:00	980831	99 07 05	99 09 01	00 07 29
<1	<1	<1	<1			<10	<10	<2
				<2	-	<2	<2	<10
<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.01
6.18	5.89	5.74	5.98	5.44	-	5.83	6.03	5.73
<1	<1	1	1	2	-	<3	<3	<3
				<0.1	-			
1.2	1.9	2	2					
<1.0	<1.0	<1.0	<1	<1	-	<1	1	<1
<1.0	<1.0	<1.0	<1					<1
<1.0	<1.0	<1.0	<1					
<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	0.7	<0.5
<0.02	<0.02	<0.02	<0.02					
<1.0	<1.0	<1.0	<1	<1	-	<1	<1	<1
<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
<0.001	<0.005	<0.005	<0.005	<0.005	-	<0.005	0.005	<0.005
<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
0.002	<0.001	0.001	<0.001					
0.002	<0.001	0.001	<0.001			<0.002	<0.002	0.002
0.002	<0.001	0.001	<0.001			<0.002	<0.002	0.002
0.002	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00006	<0.00005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001

<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00019	0.00043	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.005	<0.005	<0.005	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
				<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2	<2	<2
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			<0.00001		<0.00001		<0.00001	<0.00001
<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.002	0.002	<0.001	<0.001	<0.001	-	<0.001	<0.001	0.002
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
0.00011	0.0002	0.00009	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005
<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	0.001	<0.001
<0.00005	0.00013	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005
<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
0.0013	0.0004	0.0002	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.03	-	<0.03	<0.03	<0.03
0.00019	<0.00005	<0.00005	<0.00005	<0.00005	-	0.00016	<0.00005	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001
<0.005	0.005	<0.005	<0.05	<0.05	-	<0.1	<0.1	<0.1
0.0001	0.00006	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005
				<0.00005	-	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005

<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
<0.3	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	-	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001
<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	-	<2	<2	<2
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
			<0.00001		-		<0.00001	<0.00001
<0.0001	<0.0001	<0.0001	<0.001	<0.001	-	<0.001	<0.001	<0.001
0.001	0.002	<0.001	<0.001	<0.001	-	<0.001	0.001	<0.001
0.04	0.06	<0.04						1.3
<0.5	0.8	0.9	<0.5			<0.5	<0.5	

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-	-
-	-

Travel Blank	CL95 001 01-V2	CL95 001 01-V2-D	CL95002 04-V1	CL95002 04-V1-D	CL95002 04-V1-DD
00 09 11	95 07 17 10:55	95 07 17 10:55	95 08 19 11:27	95 08 19 11:27	95 08 19 11:27
<2	9	10	8	8	8
<10					
<0.5	4.75	4.66	4.35	4.34	4.37
5.57	6.42	6.55	6.64	6.76	6.73
<3	<1	<1	<1	<1	<1
	2.1	<1.0	3	2.6	2.2
<1	5.6	5.7	4.2	3.8	4.1
<1	5.6	5.7	3.6	4.1	3.8
	<1.0	<1.0	<1.0	<1.0	<1.0
<0.5	<0.5	0.5	<0.5	0.5	0.5
	0.03	0.03	0.02	0.02	0.02
<1	<1.0	<1.0	<1.0	<1.0	<1.0
<0.005	0.012	0.01	0.009	0.007	0.006
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.001	0.001	<0.001	<0.001	<0.001	<0.001
	0.001	0.001	<0.001	<0.001	<0.001
<0.002	0.002	0.003	<0.001	<0.001	<0.001
<0.002	0.004	0.012	<0.001	<0.001	<0.001
<0.001	0.009	0.03	0.026	0.025	0.035
<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.00005	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10
<0.001	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
<0.05	1.05	1.03	1.05	1.04	1.07
<0.0005	<0.015	<0.015	<0.015	<0.015	<0.015
<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.0001	<0.010	<0.010	<0.010	<0.010	<0.010

<0.03	<0.030	<0.030	<0.030	<0.030	<0.030
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.015	<0.015	<0.015	<0.015	<0.015
<0.1	0.556	0.561	0.439	0.464	0.445
<0.00005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.3	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.05	0.262	0.259	0.258	0.253	0.249
<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.0001	0.009	0.008	0.012	0.012	0.012
<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0001	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.010	<0.010	<0.010	<0.010	<0.010
	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	<0.030	<0.030	<0.030	<0.030	<0.030
<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
<0.001	0.009	0.007	0.015	0.02	0.015
<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.00005	<0.010	<0.010	<0.010	<0.010	<0.010
<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.0005	<0.10	<0.10	<0.10	<0.10	<0.10
<0.001	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
<0.05	1.01	0.977	1.02	1.02	1.02
<0.0005	<0.015	<0.015	<0.015	<0.015	<0.015
<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.0001	<0.010	<0.010	<0.010	<0.010	<0.010
<0.03	<0.030	<0.030	<0.030	<0.030	<0.030
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.015	<0.015	<0.015	<0.015	<0.015
<0.1	0.541	0.54	0.439	0.433	0.445
<0.00005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001

<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.3	<0.30	<0.30	<0.30	<0.30	<0.30
<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.05	0.249	0.242	0.258	0.22	0.249
<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2.0	<2.0	<2.0	<2.0	<2.0
<0.0001	0.008	0.008	0.011	0.01	0.01
<0.00005	<0.10	<0.10	<0.10	<0.10	<0.10
<0.0001	<0.30	<0.30	<0.30	<0.30	<0.30
<0.01	<0.010	<0.010	<0.010	<0.010	<0.010
	<0.10	<0.10	<0.10	<0.10	<0.10
<0.00001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	<0.030	<0.030	<0.030	<0.030	<0.030
<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
1.3	-	-	0.66	-	-
	2.8	2.6	2.7	2.7	2.8

CL 96001 05-V1	CL 96001 05-V1-D	CL 96001 05-V1-DD	CL95003 06-V1	CL95003 06-V1-D	CL95003 06-V1-DD
960416 16:16	960416 16:18	960416 16:20	95 09 10 10:30	95 09 10 10:35	95 09 10 10:45
15	15	14	10	14	10
6.76	6.9	6.69	4.19	4.22	4.25
6.88	6.21	6.29	6.56	6.57	6.62
3	<1	<1	1	1	<1
1.8	1.8	1.8	4.8	3.5	2.7
5.5	5.2	5.2	4.2	4.2	3.5
5.5	5.2	5.2	4.2	4.2	3.5
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1	1.1	1.3	0.5	<0.5	0.6
0.06	0.03	0.04	0.02	0.02	0.02
1.3	1.2	1.2	1.5	2	1.6
0.028	0.028	0.029	<0.005	<0.005	<0.005
0.009	0.008	0.008	<0.005	<0.005	<0.005
0.001	0.001	0.001	<0.001	<0.001	<0.001
0.006	0.003	0.003	<0.001	<0.001	0.002
0.006	0.005	0.003	0.002	0.002	0.002
0.007	0.005	0.006	0.004	0.004	0.004
0.028	0.03	0.033	0.026	0.023	0.029
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0002	0.0003	0.0003	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1.7	1.69	1.62	0.995	1.01	0.991
<0.01	<0.01	<0.01	<0.015	<0.015	<0.015
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010

<0.03	<0.03	<0.03	<0.030	<0.030	0.036
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.01	<0.01	<0.01	<0.015	<0.015	<0.015
0.66	0.68	0.66	0.464	0.45	0.454
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	0.003	<0.001	<0.001
<0.3	<0.3	<0.3	<0.30	<0.30	<0.30
<2	<2	<2	<2.0	<2.0	<2.0
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.32	0.32	0.32	0.222	0.219	0.224
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2	<2	<2.0	<2.0	<2.0
0.009	0.011	0.01	0.013	0.013	0.013
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.03	<0.03	<0.03	<0.30	<0.30	<0.30
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010
			<0.10	<0.10	<0.10
0.00015	0.00015	0.00015	<0.00005	<0.00005	<0.00005
<0.03	<0.03	<0.03	<0.030	<0.030	<0.030
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
0.026	0.028	0.032	0.013	0.019	0.017
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1.59	1.68	1.61	0.947	0.95	0.968
<0.01	<0.01	<0.01	<0.015	<0.015	<0.015
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010
<0.03	<0.03	<0.03	<0.030	<0.030	<0.030
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.01	<0.01	<0.01	<0.015	<0.015	<0.015
0.67	0.66	0.65	0.443	0.449	0.444
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.3	<0.3	<0.3	<0.30	<0.30	<0.30
<2	<2	<2	<2.0	<2.0	<2.0
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.32	0.31	0.31	0.205	0.206	0.213
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2	<2	<2.0	<2.0	<2.0
0.011	0.009	0.01	0.013	0.013	0.012
<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
<0.03	<0.03	<0.03	<0.30	<0.30	<0.30
<0.01	<0.01	<0.01	<0.010	<0.010	<0.010
			<0.10	<0.10	<0.10
0.00015	0.00015	0.00015	<0.00005	<0.00005	<0.00005
<0.03	<0.03	<0.03	<0.030	<0.030	<0.030
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
			0.85	0.88	0.88
4.4	4.2	3.7	2.7	5.5	2.7

Duplicates and Triplicates

CL96 206 V1 960723 21:49	CL96 206 V1-D 960723 21:46	CL96 206 V1-DD 960723 21:43	CL-12 V1 95 11 22 13:40	CL-12D V1 95 11 22 13:45	CL-12DD V1 95 11 22 13:47	CL96-003 14-V2 960811 16:15
7	7	7	22	24	24	10
4.64	4.6	4.63	11.4	11.5	11.4	7.25
6.41	6.47	6.45	6.95	7	7	7.01
3	1	3	<1	2	<1	7
1.9	1.9	2.1	3.9	3.1	3.9	1.5
3.2	3.3	2.4	11.1	10.5	10.7	5.9
3.2	3.3	2.4	11.1	10.5	10.7	5.9
<1.0	<1.0	<1.0	<1	<1	<1	<1.0
0.7	0.6	0.6	1	0.7	0.9	0.6
<0.02	0.02	0.03	0.04	0.04	0.04	0.03
<1.0	<1.0	<1.0	<1	2.4	2.5	<1.0
0.005	0.009	0.008	0.028	0.032	0.027	0.01
<0.005	<0.005	<0.005	0.009	<0.005	<0.005	<0.005
0.001	0.001	0.001	0.001	0.001	0.002	<0.001
0.002	0.002	0.002	<0.001	<0.001	<0.001	0.002
0.003	0.003	0.003	<0.001	<0.001	<0.001	0.002
0.005	0.005	0.005	<0.001	<0.001	<0.001	0.005
0.036	0.038	0.027	0.017	0.02	0.016	0.036
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.00005
0.00017	0.00019	0.00022	<0.0001	<0.0001	<0.0001	0.00024
0.00196	0.00208	0.00204	<0.01	<0.01	<0.01	0.00157
<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005
<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.0005
0.003	0.004	0.001	<0.1	<0.1	<0.1	0.003
<0.00005	<0.00005	0.00006	<0.0002	<0.0002	<0.0002	<0.00005
1.03	1.02	1	2.34	2.37	2.31	1.6
0.0001	0.0001	0.0001	<0.015	<0.015	<0.015	0.0002
<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	0.0001
0.001	0.001	0.001	<0.01	<0.01	<0.01	0.0015

0.02	0.02	0.02	<0.03	<0.03	<0.03	0.05
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.00005
0.002	0.003	0.001	<0.015	<0.015	<0.015	0.002
0.516	0.511	0.491	1.42	1.43	1.39	0.75
0.00226	0.00228	0.00229	<0.005	<0.005	<0.005	0.00307
			<0.00005	<0.00005	<0.00005	
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.00005
0.0003	0.0003	0.0003	<0.001	<0.001	<0.001	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.001
0.24	0.23	0.23	0.381	0.381	0.374	0.36
<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0059	0.0062	0.0059	0.007	0.007	0.007	0.0063
<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.00005
0.0001	0.0002	0.0002	<0.3	<0.3	<0.3	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			<0.1	<0.1	<0.1	
0.0001	0.0001	0.0001	0.00021	0.00022	0.00022	
<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.0001
<0.001	<0.001	0.001	<0.005	<0.005	<0.005	<0.001
0.024	0.022	0.029	0.014	0.012	0.013	0.021
<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.00005
0.00017	0.00018	0.00019	<0.0001	<0.0001	<0.0001	0.00023
0.00203	0.00197	0.00204	<0.01	<0.01	<0.01	0.00164
<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005
<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.0005
0.002	0.003	0.003	<0.1	<0.1	<0.1	0.002
<0.00005	<0.00005	0.00007	<0.0002	<0.0002	<0.0002	0.00012
1.02	1.01	1.03	2.27	2.33	2.28	1.68
0.0001	<0.0001	<0.0001	<0.015	<0.015	<0.015	0.0002
0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001
0.0011	0.0009	0.0009	<0.01	<0.01	<0.01	0.0015
<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	0.01
0.0001	<0.00005	<0.00005	<0.001	<0.001	<0.001	0.00032
0.001	0.001	0.002	<0.015	<0.015	<0.015	0.001
0.509	0.505	0.501	1.39	1.38	1.38	0.743
0.00062	0.00049	0.00054	<0.005	<0.005	<0.005	0.00054
			<0.00005	<0.00005	<0.00005	
<0.00005	<0.00005	<0.00005	<0.001	<0.001	<0.001	<0.00005

0.0003	0.0003	0.0003	<0.001	<0.001	<0.001	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.001
0.23	0.22	0.23	0.372	0.372	0.374	0.36
<0.00001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.00001
<2	<2	<2	<2	<2	<2	<2
0.0059	0.0059	0.0062	0.007	0.007	0.007	0.0063
<0.00005	<0.00005	<0.00005	<0.1	<0.1	<0.1	<0.00005
0.0001	0.0002	0.0002	<0.3	<0.3	<0.3	0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			<0.1	<0.1	<0.1	
0.00009	0.00009	0.00009	0.00020	0.00021	0.00022	
<0.0001	<0.0001	<0.0001	<0.03	<0.03	<0.03	<0.0001
0.004	0.002	0.003	<0.005	<0.005	<0.005	0.001
0.5	0.53	0.3	nd	nd	nd	-
3.3	3.2	3.6	6.7	6.7	6.4	3.6
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-
-	-	-				-

CL96-003 14-V2-D	CL96-003 14-V2-DD	CL 96005 16-V1	CL 96005 16-V1-D	CL 96005 16-V1-DD	CL96 419 V1
960811 16:18	960811 16:21	961203 11:50	961203 11:55	961203 11:58	960907 13:46
10	10	12	11	13	7
		7.44	7.89	7.66	
6.81	7.16	6.84	6.8	6.79	3.53
7	7.02				6.6
10	1	3	1	2	3
1.7	1.4	3	3	3	2
5.7	5.8	6	6	6	3.2
5.7	5.8	6	6	6	3.2
<1.0	<1.0	<1	<1	<1	<1.0
0.6	0.6	0.9	<0.5	0.8	<0.5
0.03	0.04	0.03	<0.02	0.03	0.03
<1.0	<1.0	<1	<1	<1	1.3
<0.005	<0.005	0.016	0.017	0.019	0.007
<0.005	<0.005	0.011	0.012	0.01	0.034
<0.001	<0.001	0.001	0.001	0.001	0.001
0.002	0.003	<0.001	<0.001	0.002	0.004
0.002	0.004	0.002	0.002	0.002	0.004
0.005	0.007	0.004	0.004	0.004	0.004
0.042	0.028	0.048	0.047	0.047	0.031
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00024	0.0002	0.0002	0.0001	0.0002	0.00028
0.00162	0.00157	0.0021	0.00213	0.00223	0.00227
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.004	0.002	<0.001	0.001	<0.001	0.005
0.00007	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.61	1.6	1.79	1.75	1.75	0.76
0.0002	0.0001	<0.0005	<0.0005	<0.0005	<0.0001
<0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001
0.0014	0.0014	0.0022	0.0021	0.0021	0.0005

0.05	0.05	0.02	0.02	0.02	<0.01
<0.00005	<0.00005	0.00011	0.00011	0.00011	<0.00005
0.003	<0.001	<0.001	<0.001	<0.001	0.003
0.765	0.759	0.79	0.79	0.78	0.388
0.00308	0.00296	0.00179	0.00174	0.00172	0.00087
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0003	0.0003	0.0005	0.0005	0.0005	0.0006
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.36	0.36	0.95	0.93	0.93	0.06
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2
0.0064	0.0062	0.0057	0.0056	0.0056	0.0047
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		0.00017	0.00017	0.00017	
<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001
<0.001	<0.001	0.002	0.002	0.002	0.001
0.015	0.031	0.041	0.04	0.039	0.031
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00026	0.00017	0.0001	0.0002	0.0001	0.00027
0.00153	0.00159	0.00202	0.00203	0.00197	0.00223
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	0.003	0.001	<0.001	<0.001	0.006
0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.5	1.6	1.7	1.83	1.77	0.77
<0.0001	0.0001	<0.0005	<0.0005	<0.0005	<0.0001
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0012	0.0014	0.004	0.0019	0.0019	0.0005
0.01	0.02	<0.01	<0.01	<0.01	<0.01
<0.00005	<0.00005	0.00008	0.00006	<0.00005	<0.00005
<0.001	0.002	<0.001	<0.001	<0.001	0.004
0.745	0.767	0.78	0.81	0.79	0.388
0.00034	0.00047	0.00029	0.00026	0.00026	0.0004
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

0.0003	0.0003	0.0005	0.0005	0.0005	0.0006
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.34	0.36	0.89	0.94	0.93	0.06
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2
0.006	0.0062	0.0056	0.0056	0.0055	0.0046
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	0.0001	0.0001	0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		0.00017	0.00017	0.00016	
<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001
<0.001	<0.001	0.002	0.001	0.001	0.002
-	-				2
3.8	3.8	5.1	5.1	5.2	0.24
-	-	-	-	-	<0.0005
-	-	-	-	-	<0.0005
-	-	-	-	-	<0.00005
-	-	-	-	-	<0.0001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.0001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.0001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.0001
-	-	-	-	-	<0.0001
-	-	-	-	-	<0.00001
-	-	-	-	-	<0.0002
-	-	-	-	-	<0.0002
-	-	-	-	-	<0.00002

CL96 419 V1-D 960907 13:50	CL96 419 V1-DD 960907 13:55	CL-25	Triplicate CL-25	Triplicate CL-25	CL-28	Triplicate	Triplicate	CL-05
		99 07 05	99 07 05	99 07 05	99 08 02	99 08 02	99 08 02	99 09 01
7	6	11	14	<10	10	14	12	12
		12	13	13	16	16	15	13
3.27	3.33	5.85	6.03	5.97	6.87	7.06	6.91	5.43
6.62	6.69	6.44	6.55	6.62	6.57	6.63	6.58	6.73
1	1	<3	4	<3	<3	<3	<3	<3
2	2							
3.4	3	5	6	6	5	6	5	5
3.4	3							
<1.0	<1.0							
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	0.9
0.03	0.04							
1.3	1.3	1	1	1	1	2	2	2
0.007	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
0.034	0.03	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	0.007
0.001	0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.001
0.003	0.002							
0.003	0.003	0.003	0.006	0.005	0.003	0.004	<0.002	<0.002
0.005	0.004	0.007	0.006	0.006	0.004	0.004	0.003	0.004
0.015	0.011	0.016	0.017	0.017	0.027	0.026	0.025	0.021
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00027	0.00028	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.00226	0.00449	0.00145	0.00141	0.00142	0.00227	0.00236	0.00231	0.0019
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.72	0.71	1.24	1.25	1.25	1.41	1.47	1.45	1.17
<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0006	0.0006	0.0007	0.0006	0.0006	0.0009	0.0009	0.0009	0.0013

<0.01	<0.01	<0.03	<0.03	<0.03	0.03	0.03	0.03	<0.03
<0.00005	<0.00005	0.00015	0.00016	0.00022	<0.00005	<0.00005	<0.00005	<0.00005
0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.389	0.366	0.7	0.7	0.7	0.8	0.8	0.8	0.6
0.00091	0.00087	0.00367	0.00374	0.00353	0.00271	0.00279	0.0028	0.00201
		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0006	0.0006	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.07	0.06	0.32	0.25	0.24	0.32	0.34	0.34	0.30
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2	<2	<2
0.0044	0.0044	0.0038	0.0036	0.0037	0.006	0.0062	0.0062	0.0053
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
								0.0002
<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
0.005	0.017	0.012	0.012	0.011	0.023	0.022	0.022	0.014
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00028	0.00027	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.00217	0.00224	0.0014	0.00136	0.00135	0.00238	0.00233	0.00237	0.00184
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.72	0.74	1.23	1.24	1.23	1.46	1.47	1.47	1.19
<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0005	0.0013	0.0006	0.0006	0.051	0.0009	0.0009	0.0009	0.001
<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<0.00005	<0.00005	0.00014	0.00026	0.00267	<0.00005	<0.00005	<0.00005	<0.00005
<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.357	0.363	0.7	0.7	0.7	0.8	0.8	0.8	0.6
0.00033	0.00045	0.00287	0.00278	0.0028	0.00258	0.00218	0.00204	0.00058
		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

0.0006	0.0006	0.0002	0.0002	0.0002	0.0003	0.0004	0.0003	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.06	0.06	0.35	0.23	0.35	0.37	0.36	0.34	0.3
<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.0001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2	<2	<2	<2	<2
0.0043	0.0044	0.0037	0.0036	0.0036	0.0062	0.006	0.0062	0.0054
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
								0.00019
<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.001	0.001	<0.001	0.001	0.032	<0.001	0.002	<0.001	<0.001
2.3	2							
0.24	0.24	3	3	2.9	4.5	5.1	4.5	3.3

<0.0005	<0.0005
<0.0005	<0.0005
<0.00005	<0.00005
<0.0001	<0.0001
<0.00001	<0.00001
<0.00001	<0.00001
<0.00001	<0.00001
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<0.00001	<0.00001
<0.0001	<0.0001
<0.00001	<0.00001
<0.0001	<0.0001
<0.0001	<0.0001
<0.00001	<0.00001
<0.0002	<0.0002
<0.0002	<0.0002
<0.00002	<0.00002

Triplicate CL-05	Triplicate CL-05	CL-05	Dup CL-05	Tripli CL-05	CL-05	Dupli-CL-05
99 09 01	99 09 01	00 07 29	00 07 29	00 07 29	00 09 11	00 09 11
11	12	22	-	22	22	19
15	14	<10	-	13	12	11
5.61	5.59	6.21	6.7	6.52	6.4	6
6.83	6.7	7.04	-	7.13	7.15	6.74
3	4	<3	-	<3	<3	<3
6	5	5	-	5	5	5
		5	-	5	5	5
0.7	0.7	1.2	-	1.4	2	0.8
1	2	<1	-	<1	2	2
<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
0.009	0.008	0.093	-	0.077	0.007	<0.005
<0.001	<0.001	0.001	-	0.001	0.001	0.001
0.003	0.003	<0.002	-	<0.002	<0.002	<0.002
0.003	0.004	0.005	-	0.002	0.005	0.004
0.023	0.021	0.016	0.018	0.017	0.014	0.016
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.00196	0.00194	0.00238	0.00255	0.0025	0.00194	0.00207
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.28	1.27	1.5	1.55	1.56	1.3	1.29
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.001	0.001	0.0009	0.0011	0.0009	0.0008	0.0009

<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03			
<0.00005	<0.00005	<0.00005	<0.00015	<0.00005	<0.00005	<0.00005			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
0.6	0.6	0.7	0.7	0.7	0.7	0.7			
0.00213	0.00215	0.00529	0.00571	0.00554	0.00275	0.00311			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003			
<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
<2	<2	<2	<2	<2	<2	<2			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
0.34	0.32	0.29	0.30	0.31	0.28	0.31			
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001			
<2	<2	<2	<2	<2	<2	<2			
0.0053	0.0054	0.0064	0.0067	0.0065	0.0054	0.006			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
0.0002	0.0002	0.00015	0.00016	0.00016	0.00015	0.00015			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
0.014	0.013	0.012	0.046	0.013	0.015	0.011			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002			
0.00189	0.00182	0.00243	0.00255	0.00235	0.00238	0.00205			
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
1.26	1.25	1.48	1.58	1.53	1.4	1.3			
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
0.0009	0.0009	0.0009	0.0009	0.0009	0.0008	0.0008			
<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
0.6	0.6	0.6	0.7	0.7	0.7	0.7			
0.00071	0.00055	0.00324	0.00362	0.00314	0.0017	0.00103			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005			

0.0003	0.0003		0.0003	0.0004	0.0003		0.0005	0.0003	
<0.3	<0.3		<0.3	<0.3	<0.3		<0.3	<0.3	
<2	<2		<2	<2	<2		<2	<2	
<0.001	<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	
0.32	0.3		0.28	0.29	0.29		0.42	0.31	
<0.00001	<0.00001		<0.00001	<0.00001	<0.00001		<0.00001	<0.00001	
<2	<2		<2	<2	<2		<2	<2	
0.0053	0.0052		0.0063	0.0065	0.0062		0.0061	0.0059	
<0.00005	<0.00005		<0.00005	<0.00005	<0.00005		<0.00005	<0.00005	
<0.0001	<0.0001		<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	
<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	
0.00019	0.00018		0.00016	0.00015	0.00015		0.00014	0.00014	
<0.001	<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	
<0.001	<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	
			3.7	3.8	3.8		4.4	3.6	
3.1	3.2								

Tripli-
CL-05

00 09 11

15
14
5.8
6.8
<3

5
5

1.1

2

<0.005
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<0.001

3.6

Splits

CL 96005 05-V1	CL 96005 05-V1/SP	CL95003 12-V1	CL95003 12-V1-SP
961204 10:45	961204 10:45	95 09 10 12:45	95 09 10 12:50
13	12	15	18
6.5	6.42		
6.68	6.58	8.19	8.2
		6.87	6.88
5	1	<1	<1
2	3	3.5	2.9
5	5	8.9	8.7
5	5	8.9	8.7
<1	<1	<1.0	<1.0
1.3	1.1	<0.5	0.6
0.04	0.03	0.03	0.03
1	1	<1.0	1.5
0.018	0.014	<0.005	<0.005
0.018	0.017	<0.005	<0.005
0.001	0.001	<0.001	<0.001
0.001	<0.001	<0.001	<0.001
0.002	0.002	0.003	0.003
0.003	0.003	0.004	0.005
0.031	0.031	0.027	0.03
<0.00005	<0.00005	<0.0001	<0.0001
0.0002	0.0002	<0.0001	<0.0001
0.00281	0.00284	<0.010	<0.010
<0.0005	<0.0005	<0.005	<0.005
<0.0005	<0.0005	<0.10	<0.10
0.001	0.001	<0.10	<0.10
<0.00005	<0.00005	<0.0002	<0.0002
1.47	1.5	1.69	1.67
<0.0005	<0.0005	<0.015	<0.015
<0.0001	<0.0001	<0.001	<0.001
0.0014	0.0014	<0.010	<0.010

<0.01	<0.01	0.1	0.097
0.00006	0.00005	<0.001	<0.001
<0.001	<0.001	<0.015	<0.015
0.69	0.69	1.06	1.02
0.00153	0.00155	<0.005	<0.005
		<0.00005	<0.00005
<0.00005	<0.00005	<0.001	<0.001
0.0004	0.0004	<0.001	<0.001
<0.3	<0.3	<0.30	<0.30
<2	<2	<2.0	<2.0
<0.001	<0.001	<0.0005	<0.0005
0.56	0.57	0.265	0.255
<0.00001	<0.00001	<0.0001	<0.0001
<2	<2	<2.0	<2.0
0.0084	0.0084	0.013	0.011
<0.00005	<0.00005	<0.10	<0.10
<0.0001	<0.0001	<0.30	<0.30
<0.01	<0.01	<0.010	<0.010
		<0.10	<0.10
0.00023	0.00023	<0.00005	<0.00005
<0.001	<0.001	<0.030	<0.030
0.001	0.001	<0.005	<0.005
0.025	0.024	0.012	0.012
<0.00005	<0.00005	<0.0001	<0.0001
0.0001	0.0002	<0.0001	<0.0001
0.00271	0.00273	<0.010	<0.010
<0.0005	<0.0005	<0.005	<0.005
<0.0005	<0.0005	<0.10	<0.10
0.001	0.001	<0.10	<0.10
<0.00005	<0.00005	<0.0002	<0.0002
1.47	1.45	1.64	1.63
<0.0005	<0.0005	<0.015	<0.015
<0.0001	<0.0001	<0.001	<0.001
0.0014	0.0014	<0.010	<0.010
<0.01	<0.01	0.051	0.057
<0.00005	<0.00005	<0.001	<0.001
<0.001	<0.001	<0.015	<0.015
0.69	0.68	0.995	1
0.00046	0.00047	<0.005	<0.005
		<0.00005	<0.00005
<0.00005	<0.00005	<0.001	<0.001

0.0004	0.0004	<0.001	<0.001
<0.3	<0.3	<0.30	<0.30
<2	<2	<2.0	<2.0
<0.001	<0.001	<0.0005	<0.0005
0.55	0.55	0.246	0.249
<0.00001	<0.00001	<0.0001	<0.0001
<2	<2	<2.0	<2.0
0.0081	0.0083	0.011	0.011
<0.00005	<0.00005	<0.10	<0.10
<0.0001	<0.0001	<0.30	<0.30
<0.01	<0.01	<0.010	<0.010
		<0.10	<0.10
0.00022	0.00022	<0.00005	<0.00005
<0.001	<0.001	<0.030	<0.030
<0.001	<0.001	<0.005	<0.005
		0.88	0.76
4.5	4.5	4.8	5.2

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PARAMETER	DETECTION LIMIT (mg/L, or as specified)							
	1995	April 1996	July 1996 to August 1996	Sept 96	Dec 1906	July 1997	Aug 1998	1999
Final Report - Jericho Water Quality								
Station								
Date								
Time								
Physical Tests								
Total Dissolved Solids	1	1	1	1	1	1	1	3
Conductivity (umhos/cm)	1	1	1	1	1	1	1	1
Hardness CaCO3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
pH	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Suspended Solids	1	1	1	1	1	1	1	1
Turbidity (NTU)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Dissolved Anions								
Acidity CaCO3	1	1	1	1	1	1	1	1
Alkalinity-Total CaCO3	1	1	1	1	1	1	1	1
Alkalinity - Bicarbonate CaCO3	1	1	1	1	1	1	1	1
Alkalinity - Carbonate CaCO3	1	1	1	1	1	1	1	1
Chloride Cl	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Fluoride F	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Sulphate SO4	1	1	1	1	1	1	1	1
Nutrients								
Ammonia Nitrogen N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Nitrate Nitrogen N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Nitrite Nitrogen N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Dissolved Phosphate P	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Phosphorus P	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Metals								

PARAMETER	DETECTION LIMIT (mg/L, or as specified)							
	1995	April 1996	July 1996 to August 1996	Sept 96	Dec 1906	July 1997	Aug 1998	1999
Aluminum T-Al	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001
Antimony T-Sb	0.0001	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Arsenic T-As	0.0001	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Barium T-Ba	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium T-Be	0.005	0.005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Bismuth T-Bi	0.1	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Boron T-B	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001
Cadmium T-Cd	0.0002	0.0002	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Calcium T-Ca	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Chromium T-Cr	0.015	0.01	0.0005	0.0001	0.0005	0.0005	0.0005	0.0005
Cobalt T-Co	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Copper T-Cu	0.01	0.01	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Iron T-Fe	0.03	0.01	0.01	0.01	0.01	0.03	0.03	0.03
Lead T-Pb	0.001	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Lithium T-Li	0.015	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Magnesium T-Mg	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Manganese T-Mn	0.0005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Mercury T-Hg	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Molybdenum T-Mo	0.001	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Nickel T-Ni	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Phosphorus T-P	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Potassium T-K	2	2	2	2	2	2	2	2
Selenium T-Se	0.0005	0.0005	0.001	0.001	0.001	0.001	0.001	0.001
Silicon T-Si	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Silver T-Ag	0.0001	0.0001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Sodium T-Na	2	2	2	2	2	2	2	2
Strontium T-Sr	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Thallium T-Tl	0.1	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Tin T-Sn	0.03	0.03	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Titanium T-Ti	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

PARAMETER	DETECTION LIMIT (mg/L, or as specified)							
	1995	April 1996	July 1996 to August 1996	Sept 96	Dec 1906	July 1997	Aug 1998	1999
Tungsten T-W	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Uranium T-U	0.0005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00001	0.00001
Vanadium T-V	0.03	0.03	0.0001	0.0001	0.001	0.001	0.001	0.001
Zinc T-Zn	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved Metals								
Aluminum D-Al	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001
Antimony D-Sb	0.0001	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Arsenic D-As	0.0001	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Barium D-Ba	0.01	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium D-Be	0.005	0.005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Bismuth D-Bi	0.1	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Boron D-B	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001
Cadmium D-Cd	0.0002	0.0002	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Calcium D-Ca	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Chromium D-Cr	0.015	0.01	0.0005	0.0001	0.0005	0.0005	0.0005	0.0005
Cobalt D-Co	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Copper D-Cu	0.01	0.01	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Iron D-Fe	0.03	0.01	0.01	0.01	0.01	0.03	0.03	0.03
Lead D-Pb	0.001	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Lithium D-Li	0.015	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Magnesium D-Mg	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Manganese D-Mn	0.0005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Mercury D-Hg	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Molybdenum D-Mo	0.001	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Nickel D-Ni	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Phosphorus D-P	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Potassium D-K	2	2	2	2	2	2	2	2
Selenium D-Se	0.0005	0.0005	0.001	0.001	0.001	0.001	0.001	0.001
Silicon D-Si	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Silver D-Ag	0.0001	0.0001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001

PARAMETER	DETECTION LIMIT (mg/L, or as specified)							
	1995	April 1996	July 1996 to August 1996	Sept 96	Dec 1906	July 1997	Aug 1998	1999
Sodium D-Na	2	2	2	2	2	2	2	2
Strontium D-Sr	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Thallium D-Tl	0.1	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Tin D-Sn	0.03	0.03	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Titanium D-Ti	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Tungsten D-W	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Uranium D-U	0.0005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00001	0.00001
Vanadium D-V	0.03	0.03	0.0001	0.0001	0.001	0.001	0.001	0.001
Zinc D-Zn	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001
Organic Parameters								
Chlorophyll	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total Organic Carbon C	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Final Report - Jericho Water Quality														
													CL-01	
Station	CL95 001	CL95002	CL95003	CL-01	CL 96001	CL96 002	CL96-003	CL 96004	CL 96005	CL-01	CL-01	CL-01	CL-01	CL-01
	01-V1	01-V1	01-V1	V1	01-V1	01-V1	01-V1	01-V1	01-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3
Date	95 07 17	95 08 20	95 09 13	95 11 23	960416	960715	960811	960912	961205					
Time	10:45	11:46	11:23	10:30	11:00	12:00		15:09	13:05					
Physical Tests														
Total Dissolved Solids	9	8	11	12	15	7	7	10	13	8	7	10	15	12
Conductivity (umhos/cm)								5.2	9.4	6.2	5.2	7.3	9.4	8.3
Hardness CaCO3	4.69	4.64	4.78	6.93	7.84	4.62	4.86	7.14	6.6	4.69	4.69	4.62	4.86	7.84
pH	6.51	6.65	6.82	6.94	6.47	6.66	6.94			6.58	6.47	6.66	6.94	6.88
Total Suspended Solids	<1	<1	<1	<1	1	4	18	2	3	0.5	0.5	1	18	3
Turbidity (NTU)														
Dissolved Anions														
Acidity CaCO3	1.1	2.4	1.7	3.9	1.8	<1	1.9	2	2	1.7	0.5	1.9	3.9	2
Alkalinity-Total CaCO3	5.9	5	5.1	6.4	6.7	4.4	4.5	5	7	5	4.4	5.1	7	6.4
Alkalinity - Bicarbonate CaCO3	5.9	4.8	5.1	6.4	6.7	4.4	4.5	5	7	4.8	4.4	5.1	7	6.4
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5
Chloride Cl	<0.5	<0.5	<0.5	0.6	1	<0.5	<0.5	<0.5	0.5	0.25	0.25	0.25	1	0.5
Fluoride F	0.03	0.02	0.02	0.03	0.04	0.04	0.02	0.04	0.04	0.02	0.02	0.03	0.04	0.04
Sulphate SO4	<1	<1	1.8	<1	1.4	<1	<1	<1	1	0.5	0.5	0.5	1.8	1.0
Nutrients														
Ammonia Nitrogen N	0.013	<0.005	<0.005	0.019	0.019	<0.005	0.009	<0.005	0.019	0.003	0.003	0.009	0.019	0.019
Nitrate Nitrogen N	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	0.009	<0.005	<0.005	0.003	0.003	0.003	0.011	0.003
Nitrite Nitrogen N	<0.001	<0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	<0.001	<0.001	<0.001	<0.001	0.007	0.002	0.004	0.001	<0.001	0.001	0.001	0.001	0.007	0.002
Total Dissolved Phosphate P	0.002	0.002	0.003	<0.001	0.007	0.002	0.004	0.002	0.002	0.002	0.001	0.002	0.007	0.003
Total Phosphorus P	0.006	0.006	0.004	<0.001	0.007	0.005	0.007	0.003	0.004	0.004	0.001	0.005	0.007	0.006
Total Metals														
Aluminum T-Al	0.025	0.017	0.039	0.24	0.011	0.02	0.026	0.031	0.023	0.020	0.011	0.025	0.240	0.031
Antimony T-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00005	0.00005
Arsenic T-As	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.00013	0.00017	0.00014	<0.0001	0.0001	0.0001	0.0001	0.0002	0.0001
Barium T-Ba	<0.01	<0.01	<0.01	<0.01	<0.01	0.00211	0.00135	0.00138	0.00216	0.00211	0.00135	0.00500	0.00500	0.00500
Beryllium T-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00250	0.00250	0.00250
Bismuth T-Bi	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0500	0.0500	0.0500
Boron T-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.004	<0.001	0.002	0.002	0.001	0.050	0.050	0.050
Cadmium T-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00010	0.00010	0.00010
Calcium T-Ca	1.02	1.02	1.09	1.89	1.61	0.94	1.06	1.03	1.81	1.02	0.94	1.06	1.89	1.61
Chromium T-Cr	<0.015	<0.015	<0.015	<0.015	<0.01	0.0002	0.0003	0.0001	<0.0005	0.0003	0.0001	0.0050	0.0075	0.0075
Cobalt T-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0005	0.0005	0.0005
Copper T-Cu	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.001	0.0011	0.0016	0.0011	0.0009	0.0050	0.0050	0.0050
Iron T-Fe	<0.03	<0.03	0.031	<0.03	<0.03	0.03	0.03	0.03	<0.01	0.02	0.01	0.02	0.03	0.03
Lead T-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00006	0.00003	0.00003	0.00050	0.00050	0.00050
Lithium T-Li	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.002	<0.001	<0.001	0.001	0.001	0.005	0.008	0.008
Magnesium T-Mg	0.553	0.555	0.583	0.794	0.81	0.535	0.608	0.615	1.06	0.56	0.54	0.61	1.06	0.79
Manganese T-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	0.00375	0.00325	0.00296	0.00158	0.00250	0.00158	0.00250	0.00375	0.00296
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum T-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00050	0.00050	0.00050
Nickel T-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0005	0.0005	0.0005
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15

Station	CL95 001	CL95002	CL95003	CL-01	CL 96001	CL96 002	CL96-003	CL 96004	CL 96005	CL-01	CL-01	CL-01	CL-01	CL-01
	01-V1	01-V1	01-V1	V1	01-V1	01-V1	01-V1	01-V1	01-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3
Date	95 07 17	95 08 20	95 09 13	95 11 23	960416	960715	960811	960912	961205					
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1
Selenium T-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0005	0.0005
Silicon T-Si	0.244	0.247	0.24	0.339	0.31	0.26	0.29	0.4	0.75	0.25	0.24	0.29	0.75	0.34
Silver T-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00005	0.00005	0.00005
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1
Strontium T-Sr	0.009	0.009	0.011	0.01	<0.001	0.0039	0.0043	0.004	0.0064	0.0040	0.0005	0.0064	0.0110	0.0090
Thallium T-Tl	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.05000	0.05000	0.05000
Tin T-Sn	<0.03	<0.03	<0.03	<0.3	<0.03	0.0003	0.0002	0.0001	<0.0001	0.0002	0.0001	0.0150	0.1500	0.0150
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Tungsten T-W	<0.1	<0.1	<0.1	<0.1										
Uranium T-U	<0.0005	<0.0005	<0.0005	0.0001	0.00008				0.00018	0.00012	0.00008	0.00022	0.00025	0.00025
Vanadium T-V	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	0.0001	<0.0001	<0.001	0.0001	0.0001	0.0150	0.0150	0.0150
Zinc T-Zn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0025	0.0025	0.0025
Dissolved Metals														
Aluminum D-Al	0.011	0.006	<0.005	0.006	0.014	0.011	0.02	0.013	0.015	0.006	0.003	0.011	0.020	0.014
Antimony D-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00005	0.00005
Arsenic D-As	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.00015	0.00013	0.00015	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002
Barium D-Ba	<0.01	<0.01	<0.01	<0.01	<0.01	0.00153	0.00143	0.00157	0.00228	0.00157	0.00143	0.00500	0.00500	0.00500
Beryllium D-Be	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0025	0.0025	0.0025
Bismuth D-Bi	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0500	0.0500	0.0500
Boron D-B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.003	<0.001	0.002	0.002	0.001	0.050	0.050	0.050
Cadmium D-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	0.00008	<0.00005	0.00003	0.00003	0.00010	0.00010	0.00010
Calcium D-Ca	1.01	0.992	0.991	1.47	1.74	0.97	1.05	1.05	1.98	0.99	0.97	1.05	1.98	1.47
Chromium D-Cr	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	0.0002	0.0001	<0.0005	0.0002	0.0001	0.0050	0.0075	0.0075
Cobalt D-Co	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00050	0.00050	0.00050
Copper D-Cu	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.0012	0.0013	0.002	0.0013	0.0009	0.0050	0.0050	0.0050
Iron D-Fe	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	0.01	0.005	0.02	0.02	0.02
Lead D-Pb	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00009	<0.00005	0.00014	0.00009	0.00003	0.00050	0.00050	0.00050
Lithium D-Li	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.002	<0.001	<0.001	0.0005	0.0005	0.0050	0.0075	0.0075
Magnesium D-Mg	0.529	0.525	0.56	0.791	0.85	0.533	0.546	0.627	1.07	0.53	0.53	0.56	1.07	0.79
Manganese D-Mn	<0.005	<0.005	<0.005	<0.005	<0.005	0.00048	0.001	0.00063	0.00028	0.00063	0.00028	0.00250	0.00250	0.00250
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005					0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum D-Mo	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00007	0.000025	0.000025	0.000500	0.000500	0.000500
Nickel D-Ni	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0004	0.0002	0.0002	0.0005	0.0005	0.0005
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1
Selenium D-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0005	0.0005
Silicon D-Si	0.227	0.247	0.225	0.341	0.33	0.25	0.28	0.38	0.75	0.25	0.23	0.28	0.75	0.34
Silver D-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000050	0.000050	0.000050
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1
Strontium D-Sr	0.008	0.009	0.01	0.007	0.001	0.0038	0.0041	0.004	0.0065	0.0040	0.0010	0.0065	0.0100	0.0080
Thallium D-Tl	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.05000	0.05000	0.05000
Tin D-Sn	<0.03	<0.03	<0.03	<0.3	<0.03	0.0002	0.0002	0.0001	0.0001	0.0002	0.0001	0.015	0.15	0.015
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Tungsten D-W	<0.1	<0.1	<0.1	<0.1										
Uranium D-U	<0.0005	<0.0005	<0.00005	0.00009	0.00008				0.00017	0.00008	0.00003	0.00013	0.00025	0.00023
Vanadium D-V	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0150	0.0150	0.0150
Zinc D-Zn	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.002	0.003	0.003	0.003	0.001	0.003	0.003	0.003

Station	CL95 001	CL95002	CL95003	CL-01	CL 96001	CL96 002	CL96-003	CL 96004	CL 96005	CL-01	CL-01	CL-01	CL-01	CL-01
	01-V1	01-V1	01-V1	V1	01-V1	01-V1	01-V1	01-V1	01-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3
Date	95 07 17	95 08 20	95 09 13	95 11 23	960416	960715	960811	960912	961205					
Organic Parameters														
Chlorophyll	0.16	0.36	0.46	nd		0.22	0.48	0.59		0.26	0.16	0.41	0.59	0.48
Total Organic Carbon C	2.7	2.3	2.1	2.9	3.1	3	2.6	5.5	3.9	2.6	2.1	2.9	5.5	3.1
Polycyclic Aromatic Hydrocarbons														
Acenaphthene							-		-					
Acenaphthylene							-		-					
Acridine							-		-					
Anthracene							-		-					
Benzo(a)anthracene							-		-					
Benzo(a)pyrene							-		-					
Benzo(b)fluoranthene							-		-					
Benzo(g,h,i)perylene							-		-					
Benzo(k)fluoranthene							-		-					
Chrysene							-		-					
Dibenz(a,h)anthracene							-		-					
Fluoranthene							-		-					
Fluorene							-		-					
Indeno(1,2,3-c,d)pyrene							-		-					
Naphthalene							-		-					
Phenanthrene							-		-					
Pyrene							-		-					

Final Report - Jericho Water Quality												Cigar L					
												JD-01					
Station	CL-01	CL-01	CL95 001	CL95002	CL95003	CL-02	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL-02	CL-02	CL-02	CL-02	CL-02
	Arithmetic	Standard	02-V1	02-V1	02-V1	V1	02-V1	02-V1	02-V1	02-V1	02-V1	402					
	Mean	Deviation										V1					
Date			95 07 17	95 08 20	95 09 13	95 11 23	960715	960811	960912	961205	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29
Time			11:30	12:42	12:01	9:15	11:34	10:41	15:45	13:10	20:32	10:05	9:40				
Physical Tests																	
Total Dissolved Solids	10	3	9	10	11	11	7	7	8	11			18	<15	11	12	12
Conductivity (umhos/cm)	7.3	2.9							5.11	7.87	13	12	22	12	22	13	<15
Hardness CaCO3	5.79	1.31	6.93	4.84	4.62	6.27	4.68	5.22	7.08	6.56	4.99	4.56	8.21	4.9	5.21	5.1	5.07
pH	6.71	0.19	6.56	6.84	6.85	6.69	6.89	7.01			6.06	6.4	6.65	6.52	7.73	6.71	6.96
Total Suspended Solids	3	6	1	<1	<1	<1	1	7	<1	1	3	<1	<3	6	3	<3	<3
Turbidity (NTU)											0.5	0.8					
Dissolved Anions																	
Acidity CaCO3	2	1	1.7	2.6	3.5	4.3	2	1.9	2	3							
Alkalinity-Total CaCO3	5.6	1.0	5.1	8.1	5.1	6.2	4.7	4.5	4.5	7	5	5	8	5	5	6	5
Alkalinity - Bicarbonate CaCO3	5.5	1.0	5.1	4.8	5.1	6.2	4.7	4.5	4.5	7							5
Alkalinity - Carbonate CaCO3	0.5	0.0	<1	<1	<1	<1	<1	<1	<1	<1							
Chloride Cl	0.4	0.3	<0.5	<0.5	0.6	0.6	<0.5	<0.5	<0.5	<0.5	1	<0.5	0.9	<0.5	<0.5	0.7	0.9
Fluoride F	0.03	0.01	0.03	0.02	0.02	0.03	<0.02	0.03	0.04	<0.02							
Sulphate SO4	0.8	0.5	<1	<1	1.1	<1	<1	<1	<1	<1	<1	1	3	1	1	2	<1
Nutrients																	
Ammonia Nitrogen N	0.010	0.008	0.013	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	0.013			0.014	<0.005	<0.005	<0.005	<0.005
Nitrate Nitrogen N	0.004	0.003	<0.005	<0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	0.01	0.019	<0.005	<0.005
Nitrite Nitrogen N	0.001	0.000	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001			0.001	0.002	<0.001	<0.001	<0.001
Dissolved ortho-Phosphate P	0.002	0.002	0.001	<0.001	0.001	<0.001	0.001	0.002	0.001	<0.001							
Total Dissolved Phosphate P	0.003	0.002	0.002	<0.001	0.003	<0.001	0.002	0.002	0.001	0.002			<0.002	0.008	<0.002	<0.002	<0.002
Total Phosphorus P	0.005	0.002	0.004	0.004	0.005	<0.001	0.003	0.004	0.003	0.005			0.005	0.01	0.004	0.003	0.004
Total Metals																	
Aluminum T-Al	0.048	0.072	0.03	0.016	0.022	0.007	0.019	0.018	0.032	0.038	0.016	0.012	0.01	0.015	0.016	0.017	0.012
Antimony T-Sb	0.00004	0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00018	<0.00005	<0.00005	<0.00005	<0.00005
Arsenic T-As	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	0.00015	0.00015	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002
Barium T-Ba	0.00356	0.00173	<0.01	<0.01	<0.01	<0.01	0.00277	0.00132	0.00134	0.00237	0.00154	0.0012	0.00204	0.00142	0.00142	0.00127	0.00121
Beryllium T-Be	0.00150	0.00119	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bismuth T-Bi	0.0279	0.0262	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron T-B	0.029	0.0255	<0.1	<0.1	<0.1	<0.1	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium T-Cd	0.00007	0.00004	<0.0002	<0.0002	<0.0002	<0.0002	0.00012	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	<0.00005	<0.00005	<0.00005
Calcium T-Ca	1.27	0.3807	1.02	1.04	1.03	1.3	0.97	1.02	1.01	1.7	0.99	1.13	1.86	1.16	1.19	1.16	1.19
Chromium T-Cr	0.0040	0.0037	<0.015	<0.015	<0.015	<0.015	0.0002	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	0.0015	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt T-Co	0.0003	0.0002	<0.001	<0.001	<0.001	<0.001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper T-Cu	0.0033	0.0020	<0.01	<0.01	<0.01	<0.01	0.001	0.0012	0.0011	0.0017	0.0011	0.0009	0.0019	0.001	0.0009	0.0009	0.0008
Iron T-Fe	0.02	0.0096	<0.03	<0.03	<0.03	<0.03	0.03	0.02	0.03	0.01	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead T-Pb	0.00029	0.0002	<0.001	<0.001	<0.001	<0.001	0.00008	<0.00005	0.00007	0.00011	0.00006	<0.00005	0.00042	0.00017	<0.00005	<0.00005	<0.00005
Lithium T-Li	0.004	0.0034	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium T-Mg	0.68	0.1753	0.548	0.565	0.548	0.695	0.538	0.586	0.621	0.93	0.56	0.6	0.88	0.5	0.6	0.6	0.5
Manganese T-Mn	0.00267	0.0006	<0.005	<0.005	<0.005	<0.005	0.00393	0.00327	0.00299	0.00162	0.0049	0.00315	0.0013	0.00396	0.00194	0.00178	0.00185
Mercury T-Hg	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	0.00029	0.0003	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel T-Ni	0.0004	0.0001	0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0001	0.0004	0.0003	0.0002	0.0002	0.0002
Phosphorus T-P	0.15	0.0000	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

Station	CL-01	CL-01	CL95 001	CL95002	CL95003	CL-02	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL-02	CL-02	CL-02	CL-02	CL-02
	Arithmetic	Standard	02-V1	02-V1	02-V1	V1	02-V1	02-V1	02-V1	02-V1	02-V1	402					
	Mean	Deviation										V1					
Date			95 07 17	95 08 20	95 09 13	95 11 23	960715	960811	960912	961205	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29
Potassium T-K	1	0.0000	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silicon T-Si	0.34	0.1618	0.242	0.272	0.228	0.3	0.25	0.28	0.38	0.66	0.36	0.31	0.5	0.32	0.30	0.28	0.29
Silver T-Ag	0.00003	0.0000	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sodium T-Na	1	0.0000	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.0065	0.0035	0.009	0.009	0.011	<0.001	0.0039	0.0039	0.004	0.0066	0.0039	0.0042	0.0072	0.0045	0.0049	0.0047	0.0043
Thallium T-Tl	0.02779	0.0263	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin T-Sn	0.0234	0.0480	<0.03	<0.03	<0.03	<0.3	0.0003	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium T-Ti	0.005	0.0000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W			<0.1	<0.1	<0.1	<0.1											
Uranium T-U	0.00019	0.0001	<0.0005	<0.0005	<0.0005	0.00008				0.00018		0.0001	0.00021			0.00014	0.00012
Vanadium T-V	0.0084	0.0078	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc T-Zn	0.0016	0.0011	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.002	0.001	<0.001	0.005	0.003	<0.001	<0.001	<0.001
Dissolved Metals																	
Aluminum D-Al	0.011	0.0054	0.007	0.006	<0.005	0.006	0.022	0.011	0.013	0.013	0.009	0.008	0.007	0.009	0.008	0.006	0.007
Antimony D-Sb	0.00004	0.0000	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00011	<0.00005	<0.00005	<0.00005	<0.00005
Arsenic D-As	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00013	0.00012	0.00013	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
Barium D-Ba	0.00353	0.0018	<0.01	<0.01	<0.01	<0.01	0.00225	0.00134	0.00143	0.00221	0.00164	0.00148	0.00194	0.00144	0.00148	0.00123	0.00129
Beryllium D-Be	0.0015	0.0012	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bismuth D-Bi	0.0279	0.0262	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron D-B	0.028	0.0256	<0.1	<0.1	<0.1	<0.1	0.002	0.002	<0.001	0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Cadmium D-Cd	0.00007	0.0000	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	0.00007	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Calcium D-Ca	1.25	0.3826	0.981	1.04	0.954	1.32	1	1.06	1.03	1.62	1.06	1	1.86	1.13	1.19	1.15	1.19
Chromium D-Cr	0.0040	0.0037	<0.015	<0.015	<0.015	<0.015	0.0001	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	0.001	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt D-Co	0.00030	0.0002	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper D-Cu	0.0034	0.0019	<0.01	<0.01	<0.01	<0.01	0.0009	0.0012	0.0011	0.0018	0.0011	0.0009	0.0019	0.0008	0.0009	0.0009	0.0009
Iron D-Fe	0.01	0.0053	<0.03	<0.03	<0.03	<0.03	0.02	<0.01	<0.01	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead D-Pb	0.00031	0.0002	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00007	0.00013	<0.00005	0.00026	0.00011	0.00005	<0.00005	<0.00005
Lithium D-Li	0.0043	0.0034	<0.015	<0.015	<0.015	<0.015	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium D-Mg	0.67	0.1924	0.535	0.542	0.544	0.722	0.531	0.625	0.616	0.93	0.57	0.5	0.9	0.5	0.5	0.5	0.5
Manganese D-Mn	0.00165	0.0010	<0.005	<0.005	<0.005	<0.005	0.00048	0.00106	0.00056	0.00023	0.00142	0.0003	0.00044	0.002	0.00054	0.00027	0.00052
Mercury D-Hg	0.000025	0.0000	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	0.000294	0.0002	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel D-Ni	0.0004	0.0001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0004	0.0003	0.0003	0.0002	0.0002
Phosphorus D-P	0.15	0.0000	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	1	0.0000	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silicon D-Si	0.34	0.1643	0.226	0.272	0.219	0.304	0.24	0.28	0.35	0.65	0.35	0.23	0.48	0.33	0.28	0.27	0.28
Silver D-Ag	0.000030	0.0000	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Sodium D-Na	1	0.0000	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.0059	0.0029	0.008	0.009	0.01	<0.001	0.0039	0.004	0.0039	0.0065	0.0042	0.005	0.0071	0.0044	0.0049	0.0046	0.0043
Thallium D-Tl	0.02779	0.0263	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin D-Sn	0.0234	0.0481	<0.03	<0.03	<0.03	<0.3	0.0004	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Titanium D-Ti	0.005	0.0000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W			<0.1	<0.1	<0.1	<0.1											
Uranium D-U	0.00014	0.0001	<0.0005	<0.0005	<0.00005	0.00008				0.00017		0.0001	0.0002			0.00012	0.00012
Vanadium D-V	0.0084	0.0079	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc D-Zn	0.002	0.0008	<0.005	<0.005	<0.005	<0.005	<0.001	0.001	0.002	0.003	0.001	<0.001	0.007	0.003	0.002	0.001	<0.001

Station	CL-01	CL-01	CL95 001	CL95002	CL95003	CL-02	CL96 002	CL96-003	CL 96004	CL 96005	CL97002	CL98	CL-02	CL-02	CL-02	CL-02	CL-02
	Arithmetic	Standard	02-V1	02-V1	02-V1	V1	02-V1	02-V1	02-V1	02-V1	02-V1	402					
	Mean	Deviation										V1					
Date			95 07 17	95 08 20	95 09 13	95 11 23	960715	960811	960912	961205	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29
Organic Parameters																	
Chlorophyll	0.38	0.1642	0.38	0.45	0.5	nd	0.19	0.47	0.38								
Total Organic Carbon C	3.1	1.0305	2.6	2.2	2.2	2.3	3	2.6	4	4			4.9	3.1	4	2.8	3.4
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene								-		-							
Acenaphthylene								-		-							
Acridine								-		-							
Anthracene								-		-							
Benzo(a)anthracene								-		-							
Benzo(a)pyrene								-		-							
Benzo(b)fluoranthene								-		-							
Benzo(g,h,i)perylene								-		-							
Benzo(k)fluoranthene								-		-							
Chrysene								-		-							
Dibenz(a,h)anthracene								-		-							
Fluoranthene								-		-							
Fluorene								-		-							
Indeno(1,2,3-c,d)pyrene								-		-							
Naphthalene								-		-							
Phenanthrene								-		-							
Pyrene								-		-							

Final Report - Jericho Water Quality															
Station	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL95 001	CL95002	CL95003	CL-03	CL 96001	CL96 002	CL96-003
		Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	03-1V	03-V1	03-V1	V1	03-V1	03-V1	03-V1
							Mean	Deviation							
Date	00 09 11								95 07 15	95 08 19	95 09 12	95 11 23	960416	960715	960810
Time									13:30	10:24	14:11	12:15	17:18		14:30
Physical Tests															
Total Dissolved Solids	21	7.75	5	10.5	18	11	10	3	11	8	11	12	15	8	7
Conductivity (umhos/cm)	15	11	5	13	22	15	13	6							
Hardness CaCO3	6.2	4.9	4.6	5.2	8.2	6.5	5.7	1.1	4.11	4.24	4.22	5.82	6.75	4.19	4.43
pH	7.22	6.55	6.06	6.70	7.73	6.86	6.74	0.40	6.33	6.77	6.75	6.76	6.48	6.5	6.89
Total Suspended Solids	<3	0.5	0.2	0.8	7.0	2.5	1.8	2.2	<1	1	1	<1	<1	<1	5
Turbidity (NTU)		0.6	0.5	0.7	0.8	0.7	0.7	0.2							
Dissolved Anions															
Acidity CaCO3		2.0	1.7	2.3	4.3	3.1	2.6	0.9	2.3	2.4	3.1	5.5	1.8	<1	1.9
Alkalinity-Total CaCO3	6	5	5	5	8	6	6	1	4.4	3.5	4.3	5.9	5.5	3.7	3.4
Alkalinity - Bicarbonate CaCO3	6	4.7	4.5	5.0	7.0	5.4	5.2	0.9	4.4	3.1	4.3	5.9	5.5	3.7	3.4
Alkalinity - Carbonate CaCO3		0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1	<1	<1	<1
Chloride Cl	1.2	0.25	0.25	0.25	1.00	0.60	0.43	0.27	0.9	<0.5	0.7	0.8	1.4	0.5	0.7
Fluoride F		0.02	0.01	0.03	0.04	0.03	0.02	0.01	0.14	0.02	0.02	0.03	0.04	0.03	0.03
Sulphate SO4	2	0.5	0.5	0.5	3.0	1.0	0.9	0.7	<1	<1	2	<1	1.5	<1	<1
Nutrients															
Ammonia Nitrogen N	<0.005	0.003	0.003	0.003	0.014	0.013	0.006	0.005	0.017	0.01	<0.005	0.011	0.026	<0.005	<0.005
Nitrate Nitrogen N	<0.005	0.003	0.003	0.003	0.019	0.006	0.005	0.005	0.01	<0.005	<0.005	0.041	0.017	<0.005	<0.005
Nitrite Nitrogen N	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.000	0.001	0.001	<0.001	0.001	0.001	<0.001	0.001
Dissolved ortho-Phosphate P		0.001	0.001	0.001	0.002	0.001	0.001	0.000	<0.001	<0.001	<0.001	<0.001	0.004	0.001	0.002
Total Dissolved Phosphate P	<0.002	0.001	0.001	0.002	0.008	0.002	0.002	0.002	0.003	<0.001	0.002	<0.001	0.004	0.002	0.002
Total Phosphorus P	0.004	0.003	0.0005	0.004	0.01	0.005	0.004	0.002	0.005	0.004	0.004	<0.001	0.004	0.005	0.005
Total Metals															
Aluminum T-Al	0.023	0.015	0.007	0.017	0.038	0.021	0.019	0.009	0.036	0.038	0.032	0.023	0.027	0.028	0.039
Antimony T-Sb	<0.00005	0.00003	0.00003	0.00003	0.00018	0.00005	0.00004	0.00004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
Arsenic T-As	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0003	0.00019	0.00022
Barium T-Ba	0.00138	0.00136	0.00120	0.00179	0.00500	0.00444	0.00262	0.00162	<0.01	<0.01	<0.01	<0.01	<0.01	0.00228	0.00223
Beryllium T-Be	<0.0005	0.00025	0.00025	0.00025	0.0025	0.00194	0.00089	0.00105	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth T-Bi	<0.0005	0.0003	0.0000	0.0003	0.0500	0.0376	0.0144	0.0233	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron T-B	<0.001	0.001	0.001	0.001	0.050	0.038	0.015	0.023	<0.1	<0.1	<0.1	<0.1	<0.1	0.001	0.003
Cadmium T-Cd	<0.00005	0.00003	0.00003	0.00003	0.00012	0.00010	0.00006	0.00004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005
Calcium T-Ca	1.42	1.02	0.97	1.09	1.86	1.18	1.18	0.27	0.996	1.05	1.06	1.3	1.61	0.99	1.11
Chromium T-Cr	<0.0005	0.0003	0.0001	0.0003	0.0075	0.0060	0.0024	0.0034	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	0.0003
Cobalt T-Co	<0.0001	0.0001	0.0001	0.0001	0.0005	0.0004	0.0002	0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Copper T-Cu	0.0009	0.0010	0.0009	0.0012	0.0050	0.0042	0.0023	0.0018	<0.01	<0.01	<0.01	<0.01	<0.01	0.001	0.0013
Iron T-Fe	<0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.03
Lead T-Pb	<0.00005	0.00003	0.00003	0.00010	0.00050	0.00048	0.00022	0.00021	0.001	<0.001	<0.001	<0.001	<0.001	0.00005	0.00017
Lithium T-Li	<0.001	0.001	0.001	0.001	0.008	0.006	0.003	0.003	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.002
Magnesium T-Mg	0.6	0.55	0.50	0.59	0.93	0.62	0.63	0.13	0.444	0.452	0.44	0.633	0.67	0.431	0.462
Manganese T-Mn	0.00137	0.00208	0.00130	0.00250	0.00490	0.00324	0.00277	0.00101	<0.005	<0.005	<0.005	<0.005	<0.005	0.00294	0.00229
Mercury T-Hg	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005		
Molybdenum T-Mo	<0.00005	0.00003	0.00003	0.00003	0.00050	0.00038	0.00016	0.00022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005
Nickel T-Ni	0.0002	0.0002	0.0001	0.0003	0.0010	0.0005	0.0003	0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0004
Phosphorus T-P	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

Station	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL95 001	CL95002	CL95003	CL-03	CL 96001	CL96 002	CL96-003
		Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	03-1V	03-V1	03-V1	V1	03-V1	03-V1	03-V1
Date	00 09 11								95 07 15	95 08 19	95 09 12	95 11 23	960416	960715	960810
Potassium T-K	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	<2
Selenium T-Se	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon T-Si	0.39	0.27	0.23	0.30	0.66	0.35	0.33	0.12	0.278	0.252	0.227	0.431	0.33	0.23	0.23
Silver T-Ag	<0.00001	0.00001	0.00001	0.00001	0.00005	0.00004	0.00002	0.00002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium T-Na	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	<2
Strontium T-Sr	0.0051	0.0039	0.0005	0.0046	0.0110	0.0071	0.0055	0.0027	0.011	0.012	0.013	0.007	0.01	0.0091	0.0064
Thallium T-Tl	<0.00005	0.00003	0.00003	0.00003	0.05000	0.03751	0.01430	0.02343	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin T-Sn	<0.0001	0.0001	0.0001	0.0001	0.1500	0.0113	0.0140	0.0396	<0.03	<0.03	<0.03	<0.3	<0.03	0.0003	0.0003
Titanium T-Ti	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten T-W		0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1	<0.1			
Uranium T-U	0.00028	0.00013	0.00008	0.00020	0.00025	0.00025	0.00018	0.00007	<0.0005	<0.0005	<0.0005	0.00016	0.00015		
Vanadium T-V	<0.001	0.0005	0.0001	0.0005	0.0150	0.0114	0.0045	0.0069	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc T-Zn	<0.001	0.0005	0.0005	0.0015	0.0050	0.0025	0.0017	0.0014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.002
Dissolved Metals															
Aluminum D-Al	0.006	0.006	0.003	0.008	0.022	0.011	0.009	0.005	0.018	0.014	0.014	0.021	0.022	0.018	0.017
Antimony D-Sb	<0.00005	0.00003	0.00003	0.00003	0.00011	0.00005	0.00004	0.00002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005
Arsenic D-As	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.00019	0.0002
Barium D-Ba	0.00122	0.00145	0.00123	0.00179	0.00500	0.00431	0.00260	0.00160	<0.01	<0.01	<0.01	<0.01	<0.01	0.00216	0.00202
Beryllium D-Be	<0.0005	0.0003	0.0003	0.0003	0.0025	0.0019	0.0009	0.0011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005
Bismuth D-Bi	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0376	0.0145	0.0233	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005
Boron D-B	<0.001	0.001	0.001	0.002	0.050	0.038	0.015	0.023	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	0.002
Cadmium D-Cd	<0.00005	0.00003	0.00003	0.00003	0.00010	0.00009	0.00005	0.00003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005
Calcium D-Ca	1.4	1.01	0.95	1.06	1.86	1.18	1.17	0.26	0.945	0.978	0.988	1.29	1.61	0.98	1.03
Chromium D-Cr	<0.0005	0.0003	0.0001	0.0003	0.0075	0.0059	0.0023	0.0034	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	0.0002
Cobalt D-Co	<0.0001	0.00005	0.00005	0.00005	0.00050	0.00039	0.00018	0.00021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Copper D-Cu	0.0008	0.0009	0.0008	0.0012	0.0050	0.0042	0.0023	0.0018	<0.01	<0.01	<0.01	<0.01	<0.01	0.0009	0.001
Iron D-Fe	<0.03	0.02	0.01	0.02	0.02	0.02	0.01	0.00	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01
Lead D-Pb	<0.00005	0.00003	0.00003	0.00009	0.00050	0.00044	0.00020	0.00021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00017
Lithium D-Li	<0.001	0.0005	0.0005	0.0005	0.0075	0.0059	0.0025	0.0033	<0.015	<0.015	<0.015	<0.015	<0.01	<0.001	0.001
Magnesium D-Mg	0.6	0.51	0.50	0.54	0.93	0.62	0.61	0.14	0.426	0.436	0.427	0.631	0.66	0.419	0.452
Manganese D-Mn	0.00023	0.00045	0.00023	0.00081	0.00250	0.00238	0.00124	0.00096	<0.005	<0.005	<0.005	<0.005	<0.005	0.00097	0.00046
Mercury D-Hg	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005		
Molybdenum D-Mo	<0.00005	0.000025	0.000025	0.000025	0.000500	0.000381	0.000161	0.000223	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005
Nickel D-Ni	0.0002	0.0002	0.0002	0.0003	0.0005	0.0005	0.0003	0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003
Phosphorus D-P	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	<2
Selenium D-Se	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001
Silicon D-Si	0.36	0.25	0.22	0.28	0.65	0.35	0.32	0.12	0.252	0.252	0.209	0.425	0.33	0.22	0.21
Silver D-Ag	<0.00001	0.000005	0.000005	0.000005	0.000050	0.000039	0.000018	0.000021	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001
Sodium D-Na	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	<2
Strontium D-Sr	0.005	0.0041	0.0005	0.0048	0.0100	0.0070	0.0054	0.0025	0.009	0.01	0.013	0.007	0.01	0.0091	0.0061
Thallium D-Tl	<0.00005	0.00003	0.00003	0.00003	0.05000	0.03751	0.01430	0.02343	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005
Tin D-Sn	<0.0001	0.00005	0.00005	0.0001	0.15	0.01	0.01	0.04	<0.03	<0.03	<0.03	<0.3	<0.03	0.0003	0.0003
Titanium D-Ti	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tungsten D-W									<0.1	<0.1	<0.1	<0.1			
Uranium D-U	0.00027	0.00010	0.00003	0.00015	0.00025	0.00021	0.00015	0.00008	<0.0005	<0.0005	<0.00005	0.00015	0.00014		
Vanadium D-V	<0.001	0.0005	0.0001	0.0005	0.0150	0.0114	0.0045	0.0069	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001
Zinc D-Zn	<0.001	0.001	0.001	0.002	0.007	0.003	0.002	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	0.001	0.002

Station	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL-02	CL95 001	CL95002	CL95003	CL-03	CL 96001	CL96 002	CL96-003
		Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	03-1V	03-V1	03-V1	V1	03-V1	03-V1	03-V1
							Mean	Deviation							
Date	00 09 11								95 07 15	95 08 19	95 09 12	95 11 23	960416	960715	960810
Organic Parameters															
Chlorophyll		0.38	0.19	0.42	0.50	0.47	0.40	0.11	0.19	0.97	0.96	nd		0.44	0.77
Total Organic Carbon C	3.8	2.5	2.2	2.9	4.9	4.0	3.1	0.9	4.3	2.8	2.4	3.7	4	3.8	3.1
Polycyclic Aromatic Hydrocarbons															
Acenaphthene															-
Acenaphthylene															-
Acridine															-
Anthracene															-
Benzo(a)anthracene															-
Benzo(a)pyrene															-
Benzo(b)fluoranthene															-
Benzo(g,h,i)perylene															-
Benzo(k)fluoranthene															-
Chrysene															-
Dibenz(a,h)anthracene															-
Fluoranthene															-
Fluorene															-
Indeno(1,2,3-c,d)pyrene															-
Naphthalene															-
Phenanthrene															-
Pyrene															-

Final Report - Jericho Water Quality				Carat L				CL-03							
				JD-01											
Station	CL96	CL 96005	CL97002	CL98	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL95 001	CL95002	CL95003	CL-04
	403	03-V1	03-V1	403	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	04-1V	04-V1	04-V1	V1
	V1			V1						Mean	Deviation				
Date	960903	961204	970708	980831								95 07 15	95 08 19	95 09 12	95 11 23
Time	11:55	11:40	17:50	10:50								12:00	11:27	13:37	11:35
Physical Tests															
Total Dissolved Solids	9	11			8	7	11	15	11	10	2	10	8	10	14
Conductivity (umhos/cm)		6.05	12	11	8.525	6.05	11	12	11.5	9.7	3.2				
Hardness CaCO3	4.47	6.64	4.26	4.98	4.23	4.11	4.43	6.75	5.4	4.9	1.0	4.17	4.35	4.44	6
pH	see below		5.9	6.38	6.38	5.9	6.5	6.89	6.76	6.53	0.31	6.35	6.64	6.8	6.77
Total Suspended Solids	1	1	2	<1	0.5	0.5	1	5	1	1	1	<1	<1	2	<1
Turbidity (NTU)			0.4	0.6	0.45	0.4	0.5	0.6	0.55	0.5	0.1				
Dissolved Anions															
Acidity CaCO3	2	2			1.9	0.5	2	5.5	2.4	2.4	1.4	1.7	3	1.9	3.5
Alkalinity-Total CaCO3	4.3	5	4	4	3.85	3.4	4.3	5.9	4.7	4.4	0.8	4.9	4.2	4.2	5.7
Alkalinity - Bicarbonate CaCO3	4.3	5			3.7	3.1	4.3	5.9	5	4.4	0.9367497	4.9	3.6	4.2	5.7
Alkalinity - Carbonate CaCO3	<1	<1			0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1
Chloride Cl	0.6	<0.5	1.2	<0.5	0.375	0.25	0.7	1.4	0.85	0.7	0.4	0.9	<0.5	0.7	0.8
Fluoride F	0.04	0.03			0.03	0.02	0.03	0.14	0.04	0.04	0.04	0.03	0.02	0.02	0.03
Sulphate SO4	<1	1	2	<1	0.5	0.5	0.5	2	1.25	0.9	0.6	<1	<1	1.3	1.9
Nutrients															
Ammonia Nitrogen N	0.013	0.01			0.003	0.003	0.010	0.026	0.013	0.011	0.008	0.014	0.009	<0.005	0.012
Nitrate Nitrogen N	0.012	0.033	0.013	0.011	0.003	0.003	0.011	0.041	0.015	0.013	0.013	0.011	<0.005	<0.005	0.02
Nitrite Nitrogen N	0.002	0.001			0.001	0.001	0.001	0.002	0.001	0.001	0.000	0.001	<0.001	<0.001	0.001
Dissolved ortho-Phosphate P	0.001	<0.001			0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	<0.001	0.002	<0.001
Total Dissolved Phosphate P	0.001	0.002			0.001	0.001	0.002	0.004	0.002	0.002	0.001	0.006	<0.001	0.002	<0.001
Total Phosphorus P	0.002	0.003			0.003	0.0005	0.004	0.005	0.005	0.004	0.002	0.006	<0.001	0.006	<0.001
Total Metals															
Aluminum T-Al	0.062	0.041	0.023	0.014	0.025	0.014	0.032	0.062	0.039	0.033	0.013	0.035	0.026	0.035	0.022
Antimony T-Sb	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic T-As	0.00022	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	0.001
Barium T-Ba	0.00212	0.00262	0.00202	0.0014	0.00218	0.00140	0.00262	0.00500	0.00500	0.00342	0.00154	<0.01	<0.01	<0.01	<0.01
Beryllium T-Be	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.0025	0.0025	0.0013	0.0012	<0.005	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1	<0.1	<0.1	<0.1
Boron T-B	0.004	0.001	<0.001	<0.001	0.001	0.001	0.004	0.050	0.050	0.024	0.025	<0.1	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00010	0.00010	0.00006	0.00004	<0.0002	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.03	1.23	0.95	1.14	1.01	0.95	1.06	1.61	1.19	1.13	0.19	0.977	1.05	1.08	1.43
Chromium T-Cr	0.0001	<0.0005	<0.0005	<0.0005	0.0003	0.0001	0.0003	0.0075	0.0075	0.0033	0.0036	<0.015	<0.015	<0.015	<0.015
Cobalt T-Co	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0005	0.0005	0.0003	0.0002	<0.001	<0.001	<0.001	<0.001
Copper T-Cu	0.001	0.0016	0.001	0.0009	0.0010	0.0009	0.0016	0.0050	0.0050	0.0029	0.0020	<0.01	<0.01	<0.01	<0.01
Iron T-Fe	0.03	0.03	<0.03	0.04	0.02	0.02	0.02	0.04	0.03	0.02	0.01	<0.03	<0.03	<0.03	<0.03
Lead T-Pb	<0.00005	0.00019	<0.00005	<0.00005	0.00004	0.00003	0.00019	0.00100	0.00050	0.00032	0.00031	<0.001	<0.001	<0.001	<0.001
Lithium T-Li	0.002	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.008	0.008	0.004	0.003	<0.015	<0.015	<0.015	<0.015
Magnesium T-Mg	0.5	0.63	0.44	0.6	0.44	0.43	0.46	0.67	0.62	0.52	0.09	0.445	0.439	0.467	0.646
Manganese T-Mn	0.00278	0.00342	0.00548	0.00284	0.00250	0.00229	0.00250	0.00548	0.00289	0.00293	0.00090	<0.005	<0.005	<0.005	<0.005
Mercury T-Hg			<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00050	0.00050	0.00024	0.00025	<0.001	<0.001	<0.001	<0.001
Nickel T-Ni	0.0003	0.0004	0.0003	0.0002	0.0003	0.0002	0.0004	0.0005	0.0005	0.0004	0.0001	<0.001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3

Station	CL96	CL 96005	CL97002	CL98	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL95 001	CL95002	CL95003	CL-04
	403	03-V1	03-V1	403	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	04-1V	04-V1	04-V1	V1
	V1			V1						Mean	Deviation				
Date	960903	961204	970708	980831								95 07 15	95 08 19	95 09 12	95 11 23
Potassium T-K	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2
Selenium T-Se	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.39	0.71	0.37	0.3	0.24	0.23	0.30	0.71	0.38	0.34	0.14	0.277	0.258	0.238	0.39
Silver T-Ag	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00001	0.00005	0.00005	0.00003	0.00002	<0.0001	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2
Strontium T-Sr	0.0057	0.0064	0.0051	0.0049	0.0061	0.0049	0.0070	0.0130	0.0105	0.0082	0.0029	0.011	0.012	0.013	0.01
Thallium T-Tl	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1	<0.1	<0.1	<0.1
Tin T-Sn	0.0002	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0003	0.1500	0.0150	0.0192	0.0440	<0.03	<0.03	<0.03	<0.3
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01
Tungsten T-W					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1	<0.1
Uranium T-U		0.00027		0.00026	0.00021	0.00015	0.00025	0.00027	0.00026	0.00023	0.00005	<0.0005	<0.0005	<0.0005	0.00016
Vanadium T-V	0.0001	<0.001	<0.001	<0.001	0.0003	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03	<0.03	<0.03	<0.03
Zinc T-Zn	0.001	0.002	0.001	0.001	0.0010	0.0005	0.0020	0.0025	0.0025	0.0018	0.0008	<0.005	<0.005	<0.005	<0.005
Dissolved Metals															
Aluminum D-Al	0.034	0.03	0.02	0.007	0.016	0.007	0.018	0.034	0.022	0.020	0.007	0.017	0.015	0.013	0.019
Antimony D-Sb	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic D-As	0.00019	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	0.0019	0.00244	0.00212	0.00142	0.00207	0.00142	0.00244	0.00500	0.00500	0.00337	0.00158	<0.01	<0.01	<0.01	<0.01
Beryllium D-Be	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0025	0.0025	0.0013	0.0012	<0.005	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1	<0.1	<0.1	<0.1
Boron D-B	0.003	<0.001	<0.001	<0.001	0.001	0.001	0.003	0.050	0.050	0.023	0.026	<0.1	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.00005	<0.00005	<0.00005	0.00037	0.00003	0.00003	0.00010	0.00037	0.00010	0.00009	0.00010	<0.0002	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.03	1.33	0.95	1.13	0.98	0.95	1.03	1.61	1.21	1.11	0.21	0.943	1.02	1.02	1.37
Chromium D-Cr	0.0002	<0.0005	<0.0005	<0.0005	0.0002	0.0001	0.0003	0.0075	0.0075	0.0033	0.0036	<0.015	<0.015	<0.015	<0.015
Cobalt D-Co	0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00010	0.00050	0.00050	0.00026	0.00023	<0.001	<0.001	<0.001	<0.001
Copper D-Cu	0.001	0.0014	0.0019	0.0014	0.0012	0.0009	0.0019	0.0050	0.0050	0.0030	0.0020	<0.01	<0.01	<0.01	<0.01
Iron D-Fe	<0.01	<0.01	<0.03	<0.03	0.01	0.01	0.02	0.02	0.02	0.01	0.01	<0.03	<0.03	<0.03	<0.03
Lead D-Pb	<0.00005	<0.00005	0.00007	<0.00005	0.00003	0.00003	0.00017	0.00050	0.00050	0.00026	0.00024	<0.001	<0.001	<0.001	<0.001
Lithium D-Li	0.002	<0.001	<0.001	<0.001	0.0005	0.0005	0.0020	0.0075	0.0075	0.0036	0.0033	<0.015	<0.015	<0.015	<0.015
Magnesium D-Mg	0.463	0.66	0.46	0.5	0.43	0.42	0.46	0.66	0.57	0.50	0.10	0.441	0.439	0.46	0.628
Manganese D-Mn	0.00102	0.00158	0.00372	0.00108	0.00105	0.00046	0.00250	0.00372	0.00250	0.00194	0.00098	<0.005	<0.005	<0.005	<0.005
Mercury D-Hg			<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000500	0.000500	0.000241	0.000248	<0.001	<0.001	<0.001	<0.001
Nickel D-Ni	0.0003	0.0004	0.0003	0.0004	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2
Selenium D-Se	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.37	0.71	0.37	0.29	0.24	0.21	0.29	0.71	0.37	0.33	0.15	0.253	0.258	0.221	0.395
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000050	0.000050	0.000025	0.000024	<0.0001	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2
Strontium D-Sr	0.0056	0.0065	0.0052	0.0048	0.0059	0.0048	0.0070	0.0130	0.0096	0.0078	0.0026	0.011	0.011	0.013	0.01
Thallium D-Tl	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1	<0.1	<0.1	<0.1
Tin D-Sn	0.0002	0.0002	<0.0001	<0.0001	0.0002	0.00005	0.0003	0.15	0.015	0.0192	0.0440	<0.03	<0.03	<0.03	<0.3
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01
Tungsten D-W					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1	<0.1
Uranium D-U		0.00025		0.00023	0.00015	0.00003	0.00023	0.00025	0.00025	0.00019	0.00009	<0.0005	<0.0005	<0.00005	0.00015
Vanadium D-V	<0.0001	<0.001	<0.001	<0.001	0.0003	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03	<0.03	<0.03	<0.03
Zinc D-Zn	0.001	0.001	0.001	0.003	0.001	0.001	0.003	0.003	0.003	0.002	0.001	<0.005	<0.005	<0.005	<0.005

Station	CL96	CL 96005	CL97002	CL98	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL-03	CL95 001	CL95002	CL95003	CL-04
	403	03-V1	03-V1	403	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	04-1V	04-V1	04-V1	V1
	V1			V1						Mean	Deviation				
Date	960903	961204	970708	980831								95 07 15	95 08 19	95 09 12	95 11 23
Organic Parameters															
Chlorophyll	3.3				0.52	0.19	0.87	3.30	0.97	1.11	1.12	0.4	0.66	0.45	nd
Total Organic Carbon C	0.62	4.4			2.8	0.6	3.7	4.4	4.0	3.2	1.2	3.2	2.7	2.5	3.7
Polycyclic Aromatic Hydrocarbons															
Acenaphthene	-	-													
Acenaphthylene	-	-													
Acridine	-	-													
Anthracene	-	-													
Benzo(a)anthracene	-	-													
Benzo(a)pyrene	-	-													
Benzo(b)fluoranthene	-	-													
Benzo(g,h,i)perylene	-	-													
Benzo(k)fluoranthene	-	-													
Chrysene	-	-													
Dibenz(a,h)anthracene	-	-													
Fluoranthene	-	-													
Fluorene	-	-													
Indeno(1,2,3-c,d)pyrene	-	-													
Naphthalene	-	-													
Phenanthrene	-	-													
Pyrene	-	-													

Final Report - Jericho Water Quality							Carat L								
							JD-01				CL-04				
Station	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL95 001
	04-V1	04-V1	04-V1	404	04-V1	04-V1	404	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	05-1V
				V1			V1						Mean	Deviation	
Date	960416	960714	960810	960903	961204	970708	980831								95 07 15
Time	16:55	14:03	16:45	13:19	11:17	18:12	10:40								10:55
Physical Tests															
Total Dissolved Solids	15	8	7	8	13			8	7	10	15	13	10	3	11
Conductivity (umhos/cm)					6.59	12	9	7.795	6.59	9	12	10.5	9.2	2.7	
Hardness CaCO3	6.84	4.39	4.94	4.58	6.58	4.14	4.83	4.37	4.14	4.58	6.84	5.47	5.02	0.98	4.18
pH	6.61	6.5	6.85	6.83		6.03	6.33	6.39	6.03	6.63	6.85	6.79	6.57	0.27	6.41
Total Suspended Solids	<1	1	3	1	1	<1	<1	0.5	0.5	0.5	3	1	1	0.8	2
Turbidity (NTU)						0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.1	
Dissolved Anions															
Acidity CaCO3	1.8	1	1	2	2			1.7	1	1.9	3.5	2	2.0	0.8	1.9
Alkalinity-Total CaCO3	5.4	4	3.2	4.2	6	4	4	4	3.2	4.2	6	5.2	4.5	0.9	5.6
Alkalinity - Bicarbonate CaCO3	5.4	4	3.2	4.2	6			4	3.2	4.2	6	5.4	4.6	1.0	5.6
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1			0.5	0.5	0.5	0.5	0.5	0.5	0	<1
Chloride Cl	1.3	0.6	0.7	0.8	0.8	1.3	<0.5	0.65	0.25	0.8	1.3	0.85	0.76	0.34	0.9
Fluoride F	0.04	0.03	0.03	0.04	0.04			0.03	0.02	0.03	0.04	0.04	0.03	0.01	0.03
Sulphate SO4	1.5	<1	<1	<1	1	<1	<1	0.5	0.5	0.5	1.9	1.15	0.84	0.51	<1
Nutrients															
Ammonia Nitrogen N	0.028	0.007	<0.005	0.011	0.24			0.007	0.003	0.011	0.240	0.014	0.036	0.077	0.013
Nitrate Nitrogen N	0.011	<0.005	<0.005	0.066	0.025	0.021	0.008	0.003	0.003	0.011	0.066	0.021	0.016	0.019	0.013
Nitrite Nitrogen N	0.001	<0.001	<0.001	<0.001	0.001			0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001
Dissolved ortho-Phosphate P	0.003	0.001	0.002	0.003	<0.001			0.001	0.001	0.001	0.003	0.002	0.002	0.001	<0.001
Total Dissolved Phosphate P	0.003	0.002	0.002	0.005	0.002			0.002	0.001	0.002	0.006	0.003	0.003	0.002	0.002
Total Phosphorus P	0.004	0.005	0.004	0.007	0.005			0.004	0.0005	0.005	0.007	0.006	0.004	0.002	0.005
Total Metals															
Aluminum T-Al	0.024	0.027	0.021	0.058	0.041	0.027	0.014	0.023	0.014	0.027	0.058	0.035	0.030	0.012	0.034
Antimony T-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00005	0.00004	0.00001	<0.0001
Arsenic T-As	0.0003	0.00018	0.00665	0.00016	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002	0.0067	0.0003	0.0008	0.0020	<0.0001
Barium T-Ba	<0.01	0.00211	0.00206	0.00232	0.00277	0.00204	0.00138	0.00209	0.00138	0.00277	0.00500	0.00500	0.00343	0.00154	<0.01
Beryllium T-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.0025	0.0025	0.0013	0.0012	<0.005
Bismuth T-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1
Boron T-B	<0.1	<0.001	0.022	0.003	0.001	<0.001	<0.001	0.001	0.001	0.022	0.050	0.050	0.025	0.024	<0.1
Cadmium T-Cd	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00010	0.00010	0.00006	0.00004	<0.0002
Calcium T-Ca	1.71	0.98	1.08	1.06	1.52	0.95	1.1	1.02	0.95	1.08	1.71	1.27	1.18	0.26	1.01
Chromium T-Cr	<0.01	0.0001	0.0007	0.0002	<0.0005	<0.0005	<0.0005	0.0003	0.0001	0.0007	0.0075	0.0075	0.0033	0.0036	<0.015
Cobalt T-Co	<0.001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0005	0.0005	0.0003	0.0002	<0.001
Copper T-Cu	<0.01	0.0009	0.0012	0.001	0.0017	0.001	0.0009	0.0010	0.0009	0.0017	0.0050	0.0050	0.0029	0.0020	<0.01
Iron T-Fe	<0.03	0.03	0.02	0.03	0.02	<0.03	0.04	0.02	0.02	0.02	0.04	0.03	0.02	0.01	<0.03
Lead T-Pb	<0.001	<0.00005	0.00008	<0.00005	0.00007	<0.00005	<0.00005	0.00003	0.00003	0.00008	0.00050	0.00050	0.00025	0.00024	<0.001
Lithium T-Li	<0.01	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.008	0.008	0.004	0.003	<0.015
Magnesium T-Mg	0.7	0.425	0.434	0.524	0.74	0.47	0.5	0.44	0.43	0.47	0.74	0.59	0.53	0.11	0.448
Manganese T-Mn	<0.005	0.003	0.00717	0.00302	0.00209	0.00663	0.0029	0.00250	0.00209	0.00250	0.00717	0.00301	0.00339	0.00176	<0.005
Mercury T-Hg	<0.00005					<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005
Molybdenum T-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00050	0.00050	0.00024	0.00025	<0.001
Nickel T-Ni	<0.001	0.0003	0.0004	0.0003	0.0005	0.0003	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3

Station	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL95 001
	04-V1	04-V1	04-V1	404	04-V1	04-V1	404	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	05-1V
				V1			V1						Mean	Deviation	
Date	960416	960714	960810	960903	961204	970708	980831								95 07 15
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Selenium T-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005
Silicon T-Si	0.34	0.23	0.23	0.3	0.77	0.38	0.3	0.25	0.23	0.30	0.77	0.36	0.34	0.15	0.275
Silver T-Ag	<0.0001	<0.00001	0.00005	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00005	0.00005	0.00005	0.00003	0.00002	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Strontium T-Sr	0.01	0.0091	0.0073	0.0058	0.0074	0.0054	0.0048	0.0066	0.0048	0.0091	0.0130	0.0105	0.0087	0.0028	0.011
Thallium T-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1
Tin T-Sn	<0.03	0.0003	0.0004	0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0004	0.1500	0.0150	0.0192	0.0440	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01
Tungsten T-W								0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1
Uranium T-U	0.00015				0.00028		0.00026	0.00021	0.00015	0.00025	0.00028	0.00026	0.00023	0.00005	<0.0005
Vanadium T-V	<0.03	<0.0001	0.0003	0.0001	<0.001	<0.001	<0.001	0.0004	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03
Zinc T-Zn	<0.005	<0.001	0.019	<0.001	0.002	<0.001	<0.001	0.0005	0.0005	0.0025	0.0190	0.0025	0.0032	0.0053	<0.005
Dissolved Metals															
Aluminum D-Al	0.022	0.026	0.042	0.027	0.03	0.021	0.007	0.016	0.007	0.021	0.042	0.027	0.022	0.009	0.017
Antimony D-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00005	0.00004	0.00001	<0.0001
Arsenic D-As	0.0003	0.00019	0.00028	0.00018	0.0003	0.0002	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001
Barium D-Ba	<0.01	0.00212	0.00219	0.00255	0.0026	0.00202	0.00133	0.00216	0.00133	0.00260	0.00500	0.00500	0.00344	0.00153	<0.01
Beryllium D-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0025	0.0025	0.0013	0.0012	<0.005
Bismuth D-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1
Boron D-B	<0.1	0.002	0.006	0.003	0.001	0.001	0.001	0.002	0.001	0.006	0.050	0.050	0.024	0.025	<0.1
Cadmium D-Cd	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00010	0.00010	0.00006	0.00004	<0.0002
Calcium D-Ca	1.64	1.04	1.1	1.09	1.46	0.93	1.07	1.02	0.93	1.07	1.64	1.24	1.15	0.23	0.965
Chromium D-Cr	<0.01	0.0002	0.0003	0.0001	<0.0005	<0.0005	<0.0005	0.0003	0.0001	0.0003	0.0075	0.0075	0.0033	0.0036	<0.015
Cobalt D-Co	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00050	0.00050	0.00025	0.00024	<0.001
Copper D-Cu	<0.01	0.0008	0.0013	0.0009	0.0016	0.001	0.0009	0.0010	0.0008	0.0016	0.0050	0.0050	0.0029	0.0021	<0.01
Iron D-Fe	<0.03	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	0.01	0.01	0.02	0.02	0.02	0.01	0.01	<0.03
Lead D-Pb	<0.001	<0.00005	0.00021	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00021	0.00050	0.00050	0.00026	0.00024	<0.001
Lithium D-Li	<0.01	<0.001	0.005	0.002	<0.001	<0.001	<0.001	0.0005	0.0005	0.0050	0.0075	0.0075	0.0040	0.0032	<0.015
Magnesium D-Mg	0.66	0.433	0.532	0.451	0.71	0.44	0.5	0.44	0.43	0.46	0.71	0.58	0.52	0.10	0.429
Manganese D-Mn	<0.005	0.00095	0.00314	0.00282	0.00043	0.00416	0.00111	0.00181	0.00043	0.00250	0.00416	0.00266	0.00228	0.00107	<0.005
Mercury D-Hg	<0.00005					<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005
Molybdenum D-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000500	0.000500	0.000241	0.000248	<0.001
Nickel D-Ni	<0.001	0.0003	0.0003	0.0003	0.0005	0.0004	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Selenium D-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005
Silicon D-Si	0.33	0.21	0.21	0.26	0.72	0.37	0.29	0.24	0.21	0.26	0.72	0.35	0.32	0.15	0.254
Silver D-Ag	<0.0001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000020	0.000050	0.000050	0.000027	0.000023	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Strontium D-Sr	0.01	0.0091	0.0076	0.0065	0.0072	0.0053	0.0047	0.0069	0.0047	0.0091	0.0130	0.0105	0.0087	0.0026	0.011
Thallium D-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1
Tin D-Sn	<0.3	0.0002	0.0002	0.0001	0.0001	<0.0001	<0.0001	0.0001	0.00005	0.0002	0.15	0.015	0.031	0.059	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01
Tungsten D-W								0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1
Uranium D-U	0.00015				0.00027		0.00024	0.00015	0.00003	0.00024	0.00027	0.00025	0.00019	0.00009	<0.0005
Vanadium D-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	0.0003	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03
Zinc D-Zn	<0.005	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.001	0.002	0.003	0.003	0.002	0.001	<0.005

Station	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL-04	CL95 001
	04-V1	04-V1	04-V1	404	04-V1	04-V1	404	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	05-1V
				V1			V1						Mean	Deviation	
Date	960416	960714	960810	960903	961204	970708	980831								95 07 15
Organic Parameters															
Chlorophyll		0.26	0.52	3.1				0.41	0.26	0.49	3.10	0.63	0.90	1.09	0.37
Total Organic Carbon C	3.9	3.4	3	0.66	4.8			2.7	0.7	3.2	4.8	3.7	3.1	1.1	3.2
Polycyclic Aromatic Hydrocarbons															
Acenaphthene			-	-	-										
Acenaphthylene			-	-	-										
Acridine			-	-	-										
Anthracene			-	-	-										
Benzo(a)anthracene			-	-	-										
Benzo(a)pyrene			-	-	-										
Benzo(b)fluoranthene			-	-	-										
Benzo(g,h,i)perylene			-	-	-										
Benzo(k)fluoranthene			-	-	-										
Chrysene			-	-	-										
Dibenz(a,h)anthracene			-	-	-										
Fluoranthene			-	-	-										
Fluorene			-	-	-										
Indeno(1,2,3-c,d)pyrene			-	-	-										
Naphthalene			-	-	-										
Phenanthrene			-	-	-										
Pyrene			-	-	-										

Final Report - Jericho Water Quality										Carat L							
										JD-01							
Station	CL95002	CL95003	CL-05	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05
	05-V1	05-V1	V1	05-V1	05-V1	05-V1	405	05-V1	05-V1	405							Quartile 1
							V1			V1							
Date	95 08 19	95 09 10	95 11 23	960416	960714	960810	960903	961204	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11	
Time	13:00	15:20	10:45	16:16	16:01	17:35	15:20	10:45	18:44	10:30	8:30						
Physical Tests																	
Total Dissolved Solids	9	10	15	15	8	8	8	13			16	11	11	12	22	22	9
Conductivity (umhos/cm)								6.5	12	158	22	13	12	13	<15	12	12
Hardness CaCO3	4.33	4.29	6.33	6.76	4.49	4.8	4.59	6.68	4.51	61.4	7.48	5.23	5.58	5.43	6.21	6.4	4.5
pH	6.77	6.92	6.76	6.88	6.5	6.89	6.54		6.19	6.76	6.63	6.48	6.41	6.73	7.04	7.15	6.485
Total Suspended Solids	<1	<1	<1	3	<1	3	4	5	<1	1	<3	<3	<3	<3	<3	<3	0.33
Turbidity (NTU)									0.4	0.3							0.3
Dissolved Anions																	
Acidity CaCO3	2.4	1.9	4.3	1.8	2	1.7	2	2									2
Alkalinity-Total CaCO3	4	4.1	6.2	5.5	4.1	3.7	4	5	4	4	6	4	5	5	5	5	4
Alkalinity - Bicarbonate CaCO3	5	4.1	6.2	5.5	4.1	3.7	4	5							5	5	4.1
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	1	<1	<1	<1									0.5
Chloride Cl	0.5	0.7	0.8	1	0.6	0.7	0.8	1.3	1.2	39	1.3	0.5	<0.5	0.9	1.2	2	0.65
Fluoride F	0.02	0.02	0.03	0.06	<0.02	0.03	0.03	0.04									0.02
Sulphate SO4	<1	1.6	2.1	1.3	<1	<1	<1	<1	1	2	2	1	1	2	<1	2	0.5
Nutrients																	
Ammonia Nitrogen N	0.005	<0.005	0.017	0.028	<0.005	<0.005	0.007	0.018			0.011	<0.005	<0.005	<0.005	<0.005	<0.005	0.003
Nitrate Nitrogen N	<0.005	<0.005	0.028	0.009	<0.005	<0.005	0.007	0.018	0.018	2.5	0.022	0.024	<0.005	0.007	0.093	0.007	0.003
Nitrite Nitrogen N	0.001	0.001	0.001	0.001	<0.001	0.001	0.001	0.001			0.002	0.002	<0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	<0.001	<0.001	<0.001	0.006	0.002	0.006	0.004	0.001									0.001
Total Dissolved Phosphate P	0.003	<0.001	<0.001	0.006	0.002	0.006	0.004	0.002			0.027	0.003	0.004	<0.002	<0.002	<0.002	0.002
Total Phosphorus P	0.005	0.003	<0.001	0.007	0.007	0.007	0.009	0.003			0.039	0.008	0.003	0.004	0.005	0.005	0.003
Total Metals																	
Aluminum T-Al	0.026	0.38	0.022	0.028	0.027	0.033	0.061	0.031	0.026	0.031	0.015	0.023	0.018	0.021	0.016	0.014	0.023
Antimony T-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00008	<0.00005	0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Arsenic T-As	<0.0001	<0.0001	0.0001	0.0002	0.0002	0.00023	0.00018	0.0002	0.0002	0.0001	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
Barium T-Ba	<0.01	<0.01	<0.01	<0.01	0.00226	0.00214	0.00236	0.00281	0.00191	0.0379	0.00267	0.00181	0.00196	0.0019	0.00238	0.00194	0.00205
Beryllium T-Be	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025
Bismuth T-Bi	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003
Boron T-B	<0.1	<0.1	<0.1	<0.1	<0.001	0.003	0.006	0.001	<0.001	0.005	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Cadmium T-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Calcium T-Ca	1.08	1.72	1.4	1.7	1.01	1.07	1.09	1.47	0.93	18.2	1.68	1.15	1.24	1.17	1.5	1.3	1.08
Chromium T-Cr	<0.015	<0.015	<0.015	<0.01	0.0001	0.0002	0.0001	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003
Cobalt T-Co	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Copper T-Cu	<0.01	<0.01	<0.01	<0.01	0.0009	0.0009	0.001	0.0014	0.0011	0.0015	0.0016	0.0009	0.001	0.0013	0.0009	0.0008	0.0010
Iron T-Fe	<0.03	0.031	<0.03	<0.03	0.03	0.02	0.03	<0.01	<0.03	0.03	0.11	<0.03	<0.03	<0.03	<0.03	<0.03	0.02
Lead T-Pb	<0.001	<0.001	<0.001	<0.001	<0.00005	0.00005	<0.00005	0.00006	<0.00005	0.00005	0.00029	0.00023	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Lithium T-Li	<0.015	0.023	<0.015	<0.01	<0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Magnesium T-Mg	0.456	0.466	0.7	0.66	0.435	0.485	0.467	0.69	0.43	4.7	0.81	0.6	0.6	0.6	0.7	0.7	0.46
Manganese T-Mn	<0.005	<0.005	<0.005	<0.005	0.00337	0.0025	0.00318	0.00153	0.00577	0.0477	0.00206	0.00529	0.00267	0.00201	0.00529	0.00275	0.00250
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025
Molybdenum T-Mo	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00006	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Nickel T-Ni	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0004	0.0004	0.0012	0.0005	0.0004	0.0003	0.0003	0.0003	0.0003	0.0004
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15

Station	CL95002	CL95003	CL-05	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05
	05-V1	05-V1	V1	05-V1	05-V1	05-V1	405	05-V1	05-V1	405							Quartile 1
							V1			V1							
Date	95 08 19	95 09 10	95 11 23	960416	960714	960810	960903	961204	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11	
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	1
Selenium T-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003
Silicon T-Si	0.265	0.236	0.425	0.32	0.22	0.22	0.3	0.56	0.37	2.35	0.39	0.48	0.27	0.30	0.29	0.28	0.27
Silver T-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<2	<2	<2	1
Strontium T-Sr	0.012	0.017	0.01	0.009	0.0091	0.0066	0.0066	0.0084	0.0051	0.138	0.008	0.0051	0.0055	0.0053	0.0064	0.0054	0.0061
Thallium T-Tl	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Tin T-Sn	<0.03	<0.03	<0.3	<0.03	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Tungsten T-W	<0.1	<0.1	<0.1														0.05
Uranium T-U	<0.0005	<0.0005	0.00018	0.00015				0.00023		0.0001	0.00022			0.0002	0.00015	0.00015	0.00018
Vanadium T-V	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0005
Zinc T-Zn	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	0.001	0.003	0.002	0.012	0.002	<0.001	<0.001	<0.001	<0.001	0.0005
Dissolved Metals																	
Aluminum D-Al	0.015	0.015	0.028	0.026	0.025	0.017	0.032	0.025	0.02	0.033	0.012	0.015	0.014	0.014	0.012	0.015	0.015
Antimony D-Sb	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Arsenic D-As	<0.0001	<0.0001	<0.0001	0.0002	0.00018	0.00019	0.00018	0.0001	0.0002	0.0001	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
Barium D-Ba	<0.01	<0.01	<0.01	<0.01	0.00225	0.00205	0.00215	0.00271	0.00203	0.0375	0.0026	0.00185	0.00198	0.00184	0.00243	0.00238	0.00204
Beryllium D-Be	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003
Bismuth D-Bi	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003
Boron D-B	<0.1	<0.1	<0.1	<0.1	0.002	0.002	0.004	0.001	0.001	0.005	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Cadmium D-Cd	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Calcium D-Ca	1.01	0.995	1.41	1.59	1.1	1.07	1.09	1.47	1.02	17.3	1.67	1.15	1.24	1.19	1.48	1.4	1.05
Chromium D-Cr	<0.015	<0.015	<0.015	<0.01	0.0001	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003
Cobalt D-Co	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005
Copper D-Cu	<0.01	<0.01	<0.01	<0.01	0.0009	0.0009	0.0009	0.0014	0.001	0.0017	0.0017	0.0009	0.0009	0.001	0.0009	0.0008	0.0009
Iron D-Fe	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	0.01
Lead D-Pb	<0.001	<0.001	<0.001	<0.001	0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00014	0.00021	0.00021	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Lithium D-Li	<0.015	<0.015	<0.015	<0.01	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0005
Magnesium D-Mg	0.436	0.438	0.68	0.67	0.423	0.519	0.453	0.69	0.48	4.4	0.8	0.6	0.6	0.6	0.6	0.7	0.45
Manganese D-Mn	<0.005	<0.005	<0.005	<0.005	0.0013	0.00063	0.00115	0.00046	0.00385	0.0459	0.00101	0.00352	0.00102	0.00058	0.00324	0.0017	0.00102
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005					<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025
Molybdenum D-Mo	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025
Nickel D-Ni	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0003	0.0004	0.0003	0.0013	0.0004	0.0003	0.0003	0.0003	0.0003	0.0005	0.0003
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	1
Selenium D-Se	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003
Silicon D-Si	0.25	0.218	0.422	0.32	0.2	0.21	0.28	0.55	0.39	2.23	0.39	0.28	0.28	0.3	0.28	0.42	0.25
Silver D-Ag	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	1
Strontium D-Sr	0.01	0.013	0.01	0.011	0.0091	0.0065	0.0065	0.0081	0.0052	0.133	0.0079	0.0051	0.0056	0.0054	0.0063	0.0061	0.0061
Thallium D-Tl	<0.1	<0.1	<0.1	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003
Tin D-Sn	<0.03	<0.03	<0.3	<0.03	0.0006	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Tungsten D-W	<0.1	<0.1	<0.1														0.05
Uranium D-U	<0.0005	<0.00005	0.00016	0.00015				0.00022		0.00011	0.00023			0.00019	0.00016	0.00014	0.00015
Vanadium D-V	<0.03	<0.03	<0.03	<0.03	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0005
Zinc D-Zn	<0.005	<0.005	<0.005	<0.005	0.001	0.001	<0.001	<0.001	<0.001	0.003	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.001

Station	CL95002	CL95003	CL-05	CL 96001	CL96 002	CL96-003	CL96	CL 96005	CL97002	CL98	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05
	05-V1	05-V1	V1	05-V1	05-V1	05-V1	405	05-V1	05-V1	405							Quartile 1
							V1			V1							
Date	95 08 19	95 09 10	95 11 23	960416	960714	960810	960903	961204	970708	980831	99 04 07	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11	
Organic Parameters																	
Chlorophyll	0.68	1	nd		0.37	0.62	3.1										0.43
Total Organic Carbon C	2.8	2.5	3.9	4.4	3.8	3	0.67	4.5			5.8	3.6	4.3	3.3	3.7	4.4	3.0
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene						-	-	-									
Acenaphthylene						-	-	-									
Acridine						-	-	-									
Anthracene						-	-	-									
Benzo(a)anthracene						-	-	-									
Benzo(a)pyrene						-	-	-									
Benzo(b)fluoranthene						-	-	-									
Benzo(g,h,i)perylene						-	-	-									
Benzo(k)fluoranthene						-	-	-									
Chrysene						-	-	-									
Dibenz(a,h)anthracene						-	-	-									
Fluoranthene						-	-	-									
Fluorene						-	-	-									
Indeno(1,2,3-c,d)pyrene						-	-	-									
Naphthalene						-	-	-									
Phenanthrene						-	-	-									
Pyrene						-	-	-									

Final Report - Jericho Water Quality															
			CL-05												
Station	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL95 001	CL95002	CL95003	CL-06	CL 96001	CL96	CL96 002	CL96-003	CL 96004
	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	06-1V	06-V1	06-V1	V1	06-V1	206	06-V1	06-V1	06-V1
					Mean	Deviation						V1			
Date							95 07 15	95 08 20	95 09 10	95 11 23	960419	960723	960715	960812	960914
Time							9:15	16:20	10:30	13:30	08:50	21:49	13:36	15:05	12:18
Physical Tests															
Total Dissolved Solids	8	11	16	13	11	3	10	8	10	14	16	7	-	8	9
Conductivity (umhos/cm)	6.5	13	158	17.5	33.8	55.0									5.14
Hardness CaCO3	4.18	5.23	61.4	6.51	9.07	14.51	4.3	4.35	4.19	6.45	7.8	4.64	-	4.85	6.97
pH	6.19	6.68	6.92	6.77	6.63	0.22	6.38	6.76	6.56	6.65	6.25	6.41	-	6.76	
Total Suspended Solids	0.15	0.50	5.00	2.50	1.41	1.60	<1	<1	1	2	<1	3	-	2	1
Turbidity (NTU)	0.3	0.4	0.4	0.4	0.4	0.1									
Dissolved Anions															
Acidity CaCO3	2	2	4	2	2	1	1.3	2.4	4.8	2.9	1.8	1.9	-	1.5	2
Alkalinity-Total CaCO3	3.7	4.1	6.2	5.3	4.7	0.8	5.4	4	4.2	5.2	6.2	3.2	-	3.5	3.2
Alkalinity - Bicarbonate CaCO3	3.7	5	6.2	5.5	4.8	0.9	5.4	3.7	4.2	5.2	6.2	3.2	-	3.5	3.2
Alkalinity - Carbonate CaCO3	0.5	0.5	1	0.5	0.6	0.2	<1	<1	<1	<1	<1	<1	-	<1	<1
Chloride Cl	0.25	0.8	39	1.1	3.4	9.9	0.7	<0.5	0.5	1.1	1.6	0.7	-	0.7	0.7
Fluoride F	0.01	0.03	0.06	0.03	0.03	0.01	0.03	0.02	0.02	0.03	0.03	<0.02	-	0.05	0.04
Sulphate SO4	0.5	1	2.1	1.8	1.2	0.6	<1	<1	1.5	1.4	1.6	<1	-	<1	<1
Nutrients															
Ammonia Nitrogen N	0.003	0.005	0.028	0.013	0.009	0.008	0.013	<0.005	<0.005	0.017	0.033	0.005	-	0.023	<0.005
Nitrate Nitrogen N	0.003	0.009	2.500	0.020	0.177	0.643	<0.005	<0.005	<0.005	0.008	0.01	<0.005	-	0.042	0.007
Nitrite Nitrogen N	0.001	0.001	0.002	0.001	0.001	0.000	0.001	<0.001	<0.001	0.001	0.001	0.001	-	0.001	0.001
Dissolved ortho-Phosphate P	0.001	0.001	0.006	0.004	0.002	0.002	0.001	<0.001	<0.001	<0.001	0.002	0.002	-	0.003	<0.001
Total Dissolved Phosphate P	0.001	0.003	0.027	0.004	0.005	0.007	0.003	0.002	0.002	<0.001	0.002	0.003	-	0.003	0.002
Total Phosphorus P	0.0005	0.005	0.039	0.007	0.008	0.010	0.004	0.004	0.004	<0.001	0.005	0.005	-	0.005	0.003
Total Metals															
Aluminum T-Al	0.015	0.027	0.380	0.032	0.052	0.091	0.03	0.023	0.026	0.021	0.026	0.036	-	0.028	0.034
Antimony T-Sb	0.00003	0.00003	0.00008	0.00005	0.00004	0.00002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	-	<0.00005	<0.00005
Arsenic T-As	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0003	0.00017	-	0.00021	0.00018
Barium T-Ba	0.00181	0.00267	0.03790	0.00500	0.00551	0.00906	<0.01	<0.01	<0.01	<0.01	<0.01	0.00196	-	0.002	0.00215
Beryllium T-Be	0.00025	0.00025	0.0025	0.0025	0.0010	0.0011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	-	<0.0005	<0.0005
Bismuth T-Bi	0.0003	0.0003	0.0500	0.0500	0.0168	0.0243	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	-	<0.0005	<0.0005
Boron T-B	0.001	0.003	0.050	0.050	0.018	0.024	<0.1	<0.1	<0.1	<0.1	<0.1	0.003	-	0.002	<0.001
Cadmium T-Cd	0.00003	0.00003	0.00010	0.00010	0.00005	0.00004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	-	0.0001	<0.00005
Calcium T-Ca	0.93	1.17	18.20	1.58	2.39	4.38	0.993	1.02	0.995	1.54	1.89	1.03	-	1.08	1.11
Chromium T-Cr	0.0001	0.0003	0.0075	0.0063	0.0025	0.0033	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	-	0.0002	0.0001
Cobalt T-Co	0.0001	0.0001	0.0005	0.0005	0.0002	0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	-	0.0003	<0.0001
Copper T-Cu	0.0009	0.0014	0.0050	0.0050	0.0024	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	0.001	-	0.001	0.0011
Iron T-Fe	0.01	0.02	0.11	0.03	0.03	0.02	<0.03	<0.03	<0.03	<0.03	<0.03	0.02	-	0.03	0.03
Lead T-Pb	<0.00005	0.00006	0.00050	0.00050	0.00022	0.00022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	0.00005	<0.00005
Lithium T-Li	0.001	0.001	0.023	0.006	0.004	0.006	<0.015	<0.015	<0.015	<0.015	<0.01	0.002	-	0.001	<0.001
Magnesium T-Mg	0.43	0.60	4.70	0.68	0.84	1.08	0.442	0.456	0.464	0.67	0.78	0.516	-	0.516	0.545
Manganese T-Mn	0.00153	0.00250	0.04770	0.00328	0.00591	0.01162	<0.005	<0.005	<0.005	<0.005	<0.005	0.00226	-	0.00288	0.00272
Mercury T-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005				
Molybdenum T-Mo	0.00003	0.00003	0.00050	0.00050	0.00019	0.00023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	<0.00005	<0.00005
Nickel T-Ni	0.0003	0.0004	0.0012	0.0005	0.0005	0.0002	<0.001	<0.001	0.003	<0.001	<0.001	0.0003	-	0.0003	0.0003
Phosphorus T-P	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3

Station	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL95 001	CL95002	CL95003	CL-06	CL 96001	CL96	CL96 002	CL96-003	CL 96004
	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	06-1V	06-V1	06-V1	V1	06-V1	206	06-V1	06-V1	06-V1
					Mean	Deviation						V1			
Date							95 07 15	95 08 20	95 09 10	95 11 23	960419	960723	960715	960812	960914
Potassium T-K	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	-	<2	<2
Selenium T-Se	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	-	<0.001	<0.001
Silicon T-Si	0.22	0.30	2.35	0.41	0.47	0.53	0.217	0.275	0.222	0.331	0.37	0.24	-	0.24	0.33
Silver T-Ag	0.00001	0.00001	0.00005	0.00005	0.00002	0.00002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	-	<0.00001	<0.00001
Sodium T-Na	1	1	3	1	1	1	<2	<2	<2	<2	<2	<2	-	<2	<2
Strontium T-Sr	0.0051	0.0084	0.1380	0.0105	0.0171	0.0336	0.011	0.01	0.013	0.01	0.011	0.0059	-	0.006	0.0063
Thallium T-Tl	0.00003	0.00003	0.05000	0.05000	0.01668	0.02439	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	-	<0.00005	<0.00005
Tin T-Sn	0.0001	0.0001	0.1500	0.0150	0.0141	0.0382	<0.03	<0.03	<0.03	<0.3	<0.03	0.0001	-	0.0002	0.0002
Titanium T-Ti	0.005	0.005	0.005	0.005	0.005	0.000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Tungsten T-W	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1	<0.1					
Uranium T-U	0.00010	0.00022	0.00025	0.00025	0.00020	0.00005	<0.0005	<0.0005	<0.0005	0.00016	0.00014	0.0001			
Vanadium T-V	0.0001	0.0005	0.0150	0.0150	0.0052	0.0071	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	-	<0.0001	<0.0001
Zinc T-Zn	0.0005	0.0020	0.0120	0.0025	0.0023	0.0028	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	<0.001	<0.001
Dissolved Metals															
Aluminum D-Al	0.012	0.017	0.033	0.026	0.021	0.007	0.014	0.016	0.013	0.018	0.022	0.024	-	0.03	0.035
Antimony D-Sb	0.00003	0.00003	0.00005	0.00005	0.00004	0.00001	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	-	<0.00005	<0.00005
Arsenic D-As	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	0.00017	-	0.00023	0.00019
Barium D-Ba	0.00184	0.00260	0.03750	0.00500	0.00546	0.00897	<0.01	<0.01	<0.01	<0.01	<0.01	0.00203	-	0.00197	0.00237
Beryllium D-Be	0.0003	0.0003	0.0025	0.0025	0.0010	0.0011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	-	<0.0005	<0.0005
Bismuth D-Bi	0.0003	0.0003	0.0500	0.0500	0.0168	0.0243	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	-	<0.0005	<0.0005
Boron D-B	0.001	0.002	0.050	0.050	0.018	0.024	<0.1	<0.1	<0.1	<0.1	<0.1	0.002	-	0.004	0.004
Cadmium D-Cd	0.00003	0.00003	0.00010	0.00010	0.00005	0.00004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00005	-	0.00025	0.00011
Calcium D-Ca	0.97	1.15	17.30	1.44	2.28	4.16	0.993	0.991	0.947	1.52	1.84	1.02	-	1.11	1.19
Chromium D-Cr	0.0001	0.0003	0.0075	0.0063	0.0025	0.0034	<0.015	<0.015	<0.015	<0.015	<0.01	0.0001	-	0.0002	0.0002
Cobalt D-Co	0.00005	0.00005	0.00050	0.00050	0.00020	0.00022	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	-	<0.0001	<0.0001
Copper D-Cu	0.0009	0.0014	0.0050	0.0050	0.0024	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	0.0011	-	0.0011	0.0016
Iron D-Fe	0.01	0.02	0.04	0.02	0.01	0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	-	<0.01	<0.01
Lead D-Pb	0.00003	0.00014	0.00050	0.00050	0.00022	0.00021	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	-	0.00025	0.00027
Lithium D-Li	0.0005	0.0005	0.0075	0.0063	0.0028	0.0032	<0.015	<0.015	<0.015	<0.015	<0.01	0.001	-	0.003	0.002
Magnesium D-Mg	0.42	0.60	4.40	0.68	0.81	1.00	0.442	0.456	0.443	0.646	0.78	0.509	-	0.508	0.529
Manganese D-Mn	0.00046	0.00250	0.04590	0.00250	0.00479	0.01142	<0.005	<0.005	<0.005	<0.005	<0.005	0.00062	-	0.00064	0.00114
Mercury D-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005				
Molybdenum D-Mo	0.000025	0.000025	0.000500	0.000500	0.000183	0.000232	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	-	<0.00005	<0.00005
Nickel D-Ni	0.0003	0.0004	0.0013	0.0005	0.0004	0.0003	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	-	0.0003	0.0003
Phosphorus D-P	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3
Potassium D-K	1	1	1	1	1	0	<2	<2	<2	<2	<2	<2	-	<2	<2
Selenium D-Se	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	-	<0.001	<0.001
Silicon D-Si	0.20	0.28	2.23	0.39	0.44	0.50	0.213	0.234	0.205	0.321	0.37	0.23	-	0.24	0.32
Silver D-Ag	0.000005	0.000005	0.000050	0.000050	0.000020	0.000022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00001	-	<0.00001	<0.00001
Sodium D-Na	1	1	2	1	1	0.3	<2	<2	<2	<2	<2	<2	-	<2	<2
Strontium D-Sr	0.0051	0.0081	0.1330	0.0105	0.0165	0.0323	0.011	0.01	0.013	0.01	0.011	0.0059	-	0.006	0.0065
Thallium D-Tl	0.00003	0.00003	0.05000	0.05000	0.01669	0.02438	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00005	-	<0.00005	<0.00005
Tin D-Sn	0.00005	0.0001	0.15	0.015	0.014	0.038	<0.03	<0.03	<0.03	<0.3	<0.03	0.0001	-	0.0002	0.0002
Titanium D-Ti	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01
Tungsten D-W	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1	<0.1					
Uranium D-U	0.00003	0.00019	0.00025	0.00023	0.00018	0.00007	<0.0005	<0.0005	<0.00005	0.00016	0.00014	0.00009			
Vanadium D-V	0.0001	0.0005	0.0150	0.0150	0.0052	0.0071	<0.03	<0.03	<0.03	<0.03	<0.03	<0.0001	-	<0.0001	<0.0001
Zinc D-Zn	0.001	0.001	0.010	0.003	0.002	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	0.004	-	0.001	0.003

Station	CL-05	CL-05	CL-05	CL-05	CL-05	CL-05	CL95 001	CL95002	CL95003	CL-06	CL 96001	CL96	CL96 002	CL96-003	CL 96004
	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	06-1V	06-V1	06-V1	V1	06-V1	206	06-V1	06-V1	06-V1
					Mean	Deviation						V1			
Date							95 07 15	95 08 20	95 09 10	95 11 23	960419	960723	960715	960812	960914
Organic Parameters															
Chlorophyll	0.37	0.65	3.10	0.92	1.02	1.04	0.11	0.66	0.85	nd		0.5	-	1.01	0.48
Total Organic Carbon C	0.7	3.6	5.8	4.3	3.5	1.2	3.2	2.9	2.7	4.3	3.9	3.3	-	3.4	4.5
Polycyclic Aromatic Hydrocarbons															
Acenaphthene												-		-	
Acenaphthylene												-		-	
Acridine												-		-	
Anthracene												-		-	
Benzo(a)anthracene												-		-	
Benzo(a)pyrene												-		-	
Benzo(b)fluoranthene												-		-	
Benzo(g,h,i)perylene												-		-	
Benzo(k)fluoranthene												-		-	
Chrysene												-		-	
Dibenz(a,h)anthracene												-		-	
Fluoranthene												-		-	
Fluorene												-		-	
Indeno(1,2,3-c,d)pyrene												-		-	
Naphthalene												-		-	
Phenanthrene												-		-	
Pyrene												-		-	

Final Report - Jericho Water Quality			Jericho L													
			JD-01									CL-06				
Station	CL 96005	CL97002	CL98	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL95 001
	06-V1	06-V1	406						Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	07-V1
			V1											Mean	Deviation	
Date	961204	970708	980831	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11								95 07 17
Time	12:10	13:38	10:20													13:00
Physical Tests																
Total Dissolved Solids	12			<10	12	12	13	13	8	7	10	16	12	10	3	9
Conductivity (umhos/cm)	6.06	12	9	13	11	16	<15	15	6	5	8	12	10	8	3	
Hardness CaCO3	6.66	4.46	5.15	4.99	4.93	5.07	5.38	5.3	4.41	4.19	4.85	7.80	6.56	5.44	1.28	4.21
pH		6.16	6.29	6.29	6.72	6.95	6.88	6.85	6.29	6.16	6.41	6.76	6.65	6.47	0.22	6.36
Total Suspended Solids	1	<1	<1	<3	<3	<3	<3	<3	0.5	0.5	1	3	1.5	1.1	0.8	<1
Turbidity (NTU)		0.4	0.4						0.4	0.4	0.4	0.4	0.4	0.4	0	
Dissolved Anions																
Acidity CaCO3	2								1.8	1.3	2	4.8	2.4	2.3	1.1	1.3
Alkalinity-Total CaCO3	5	4	4	5	5	5	5	5	3.75	3.2	4	6.2	5.1	4.4	1.0	3.8
Alkalinity - Bicarbonate CaCO3	5						5	5	3.5	3.2	4.2	6.2	5.2	4.4	1.1	3.8
Alkalinity - Carbonate CaCO3	<1								0.5	0.5	0.5	0.5	0.5	0.5	0	<1
Chloride Cl	1.2	0.9	0.7	0.5	0.5	1	1.1	1.1	0.7	0.25	0.7	1.6	1.0	0.8	0.4	0.6
Fluoride F	0.03								0.02	0.01	0.03	0.05	0.03	0.03	0.01	0.03
Sulphate SO4	1	<1	1	1	1	2	1	2	0.5	0.5	0.5	1.6	1.2	0.9	0.5	<1
Nutrients																
Ammonia Nitrogen N	0.015			<0.005	<0.005	<0.005	<0.005	<0.005	0.003	0.003	0.013	0.033	0.017	0.013	0.011	0.01
Nitrate Nitrogen N	0.011	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.003	0.003	0.005	0.042	0.009	0.009	0.012	0.005
Nitrite Nitrogen N	<0.001			0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001
Dissolved ortho-Phosphate P	0.001								0.001	0.001	0.001	0.003	0.002	0.001	0.001	<0.001
Total Dissolved Phosphate P	0.002			0.003	0.002	<0.002	<0.002	<0.002	0.002	0.001	0.002	0.003	0.003	0.002	0.001	0.003
Total Phosphorus P	0.005			0.007	0.004	0.003	0.005	0.004	0.004	0.0005	0.004	0.005	0.005	0.004	0.001	0.004
Total Metals																
Aluminum T-Al	0.028	0.026	0.012	0.016	0.015	0.015	0.015	0.023	0.025	0.012	0.026	0.036	0.029	0.026	0.006	0.03
Antimony T-Sb	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00005	0.00005	0.00004	0.00001	<0.0001
Arsenic T-As	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001
Barium T-Ba	0.00268	0.00211	0.00153	0.00173	0.0017	0.00169	0.00166	0.00197	0.00206	0.00153	0.00268	0.00500	0.00500	0.00340	0.00155	<0.01
Beryllium T-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.0025	0.0025	0.0013	0.0012	<0.005
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1
Boron T-B	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.003	0.050	0.050	0.023	0.025	<0.1
Cadmium T-Cd	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00010	0.00010	0.00010	0.00007	0.00004	<0.0002
Calcium T-Ca	1.35	1.03	1.04	1.13	1.07	1.09	1.2	1.14	1.03	0.99	1.04	1.89	1.23	1.19	0.29	1.01
Chromium T-Cr	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	0.0001	0.0003	0.0075	0.0075	0.0033	0.0036	<0.015
Cobalt T-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0003	0.0005	0.0005	0.0003	0.0002	<0.001
Copper T-Cu	0.0011	0.0011	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0011	0.0008	0.0011	0.0050	0.0050	0.0028	0.0021	<0.01
Iron T-Fe	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	0.07	0.02	0.01	0.02	0.03	0.02	0.02	0.01	0.032
Lead T-Pb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00050	0.00050	0.00024	0.00025	<0.001
Lithium T-Li	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.008	0.008	0.004	0.003	<0.015
Magnesium T-Mg	0.64	0.46	0.5	0.6	0.6	0.6	0.6	0.6	0.46	0.44	0.52	0.78	0.59	0.54	0.11	0.447
Manganese T-Mn	0.00108	0.00406	0.00197	0.00406	0.00251	0.00245	0.005	0.00783	0.00238	0.00108	0.00250	0.00406	0.00261	0.00250	0.00071	<0.005
Mercury T-Hg		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005
Molybdenum T-Mo	<0.00005	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00050	0.00050	0.00024	0.00025	<0.001
Nickel T-Ni	0.0004	0.0004	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0004	0.0030	0.0005	0.0006	0.0008	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3

Station	CL 96005	CL97002	CL98	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL95 001
	06-V1	06-V1	406						Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	07-V1
			V1											Mean	Deviation	
Date	961204	970708	980831	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11								95 07 17
Potassium T-K	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Selenium T-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005
Silicon T-Si	0.46	0.33	0.24	0.35	0.21	0.21	0.21	0.21	0.24	0.22	0.28	0.46	0.33	0.30	0.08	0.176
Silver T-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00001	0.00005	0.00005	0.00003	0.00002	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Strontium T-Sr	0.008	0.0052	0.005	0.0052	0.0052	0.0052	0.005	0.0051	0.0060	0.0050	0.0080	0.0130	0.0105	0.0083	0.0028	0.011
Thallium T-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1
Tin T-Sn	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0002	0.1500	0.0150	0.0192	0.0440	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01
Tungsten T-W																<0.1
Uranium T-U	0.00017		0.0001			0.00016	0.00015	0.00015	0.00013	0.00010	0.00017	0.00025	0.00025	0.00018	0.00006	<0.0005
Vanadium T-V	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03
Zinc T-Zn	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0025	0.0030	0.0025	0.0016	0.0011	<0.005
Dissolved Metals																
Aluminum D-Al	0.021	0.017	0.005	0.011	0.012	0.011	0.01	0.006	0.015	0.005	0.018	0.035	0.023	0.020	0.008	0.014
Antimony D-Sb	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00005	0.00003	0.00001	<0.00005
Arsenic D-As	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0001	0.0001	<0.0001
Barium D-Ba	0.00267	0.00195	0.00123	0.00171	0.00171	0.00169	0.00167	0.00148	0.00200	0.00123	0.00267	0.00500	0.00500	0.00338	0.00159	<0.01
Beryllium D-Be	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0025	0.0025	0.0013	0.0012	<0.005
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0003	0.0500	0.0500	0.0229	0.0260	<0.1
Boron D-B	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.004	0.050	0.050	0.024	0.025	<0.1
Cadmium D-Cd	0.00005	0.00005	0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00007	0.00005	0.00010	0.00025	0.00010	0.00010	0.00005	<0.0002
Calcium D-Ca	1.38	1.03	1.09	1.11	1.08	1.1	1.19	1.12	1.01	0.95	1.09	1.84	1.29	1.19	0.28	0.977
Chromium D-Cr	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	0.0001	0.0003	0.0075	0.0075	0.0033	0.0036	<0.015
Cobalt D-Co	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00010	0.00050	0.00050	0.00026	0.00023	<0.001
Copper D-Cu	0.0012	0.001	0.0015	0.0009	0.0009	0.0009	0.0009	0.0008	0.0012	0.0010	0.0016	0.0050	0.0050	0.0030	0.0020	<0.01
Iron D-Fe	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.01	0.01	0.02	0.02	0.02	0.01	0.01	<0.03
Lead D-Pb	<0.00005	<0.00005	0.00019	0.00015	<0.00005	<0.00005	<0.00005	<0.00005	0.00015	0.00003	0.00027	0.00050	0.00050	0.00031	0.00020	<0.001
Lithium D-Li	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0008	0.0005	0.0030	0.0075	0.0075	0.0039	0.0032	<0.015
Magnesium D-Mg	0.64	0.46	0.6	0.5	0.5	0.6	0.6	0.6	0.46	0.44	0.51	0.78	0.62	0.55	0.11	0.431
Manganese D-Mn	0.0005	0.0011	0.00064	0.00173	0.00094	0.00078	0.00216	0.00044	0.00064	0.00050	0.00114	0.00250	0.00250	0.00156	0.00092	<0.005
Mercury D-Hg		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0	0	0	0	0	0	0	<0.00005
Molybdenum D-Mo	<0.00005	0.00009	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000090	0.000500	0.000500	0.000247	0.000243	<0.001
Nickel D-Ni	0.0004	0.0004	0.0007	0.0003	0.0003	0.0002	0.0003	0.0002	0.0004	0.0003	0.0005	0.0007	0.0005	0.0004	0.0001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3
Potassium D-K	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Selenium D-Se	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.0005
Silicon D-Si	0.49	0.32	0.29	0.25	0.21	0.21	0.2	0.2	0.23	0.21	0.29	0.49	0.32	0.29	0.08	0.164
Silver D-Ag	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000050	0.000050	0.000025	0.000024	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2
Strontium D-Sr	0.008	0.0052	0.0042	0.0051	0.0053	0.0052	0.005	0.005	0.0060	0.0042	0.0080	0.0130	0.0105	0.0083	0.0029	0.011
Thallium D-Tl	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.05000	0.05000	0.02274	0.02610	<0.1
Tin D-Sn	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00008	0.00005	0.00020	0.15000	0.01500	0.01915	0.04401	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01
Tungsten D-W									0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1
Uranium D-U	0.00018		0.00008			0.00014	0.00013	0.00011	0.00009	0.00003	0.00015	0.00025	0.00020	0.00015	0.00008	<0.0005
Vanadium D-V	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	0.0001	0.0005	0.0150	0.0150	0.0070	0.0077	<0.03
Zinc D-Zn	0.001	0.001	0.004	0.001	0.002	<0.001	<0.001	<0.001	0.002	0.001	0.003	0.004	0.003	0.002	0.001	<0.005

Station	CL 96005	CL97002	CL98	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL-06	CL95 001
	06-V1	06-V1	406						Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	07-V1
			V1											Mean	Deviation	
Date	961204	970708	980831	99 07 05	99 08 02	99 09 01	00 07 29	00 09 11								95 07 17
Organic Parameters																
Chlorophyll									0.49	0.11	0.58	1.01	0.80	0.60	0.32	0.06
Total Organic Carbon C	4.2			3.6	4.2	3.2	4.8	3.5	3.2	2.7	3.4	4.5	4.2	3.6	0.6	3.3
Polycyclic Aromatic Hydrocarbons																
Acenaphthene	-															
Acenaphthylene	-															
Acridine	-															
Anthracene	-															
Benzo(a)anthracene	-															
Benzo(a)pyrene	-															
Benzo(b)fluoranthene	-															
Benzo(g,h,i)perylene	-															
Benzo(k)fluoranthene	-															
Chrysene	-															
Dibenz(a,h)anthracene	-															
Fluoranthene	-															
Fluorene	-															
Indeno(1,2,3-c,d)pyrene	-															
Naphthalene	-															
Phenanthrene	-															
Pyrene	-															

Final Report - Jericho Water Quality															
									CL-07						
Station	CL95002	CL95003	CL96-002	CL96003	CL 96004	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL95 001	CL95002	CL95003
	07-V1	07-V1	07-V1	07-V1	07-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	08-V1	08-V1	08-V1
Date	95 08 22	95 09 10	960715	960813	960914								95 07 17	95 08 22	95 09 13
Time	17:08	16:55	16:45	10:00									14:20	16:02	10:03
Physical Tests															
Total Dissolved Solids	8	11	8	12	9	8	8	9	12	11	10	2	9	15	11
Conductivity (umhos/cm)					5.59	5.59	5.59	5.59	5.59	5.59	5.59	0			
Hardness CaCO3	4.51	4.78	4.9	5.65	6.86	4.58	4.21	4.84	6.86	5.46	5.15	0.97	5.26	5.55	5.84
pH	5.68	6.84	6.43	6.94		6.36	5.68	6.43	6.94	6.84	6.45	0.50	6.51	6.89	6.75
Total Suspended Solids	<1	3	<1	<1	1	0.5	0.5	0.5	3	0.9	1.0	1.0	3	<1	1
Turbidity (NTU)															
Dissolved Anions															
Acidity CaCO3	2.4	4.1	2.9	1.9	2	1.9	1.3	2.2	4.1	2.8	2.4	1.0	1.4	2.2	1.9
Alkalinity-Total CaCO3	4.1	4.2	3.8	2.1	3.8	3.8	2.1	3.8	4.2	4.0	3.6	0.8	4.4	5.1	5.6
Alkalinity - Bicarbonate CaCO3	4.1	4.2	3.8	2.1	3.8	3.8	2.1	3.8	4.2	4.0	3.6	0.8	4.4	5.1	5.6
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1
Chloride Cl	<0.5	<0.5	<0.5	0.6	0.7	0.3	0.3	0.4	0.7	0.6	0.4	0.2	<0.5	<0.5	<0.5
Fluoride F	0.02	0.02	0.02	<0.02	0.03	0.02	0.01	0.02	0.03	0.03	0.02	0.01	0.03	0.02	0.02
Sulphate SO4	<1	2.2	<1	<1	<1	0.5	0.5	0.5	2.2	0.5	0.8	0.7	<1	<1	1.6
Nutrients															
Ammonia Nitrogen N	0.012	<0.005	<0.005	0.014	<0.005	0.003	0.003	0.006	0.014	0.012	0.007	0.005	0.011	<0.005	<0.005
Nitrate Nitrogen N	0.01	0.006	<0.005	<0.005	0.007	0.003	0.003	0.006	0.010	0.007	0.006	0.003	0.012	0.008	0.007
Nitrite Nitrogen N	0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	<0.001	0.001
Dissolved ortho-Phosphate P	<0.001	<0.001	0.002	<0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	<0.001	0.002	<0.001
Total Dissolved Phosphate P	0.002	0.003	0.003	0.002	0.005	0.002	0.002	0.003	0.005	0.003	0.003	0.001	0.002	0.002	0.002
Total Phosphorus P	0.004	0.005	0.003	0.004	0.005	0.004	0.003	0.004	0.005	0.005	0.004	0.001	0.004	0.003	0.003
Total Metals															
Aluminum T-Al	0.038	0.037	0.044	0.036	0.047	0.036	0.030	0.038	0.047	0.043	0.039	0.006	0.019	0.035	0.03
Antimony T-Sb	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.0001	<0.0001	0.00022	0.00022	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.0001
Barium T-Ba	<0.01	<0.01	0.00272	0.00279	0.00243	0.00274	0.00243	0.00390	0.00500	0.00500	0.00382	0.00129	<0.01	<0.01	<0.01
Beryllium T-Be	<0.005	<0.005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.001375	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.1	<0.1	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0272	<0.1	<0.1	<0.1
Boron T-B	<0.1	<0.1	<0.001	0.003	0.003	0.003	0.001	0.027	0.050	0.050	0.026	0.026	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.0002	<0.0002	0.00008	<0.00005	<0.00005	0.00004	0.00003	0.00009	0.00010	0.00010	0.00007	0.00004	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.05	1.12	1.12	1.34	1.28	1.07	1.01	1.12	1.34	1.24	1.15	0.13	1.22	1.31	1.34
Chromium T-Cr	<0.015	<0.015	0.0002	0.0002	0.0001	0.0002	0.0001	0.0039	0.0075	0.0075	0.0038	0.0040	<0.015	<0.015	<0.015
Cobalt T-Co	<0.001	<0.001	<0.0001	0.0001	<0.0001	0.0001	0.0001	0.0003	0.0005	0.0005	0.0003	0.0002	<0.001	<0.001	<0.001
Copper T-Cu	<0.01	<0.01	0.0012	0.0021	0.0011	0.0014	0.0011	0.0036	0.0050	0.0050	0.0032	0.0020	<0.01	<0.01	<0.01
Iron T-Fe	0.049	0.051	0.07	0.13	0.06	0.05	0.03	0.06	0.13	0.07	0.07	0.03	<0.03	<0.03	<0.03
Lead T-Pb	<0.001	<0.001	<0.00005	0.00008	<0.00005	0.00004	0.00003	0.00029	0.00050	0.00050	0.00027	0.00025	<0.001	<0.001	<0.001
Lithium T-Li	<0.015	<0.015	<0.001	0.002	0.002	0.002	0.001	0.005	0.008	0.008	0.005	0.003	<0.015	<0.015	<0.015
Magnesium T-Mg	0.472	0.496	0.482	0.555	0.602	0.47	0.45	0.49	0.60	0.54	0.51	0.06	0.573	0.616	0.619
Manganese T-Mn	<0.005	<0.005	0.00244	0.00275	0.00321	0.00250	0.00244	0.00250	0.00321	0.00269	0.00265	0.00030	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005	<0.00005				0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00026	0.00050	0.00050	0.00026	0.00026	<0.001	<0.001	<0.001
Nickel T-Ni	0.002	<0.001	0.0004	0.0004	0.0003	0.0004	0.0003	0.0005	0.0020	0.0005	0.0007	0.0006	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3

Station	CL95002	CL95003	CL96-002	CL96003	CL 96004	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL95 001	CL95002	CL95003
	07-V1	07-V1	07-V1	07-V1	07-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	08-V1	08-V1	08-V1
Date	95 08 22	95 09 10	960715	960813	960914								95 07 17	95 08 22	95 09 13
Potassium T-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium T-Se	<0.0005	<0.0005	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.295	0.492	0.45	0.34	0.52	0.31	0.18	0.40	0.52	0.48	0.38	0.13	0.122	0.143	0.186
Silver T-Ag	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00003	0.00005	0.00005	0.00003	0.00002	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium T-Sr	0.01	0.011	0.0091	0.0069	0.0067	0.0075	0.0067	0.0096	0.0110	0.0108	0.0091	0.0019	0.008	0.009	0.01
Thallium T-Tl	<0.1	<0.1	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02737	<0.1	<0.1	<0.1
Tin T-Sn	<0.03	<0.03	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0075	0.0150	0.0150	0.0075	0.0082	<0.03	<0.03	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten T-W	<0.1	<0.1				0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium T-U	<0.0005	<0.0005				0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005
Vanadium T-V	<0.03	<0.03	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0075	0.0150	0.0150	0.0075	0.0082	<0.03	<0.03	<0.03
Zinc T-Zn	<0.005	<0.005	<0.001	0.001	0.001	0.0010	0.0005	0.0018	0.0025	0.0025	0.0017	0.0009	<0.005	<0.005	<0.005
Dissolved Metals															
Aluminum D-Al	0.01	0.021	0.048	0.021	0.038	0.016	0.010	0.021	0.048	0.034	0.025	0.015	0.006	<0.005	0.007
Antimony D-Sb	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00005	0.00004	0.00003	0.00001	<0.0001	<0.0001	<0.0001
Arsenic D-As	<0.0001	<0.0001	0.00022	0.00025	0.00019	0.0001	0.0001	0.0001	0.0003	0.0002	0.0001	0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	<0.01	<0.01	0.00354	0.00264	0.00238	0.00287	0.00238	0.00427	0.00500	0.00500	0.00393	0.00124	<0.01	<0.01	<0.01
Beryllium D-Be	<0.005	<0.005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0014	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.1	<0.1	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0272	<0.1	<0.1	<0.1
Boron D-B	<0.1	<0.1	0.003	0.002	0.004	0.003	0.002	0.027	0.050	0.050	0.027	0.026	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.0002	<0.0002	0.00033	<0.00005	<0.00005	0.00004	0.00003	0.00010	0.00033	0.00010	0.00011	0.00011	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.03	1.1	1.13	1.3	1.29	1.05	0.98	1.12	1.30	1.25	1.14	0.13	1.16	1.25	1.31
Chromium D-Cr	<0.015	<0.015	0.0002	0.0002	<0.0001	0.0002	0.0001	0.0039	0.0075	0.0075	0.0038	0.0040	<0.015	<0.015	<0.015
Cobalt D-Co	<0.001	<0.001	<0.0001	<0.0001	0.0001	0.00006	0.00005	0.00030	0.00050	0.00050	0.00028	0.00024	<0.001	<0.001	<0.001
Copper D-Cu	<0.01	<0.01	0.0012	0.0013	0.001	0.0012	0.0010	0.0032	0.0050	0.0050	0.0031	0.0021	<0.01	<0.01	<0.01
Iron D-Fe	<0.03	<0.03	0.05	0.08	0.03	0.02	0.02	0.02	0.08	0.05	0.03	0.03	<0.03	<0.03	<0.03
Lead D-Pb	<0.001	<0.001	0.00006	<0.00005	0.00028	0.00012	0.00003	0.00039	0.00050	0.00050	0.00031	0.00022	<0.001	<0.001	<0.001
Lithium D-Li	<0.015	<0.015	<0.001	0.001	0.002	0.0013	0.0005	0.0048	0.0075	0.0075	0.0043	0.0035	<0.015	<0.015	<0.015
Magnesium D-Mg	0.472	0.496	0.501	0.582	0.579	0.48	0.43	0.50	0.58	0.56	0.51	0.06	0.573	0.588	0.619
Manganese D-Mn	<0.005	<0.005	0.00179	0.00186	0.00188	0.00187	0.00179	0.00219	0.00250	0.00250	0.00217	0.00036	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005	<0.00005				0	0	0	0	0	0	0	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	<0.001	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000263	0.000500	0.000500	0.000263	0.000260	<0.001	<0.001	<0.001
Nickel D-Ni	<0.001	<0.001	0.0014	0.0004	0.0003	0.0004	0.0003	0.0005	0.0014	0.0005	0.0006	0.0004	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium D-Se	<0.0005	<0.0005	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.244	0.479	0.45	0.32	0.5	0.26	0.16	0.39	0.50	0.47	0.36	0.14	0.122	0.14	0.164
Silver D-Ag	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000028	0.000050	0.000050	0.000028	0.000025	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium D-Sr	0.01	0.011	0.0091	0.0066	0.0064	0.0072	0.0064	0.0096	0.0110	0.0108	0.0090	0.0021	0.008	0.009	0.01
Thallium D-Tl	<0.1	<0.1	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02737	<0.1	<0.1	<0.1
Tin D-Sn	<0.03	<0.03	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00753	0.01500	0.01500	0.00753	0.00819	<0.03	<0.03	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten D-W	<0.1	<0.1				0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium D-U	<0.0005	<0.00005				0.00014	0.00003	0.00025	0.00025	0.00025	0.00018	0.00013	<0.0005	<0.0005	<0.00005
Vanadium D-V	<0.03	<0.03	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0075	0.0150	0.0150	0.0075	0.0082	<0.03	<0.03	<0.03
Zinc D-Zn	<0.005	<0.005	0.002	0.001	0.001	0.001	0.001	0.002	0.003	0.003	0.002	0.001	<0.005	<0.005	<0.005

Station	CL95002	CL95003	CL96-002	CL96003	CL 96004	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL-07	CL95 001	CL95002	CL95003
	07-V1	07-V1	07-V1	07-V1	07-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	08-V1	08-V1	08-V1
Date	95 08 22	95 09 10	960715	960813	960914								95 07 17	95 08 22	95 09 13
Organic Parameters															
Chlorophyll	0.53	0.52	0.17	0.55	0.28	0.20	0.06	0.40	0.55	0.53	0.35	0.21	0.06	0.5	0.33
Total Organic Carbon C	3	2.9	5	8.2	3.8	3.1	2.9	3.6	8.2	4.7	4.4	2.0	2.8	5.8	2.6
Polycyclic Aromatic Hydrocarbons															
Acenaphthene				-											
Acenaphthylene				-											
Acridine				-											
Anthracene				-											
Benzo(a)anthracene				-											
Benzo(a)pyrene				-											
Benzo(b)fluoranthene				-											
Benzo(g,h,i)perylene				-											
Benzo(k)fluoranthene				-											
Chrysene				-											
Dibenz(a,h)anthracene				-											
Fluoranthene				-											
Fluorene				-											
Indeno(1,2,3-c,d)pyrene				-											
Naphthalene				-											
Phenanthrene				-											
Pyrene				-											

Final Report - Jericho Water Quality															
									CL-08						
Station	CL-08	CL96 002	CL96-003	CL 96004	CL 96005	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL95 001	CL95002	CL95003
	V1	08-V1	08-V1	08-V1	08-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	09-V1	09-V1	09-V1
Date	95 11 24	960715	960812	960914	961205								95 07 18	95 08 22	95 09 12
Time	15:25	15:28	16:25	15:36	14:10								10:20	13:10	18:20
Physical Tests															
Total Dissolved Solids	16	8	8	11	21	8.75	8	11	12	15	12	5	10	10	10
Conductivity (umhos/cm)				6.35	14.9	8.5	5.6	10.6	5.6	12.8	10.6	6.0			
Hardness CaCO3	7.08	5.59	6.14	6.96	6.5	5.6	4.2	6.0	6.9	6.6	6.1	0.7	5.51	5.88	4.13
pH	6.59	6.67	7.02			6.61	5.68	6.71	6.94	6.86	6.74	0.19	6.54	6.86	6.78
Total Suspended Solids	2	<1	8	1	26	1	1	2	3	4	5	9	4	1	1
Turbidity (NTU)															
Dissolved Anions															
Acidity CaCO3	4.9	1.6	1.7	2	8	2	1	2	4	3	3	2	2.1	2.6	1.7
Alkalinity-Total CaCO3	5.9	5.3	5.1	5.8	12	5.1	2.1	5.5	4.2	5.8	6.2	2.4	4.8	5.5	4.4
Alkalinity - Bicarbonate CaCO3	5.9	5.3	5.1	5.8	12	5.1	2.1	5.5	4.2	5.8	6.2	2.4	4.8	5.5	4.4
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1
Chloride Cl	0.7	<0.5	<0.5	<0.5	0.6	0.25	0.25	0.25	0.70	0.34	0.35	0.19	0.6	<0.5	<0.5
Fluoride F	0.03	0.03	0.04	0.04	0.04	0.03	0.01	0.03	0.03	0.04	0.03	0.01	0.03	0.02	0.02
Sulphate SO4	3.3	<1	<1	1.1	2	0.5	0.5	0.8	2.2	1.7	1.3	1.0	<1	<1	2
Nutrients															
Ammonia Nitrogen N	0.008	<0.005	0.017	<0.005	0.023	0.003	0.003	0.005	0.014	0.013	0.009	0.008	0.011	0.007	<0.005
Nitrate Nitrogen N	0.019	<0.005	0.009	<0.005	0.08	0.006	0.003	0.009	0.010	0.014	0.018	0.026	<0.005	<0.005	0.008
Nitrite Nitrogen N	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.002
Dissolved ortho-Phosphate P	<0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	<0.001	0.002	0.001
Total Dissolved Phosphate P	<0.001	0.004	0.002	0.001	0.007	0.002	0.002	0.002	0.005	0.003	0.003	0.002	0.003	0.002	0.002
Total Phosphorus P	<0.001	0.004	0.005	0.002	0.023	0.003	0.003	0.004	0.005	0.004	0.006	0.007	0.006	0.005	0.005
Total Metals															
Aluminum T-Al	0.011	0.015	0.017	0.015	0.175	0.015	0.030	0.018	0.047	0.031	0.040	0.055	0.026	0.016	0.025
Antimony T-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.0001	0.00013	0.0001	0.00012	0.0002	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001
Barium T-Ba	<0.01	0.00169	0.00177	0.00176	0.0113	0.00177	0.00243	0.00500	0.00500	0.00500	0.00457	0.00316	<0.01	<0.01	<0.01
Beryllium T-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.001375	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	<0.1	<0.1	<0.1
Boron T-B	<0.1	<0.001	0.002	<0.001	0.002	0.002	0.001	0.026	0.050	0.050	0.026	0.026	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.0002	<0.00005	0.00018	<0.00005	<0.00005	0.00003	0.00003	0.00010	0.00010	0.00010	0.00008	0.00005	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.62	1.2	1.37	1.31	3.32	1.29	1.01	1.33	1.34	1.43	1.59	0.71	1.28	1.36	0.954
Chromium T-Cr	<0.015	<0.0001	0.0002	<0.0001	0.0007	0.0002	0.0001	0.0041	0.0075	0.0075	0.0039	0.0039	<0.015	<0.015	<0.015
Cobalt T-Co	<0.001	<0.0001	<0.0001	<0.0001	0.0003	0.0001	0.0001	0.0004	0.0005	0.0005	0.0003	0.0002	<0.001	<0.001	<0.001
Copper T-Cu	<0.01	0.001	0.0011	0.0011	0.002	0.0011	0.0011	0.0035	0.0050	0.0050	0.0032	0.0020	<0.01	<0.01	<0.01
Iron T-Fe	<0.03	0.02	0.03	0.02	0.38	0.02	0.03	0.02	0.13	0.02	0.06	0.13	<0.03	0.038	<0.03
Lead T-Pb	<0.001	<0.00005	0.00009	<0.00005	0.00015	0.00007	0.00003	0.00033	0.00050	0.00050	0.00029	0.00023	<0.001	<0.001	<0.001
Lithium T-Li	<0.015	<0.001	0.001	<0.001	0.001	0.001	0.001	0.004	0.008	0.008	0.004	0.004	<0.015	<0.015	<0.015
Magnesium T-Mg	0.8	0.574	0.699	0.713	1.5	0.61	0.45	0.66	0.60	0.73	0.76	0.31	0.595	0.633	0.455
Manganese T-Mn	<0.005	0.00087	0.00157	0.00179	0.0419	0.00174	0.00244	0.00250	0.00321	0.00250	0.00702	0.01411	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005					0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00026	0.00050	0.00050	0.00026	0.00025	<0.001	<0.001	<0.001
Nickel T-Ni	<0.001	0.0003	0.0003	0.0003	0.0009	0.0003	0.0003	0.0005	0.0020	0.0005	0.0005	0.0002	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3

Station	CL-08	CL96 002	CL96-003	CL 96004	CL 96005	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL95 001	CL95002	CL95003
	V1	08-V1	08-V1	08-V1	08-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	09-V1	09-V1	09-V1
Date	95 11 24	960715	960812	960914	961205								95 07 18	95 08 22	95 09 12
Potassium T-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium T-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.193	0.2	0.2	0.25	0.74	0.18	0.18	0.20	0.52	0.21	0.25	0.20	0.087	0.141	0.091
Silver T-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00003	0.00005	0.00005	0.00003	0.00002	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium T-Sr	<0.001	0.0038	0.004	0.004	0.0106	0.0040	0.0067	0.0060	0.0110	0.0093	0.0062	0.0036	0.009	0.01	0.01
Thallium T-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	<0.1	<0.1	<0.1
Tin T-Sn	<0.3	0.0003	0.0002	<0.0001	0.0001	0.0002	0.0001	0.0077	0.0150	0.0150	0.0245	0.0513	<0.03	<0.03	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten T-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium T-U	0.00007				0.00013	0.00013	0.00025	0.00025	0.00025	0.00025	0.00019	0.00008	<0.0005	<0.0005	<0.0005
Vanadium T-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	<0.03	<0.03	<0.03
Zinc T-Zn	<0.005	<0.001	0.002	0.001	0.003	0.0018	0.0005	0.0025	0.0025	0.0025	0.0021	0.0009	<0.005	<0.005	<0.005
Dissolved Metals															
Aluminum D-Al	0.009	0.013	0.011	0.028	0.097	0.007	0.010	0.010	0.048	0.017	0.022	0.031	0.007	0.008	0.025
Antimony D-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001
Arsenic D-As	<0.0001	0.00013	0.00013	0.00012	0.0002	0.0001	0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001
Barium D-Ba	<0.01	0.0017	0.00159	0.00182	0.00877	0.00179	0.00238	0.00500	0.00500	0.00500	0.00424	0.00245	<0.01	<0.01	<0.01
Beryllium D-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0014	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	<0.1	<0.1	<0.1
Boron D-B	<0.1	<0.001	0.002	0.004	0.012	0.004	0.002	0.031	0.050	0.050	0.027	0.024	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.0002	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00006	0.00033	0.00010	0.00006	0.00004	<0.0002	<0.0002	<0.0002
Calcium D-Ca	1.58	1.27	1.31	1.4	3.51	1.27	0.98	1.31	1.30	1.45	1.60	0.78	1.23	1.34	0.909
Chromium D-Cr	<0.015	<0.0001	0.0001	<0.0001	<0.0005	0.0001	0.0001	0.0039	0.0075	0.0075	0.0038	0.0039	<0.015	<0.015	<0.015
Cobalt D-Co	<0.001	<0.0001	<0.0001	<0.0001	0.0001	0.00005	0.00005	0.00030	0.00050	0.00050	0.00028	0.00023	<0.001	<0.001	<0.001
Copper D-Cu	<0.01	0.0009	0.0009	0.0012	0.0018	0.0011	0.0010	0.0034	0.0050	0.0050	0.0031	0.0021	<0.01	<0.01	<0.01
Iron D-Fe	<0.03	0.02	0.01	<0.01	0.07	0.01	0.02	0.02	0.08	0.02	0.02	0.02	<0.03	<0.03	<0.03
Lead D-Pb	<0.001	<0.00005	0.00005	<0.00005	0.00008	0.00004	0.00003	0.00029	0.00050	0.00050	0.00027	0.00024	<0.001	<0.001	<0.001
Lithium D-Li	<0.015	<0.001	0.001	0.002	0.009	0.0018	0.0005	0.0075	0.0075	0.0075	0.0053	0.0035	<0.015	<0.015	<0.015
Magnesium D-Mg	0.76	0.586	0.696	0.692	1.5	0.59	0.43	0.66	0.58	0.71	0.75	0.31	0.591	0.619	0.452
Manganese D-Mn	<0.005	0.00069	0.00103	0.00068	0.0108	0.00095	0.00179	0.00250	0.00250	0.00250	0.00290	0.00330	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005					0	0	0	0	0	0	0	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000263	0.000500	0.000500	0.000263	0.000254	<0.001	<0.001	<0.001
Nickel D-Ni	<0.001	0.0003	0.0002	0.0002	0.0007	0.0003	0.0003	0.0005	0.0014	0.0005	0.0004	0.0002	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium D-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.189	0.2	0.18	0.25	0.67	0.16	0.16	0.18	0.50	0.21	0.24	0.18	0.086	0.141	0.079
Silver D-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000028	0.000050	0.000050	0.000028	0.000024	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium D-Sr	<0.001	0.0038	0.004	0.0042	0.0109	0.0040	0.0064	0.0061	0.0110	0.0093	0.0063	0.0037	0.008	0.009	0.01
Thallium D-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	<0.1	<0.1	<0.1
Tin D-Sn	<0.3	0.0003	0.0003	<0.0001	0.0002	0.0003	0.0001	0.0077	0.0150	0.0150	0.0245	0.0512	<0.03	<0.03	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten D-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium D-U	0.00006				0.00008	0.00006	0.00003	0.00008	0.00025	0.00025	0.00013	0.00011	<0.0005	<0.0005	<0.00005
Vanadium D-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	<0.03	<0.03	<0.03
Zinc D-Zn	<0.005	0.001	0.001	0.001	0.002	0.001	0.001	0.002	0.003	0.003	0.002	0.001	<0.005	<0.005	<0.005

Station	CL-08	CL96 002	CL96-003	CL 96004	CL 96005	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL-08	CL95 001	CL95002	CL95003
	V1	08-V1	08-V1	08-V1	08-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	09-V1	09-V1	09-V1
Date	95 11 24	960715	960812	960914	961205								95 07 18	95 08 22	95 09 12
Organic Parameters															
Chlorophyll	nd	0.05	0.11	0.32		0.07	0.06	0.22	0.55	0.33	0.23	0.18	0.19	0.64	0.29
Total Organic Carbon C	3	3.3	3.5	4	5.7	3.0	2.9	3.4	8.2	4.4	3.8	1.3	3.1	2.7	1.8
Polycyclic Aromatic Hydrocarbons															
Acenaphthene			-		-										
Acenaphthylene			-		-										
Acridine			-		-										
Anthracene			-		-										
Benzo(a)anthracene			-		-										
Benzo(a)pyrene			-		-										
Benzo(b)fluoranthene			-		-										
Benzo(g,h,i)perylene			-		-										
Benzo(k)fluoranthene			-		-										
Chrysene			-		-										
Dibenz(a,h)anthracene			-		-										
Fluoranthene			-		-										
Fluorene			-		-										
Indeno(1,2,3-c,d)pyrene			-		-										
Naphthalene			-		-										
Phenanthrene			-		-										
Pyrene			-		-										

Final Report - Jericho Water Quality															
									CL-09						
Station	CL-09	CL96 002	CL96003	CL 96004	CL 96005	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL95 001	CL95002	CL95003
	V1	09-V1	09-V1	09-V1	09-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	10-V1	10-V1	10-V1
Date	95 11 25	960716	960813	960914	961205								95 07 18	95 08 22	95 09 12
Time	10:00	11:55	11:26	14:50	14:00								11:20	11:36	17:32
Physical Tests															
Total Dissolved Solids	19	11	11	11	11	10	8	11	19	11	12	3	7	6	10
Conductivity (umhos/cm)				7.34	6.79	6.93	5.59	7.07	7.34	7.20	7.07	0.39			
Hardness CaCO3	8.98	6.59	7.23	6.97	6.62	5.79	4.21	6.61	8.98	7.04	6.49	1.41	3.44	3.54	3.31
pH	6.48	6.6	7.04			6.56	5.68	6.69	7.04	6.84	6.72	0.21	6.56	6.71	6.8
Total Suspended Solids	<1	7	1	<1	2	1	1	1	7	3	2	2	1	3	1
Turbidity (NTU)															
Dissolved Anions															
Acidity CaCO3	4.3	2	2.3	2	3	2	1	2	4	3	3	1	1.1	2.2	2.5
Alkalinity-Total CaCO3	7.4	4.7	6.6	5.7	6	4.8	2.1	5.6	7.4	6.2	5.6	1.0	3.2	3.3	3.4
Alkalinity - Bicarbonate CaCO3	7.4	4.7	6.6	5.7	6	4.8	2.1	5.6	7.4	6.2	5.6	1.0	3.2	3.3	3.4
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1
Chloride Cl	0.9	<0.5	<0.5	<0.5	1.2	0.3	0.3	0.3	1.2	0.7	0.5	0.4	<0.5	<0.5	0.5
Fluoride F	0.03	0.02	0.02	0.04	0.04	0.02	0.01	0.025	0.04	0.03	0.03	0.01	0.03	<0.02	0.02
Sulphate SO4	4.3	<1	<1	<1	<1	0.5	0.5	0.5	4.3	0.9	1.2	1.4	<1	<1	2.3
Nutrients															
Ammonia Nitrogen N	0.009	0.005	0.016	<0.005	0.006	0.004	0.003	0.007	0.016	0.010	0.007	0.005	0.011	<0.005	<0.005
Nitrate Nitrogen N	0.029	0.022	<0.005	0.005	0.022	0.003	0.003	0.007	0.029	0.022	0.012	0.011	0.028	0.023	0.026
Nitrite Nitrogen N	0.001	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.000	0.001	0.001	0.001
Dissolved ortho-Phosphate P	<0.001	0.001	0.001	0.004	0.002	0.001	0.001	0.001	0.004	0.002	0.002	0.001	<0.001	0.001	<0.001
Total Dissolved Phosphate P	<0.001	0.004	0.002	0.007	0.003	0.002	0.002	0.003	0.007	0.003	0.003	0.002	0.002	0.001	0.001
Total Phosphorus P	<0.001	0.007	0.005	0.007	0.003	0.0045	0.003	0.005	0.007	0.00625	0.00481	0.00217	0.003	0.003	0.002
Total Metals															
Aluminum T-Al	0.01	0.04	0.024	0.029	0.014	0.016	0.030	0.025	0.040	0.027	0.023	0.010	0.017	0.015	0.019
Antimony T-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001
Arsenic T-As	<0.0001	0.00018	0.00018	0.00016	<0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0002	0.0001	0.0001
Barium T-Ba	<0.01	0.00238	0.00239	0.00212	0.00245	0.00239	0.00243	0.00373	0.00500	0.00500	0.00367	0.00143	<0.01	<0.01	<0.01
Beryllium T-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.001375	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth T-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	<0.1	<0.1	<0.1
Boron T-B	<0.1	<0.001	0.001	<0.001	0.001	0.001	0.001	0.026	0.050	0.050	0.025	0.026	<0.1	<0.1	<0.1
Cadmium T-Cd	<0.0002	0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00008	0.00010	0.00010	0.00007	0.00004	<0.0002	<0.0002	<0.0002
Calcium T-Ca	1.87	1.42	1.59	1.52	1.51	1.34	1.01	1.47	1.87	1.54	1.44	0.26	0.77	0.828	0.788
Chromium T-Cr	<0.015	0.0003	0.0002	0.0001	<0.0005	0.0002	0.0001	0.0039	0.0075	0.0075	0.0039	0.0039	<0.015	<0.015	<0.015
Cobalt T-Co	<0.001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0003	0.0005	0.0005	0.0003	0.0002	<0.001	<0.001	<0.001
Copper T-Cu	<0.01	0.0014	0.0012	0.0021	0.0012	0.0014	0.0011	0.0036	0.0050	0.0050	0.0032	0.0019	<0.01	<0.01	<0.01
Iron T-Fe	<0.03	0.07	0.08	0.05	0.02	0.02	0.03	0.03	0.08	0.06	0.04	0.03	<0.03	<0.03	<0.03
Lead T-Pb	<0.001	0.00048	0.00006	0.00005	0.00005	0.00006	0.00003	0.00049	0.00050	0.00050	0.00033	0.00023	<0.001	<0.001	<0.001
Lithium T-Li	<0.015	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.004	0.008	0.008	0.004	0.004	<0.015	<0.015	<0.015
Magnesium T-Mg	0.879	0.651	0.811	0.731	0.76	0.62	0.45	0.69	0.88	0.77	0.69	0.13	0.389	0.392	0.378
Manganese T-Mn	<0.005	0.00192	0.00283	0.00227	0.00204	0.00221	0.00244	0.00250	0.00283	0.00250	0.00238	0.00029	<0.005	<0.005	<0.005
Mercury T-Hg	<0.00005					0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005
Molybdenum T-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00026	0.00050	0.00050	0.00026	0.00025	<0.001	<0.001	<0.001
Nickel T-Ni	<0.001	0.0005	0.0004	0.0003	0.0003	0.0004	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.001	<0.001	<0.001
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3

Station	CL-09	CL96 002	CL96003	CL 96004	CL 96005	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL95 001	CL95002	CL95003
	V1	09-V1	09-V1	09-V1	09-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	10-V1	10-V1	10-V1
Date	95 11 25	960716	960813	960914	961205								95 07 18	95 08 22	95 09 12
Potassium T-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium T-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon T-Si	0.249	0.41	0.27	0.46	0.29	0.13	0.18	0.26	0.46	0.32	0.25	0.14	0.069	0.066	0.057
Silver T-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00003	0.00005	0.00005	0.00003	0.00002	<0.0001	<0.0001	<0.0001
Sodium T-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium T-Sr	0.007	0.0047	0.0052	0.0049	0.0049	0.0049	0.0067	0.0061	0.0100	0.0093	0.0070	0.0024	0.009	0.01	0.011
Thallium T-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	<0.1	<0.1	<0.1
Tin T-Sn	<0.3	0.0003	0.0002	<0.0001	<0.0001	0.0002	0.0001	0.0077	0.1500	0.0150	0.0245	0.0513	<0.03	<0.03	<0.03
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten T-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium T-U	0.00008				0.00007	0.00008	0.00025	0.00025	0.00025	0.00025	0.00018	0.00010	<0.0005	<0.0005	<0.0005
Vanadium T-V	<0.03	0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	<0.03	<0.03	<0.03
Zinc T-Zn	<0.005	0.002	<0.001	0.001	<0.001	0.0009	0.0005	0.0023	0.0025	0.0025	0.0018	0.0009	<0.005	<0.005	<0.005
Dissolved Metals															
Aluminum D-Al	0.009	0.033	0.028	0.038	0.011	0.009	0.010	0.018	0.038	0.029	0.020	0.013	<0.005	0.005	<0.005
Antimony D-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	<0.0001	<0.0001	<0.0001
Arsenic D-As	<0.0001	0.00018	0.00014	0.00015	<0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0002	<0.0001	0.0001
Barium D-Ba	<0.01	0.00248	0.00225	0.00242	0.00234	0.00240	0.00238	0.00374	0.00500	0.00500	0.00369	0.00141	<0.01	<0.01	<0.01
Beryllium D-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0014	0.0025	0.0025	0.0014	0.0012	<0.005	<0.005	<0.005
Bismuth D-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	<0.1	<0.1	<0.1
Boron D-B	<0.1	<0.001	0.003	0.003	0.001	0.003	0.002	0.027	0.050	0.050	0.026	0.026	<0.1	<0.1	<0.1
Cadmium D-Cd	<0.0002	0.00007	<0.00005	0.00014	<0.00005	0.00006	0.00003	0.00010	0.00014	0.00010	0.00008	0.00004	<0.0002	<0.0002	<0.0002
Calcium D-Ca	2.12	1.55	1.59	1.75	1.49	1.31	0.98	1.52	2.12	1.63	1.50	0.36	0.751	0.785	0.728
Chromium D-Cr	<0.015	0.0003	0.0001	0.0004	<0.0005	0.0003	0.0001	0.0040	0.0075	0.0075	0.0039	0.0039	<0.015	<0.015	<0.015
Cobalt D-Co	<0.001	<0.0001	0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00030	0.00050	0.00050	0.00028	0.00023	<0.001	<0.001	<0.001
Copper D-Cu	<0.01	0.0018	0.001	0.0012	0.0011	0.0012	0.0010	0.0034	0.0050	0.0050	0.0031	0.0020	<0.01	<0.01	<0.01
Iron D-Fe	<0.03	0.05	0.04	0.03	<0.01	0.02	0.02	0.02	0.05	0.03	0.02	0.02	<0.03	<0.03	<0.03
Lead D-Pb	<0.001	0.00094	0.00006	0.00126	<0.00005	0.00039	0.00003	0.00050	0.00126	0.00061	0.00054	0.00041	<0.001	<0.001	<0.001
Lithium D-Li	<0.015	<0.001	0.002	0.002	<0.001	0.0016	0.0005	0.0048	0.0075	0.0075	0.0044	0.0034	<0.015	<0.015	<0.015
Magnesium D-Mg	0.896	0.664	0.789	0.722	0.75	0.61	0.43	0.69	0.90	0.76	0.69	0.14	0.38	0.383	0.361
Manganese D-Mn	<0.005	0.00146	0.00143	0.00141	0.00104	0.00143	0.00179	0.00198	0.00250	0.00250	0.00192	0.00064	<0.005	<0.005	<0.005
Mercury D-Hg	<0.00005					0	0	0	0	0	0	0	<0.00005	<0.00005	<0.00005
Molybdenum D-Mo	<0.001	0.00006	<0.00005	0.00006	<0.00005	0.00005	0.00003	0.00028	0.00050	0.00050	0.00027	0.00024	<0.001	<0.001	<0.001
Nickel D-Ni	<0.001	0.0005	0.0004	0.0004	0.0003	0.0004	0.0003	0.0005	0.0005	0.0005	0.0005	0.0001	<0.001	<0.001	<0.001
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Selenium D-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	<0.0005	<0.0005	<0.0005
Silicon D-Si	0.246	0.4	0.26	0.45	0.32	0.13	0.16	0.25	0.45	0.34	0.25	0.14	0.062	0.066	0.053
Silver D-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000028	0.000050	0.000050	0.000028	0.000024	<0.0001	<0.0001	<0.0001
Sodium D-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2
Strontium D-Sr	0.007	0.0046	0.0053	0.0051	0.0049	0.0051	0.0064	0.0062	0.0100	0.0083	0.0067	0.0021	0.009	0.009	0.01
Thallium D-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	<0.1	<0.1	<0.1
Tin D-Sn	<0.3	0.0003	0.0002	<0.0001	<0.0001	0.0002	0.0001	0.0077	0.1500	0.0150	0.0245	0.0513	<0.03	<0.03	<0.03
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01
Tungsten D-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	<0.1
Uranium D-U	0.00007				0.00007	0.00007	0.00003	0.00007	0.00025	0.00025	0.00013	0.00011	<0.0005	<0.0005	<0.00005
Vanadium D-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	<0.03	<0.03	<0.03
Zinc D-Zn	<0.005	0.002	0.003	0.002	0.001	0.002	0.001	0.003	0.003	0.003	0.002	0.001	<0.005	<0.005	<0.005

Station	CL-09	CL96 002	CL96003	CL 96004	CL 96005	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL-09	CL95 001	CL95002	CL95003
	V1	09-V1	09-V1	09-V1	09-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	10-V1	10-V1	10-V1
Date	95 11 25	960716	960813	960914	961205								95 07 18	95 08 22	95 09 12
Organic Parameters															
Chlorophyll	nd	0.12	0.59	0.34		0.22	0.06	0.32	0.64	0.53	0.36	0.21	0.15	0.38	0.25
Total Organic Carbon C	3.1	5.7	5	4.7	3.4	3.0	2.9	3.3	5.7	4.8	3.7	1.3	2.3	1.6	1.8
Polycyclic Aromatic Hydrocarbons															
Acenaphthene			-		-										
Acenaphthylene			-		-										
Acridine			-		-										
Anthracene			-		-										
Benzo(a)anthracene			-		-										
Benzo(a)pyrene			-		-										
Benzo(b)fluoranthene			-		-										
Benzo(g,h,i)perylene			-		-										
Benzo(k)fluoranthene			-		-										
Chrysene			-		-										
Dibenz(a,h)anthracene			-		-										
Fluoranthene			-		-										
Fluorene			-		-										
Indeno(1,2,3-c,d)pyrene			-		-										
Naphthalene			-		-										
Phenanthrene			-		-										
Pyrene			-		-										

Final Report - Jericho Water Quality														
									CL-10					
Station	CL-10	CL96 002	CL96003	CL 96004	CL 96005	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-20	CL-20
	V1	10-V1	10-V1	10-V1	10-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	Arithmetic	Standard
											Mean	Deviation	Mean	Deviation
Date	95 11 25	960716	960813	960914	961205									
Time	10:40	11:05	12:13	14:09	13:45									
Physical Tests														
Total Dissolved Solids	7	9	6	7	5	6	5	7	10	8	7	2	#REF!	#REF!
Conductivity (umhos/cm)				4.17	3.5	3.67	3.50	3.84	4.17	4.00	3.84	0.47	#REF!	#REF!
Hardness CaCO3	4.42	5.52	3.54	6.86	6.5	3.52	3.31	3.98	6.86	5.77	4.64	1.46	#REF!	#REF!
pH	6.53	5.56	6.8			6.54	5.56	6.64	6.80	6.78	6.49	0.47	#REF!	#REF!
Total Suspended Solids	2	8	-	1	<1	1	0.5	1	8	3	2	3	#REF!	#REF!
Turbidity (NTU)														
Dissolved Anions														
Acidity CaCO3	3.9	2	2.7	2	3	2	1	2	4	3	2	1	#REF!	#REF!
Alkalinity-Total CaCO3	3.1	1.2	3.1	3.3	<1	3	1	3	3	3	3	1	#REF!	#REF!
Alkalinity - Bicarbonate CaCO3	3.1	1.2	3.1	3.3	<1	3	1	3	3	3	3	1	#REF!	#REF!
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	<1	1	1	1	1	1	1	0	#REF!	#REF!
Chloride Cl	0.7	<0.5	<0.5	<0.5	<0.5	0.3	0.3	0.3	0.7	0.3	0.3	0.2	#REF!	#REF!
Fluoride F	0.03	<0.02	<0.02	0.04	0.03	0.01	0.01	0.03	0.04	0.03	0.02	0.01	#REF!	#REF!
Sulphate SO4	<1	3.3	1.5	1.3	1	0.5	0.5	1.2	3.3	1.7	1.4	1.0	#REF!	#REF!
Nutrients														
Ammonia Nitrogen N	0.007	0.007	<0.005	<0.005	0.008	0.003	0.003	0.005	0.011	0.007	0.005	0.003	#REF!	#REF!
Nitrate Nitrogen N	0.05	0.103	0.034	0.037	0.041	0.028	0.023	0.036	0.103	0.043	0.043	0.026	#REF!	#REF!
Nitrite Nitrogen N	0.001	<0.001	0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	#REF!	#REF!
Dissolved ortho-Phosphate P	<0.001	0.002	<0.001	0.001	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	#REF!	#REF!
Total Dissolved Phosphate P	<0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.003	0.002	0.001	0.001	#REF!	#REF!
Total Phosphorus P	<0.001	0.005	0.004	0.003	0.002	0.002	0.0005	0.003	0.005	0.003	0.003	0.001	#REF!	#REF!
Total Metals														
Aluminum T-Al	0.007	0.012	0.017	0.011	0.009	0.011	0.007	0.014	0.019	0.017	0.013	0.004	#REF!	#REF!
Antimony T-Sb	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00004	0.00005	0.00005	0.00004	0.00001	#REF!	#REF!
Arsenic T-As	<0.0001	0.00029	0.00025	0.00026	0.0003	0.0001	0.0001	0.0002	0.0003	0.0003	0.0002	0.0001	#REF!	#REF!
Barium T-Ba	<0.01	0.0027	0.00233	0.00252	0.00259	0.00257	0.00233	0.00385	0.00500	0.00500	0.00377	0.00132	#REF!	#REF!
Beryllium T-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.001375	0.0025	0.0025	0.0014	0.0012	#REF!	#REF!
Bismuth T-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	#REF!	#REF!
Boron T-B	<0.1	<0.001	0.003	<0.001	0.001	0.001	0.001	0.027	0.050	0.050	0.026	0.026	#REF!	#REF!
Cadmium T-Cd	<0.0002	0.00018	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00010	0.00018	0.00010	0.00008	0.00005	#REF!	#REF!
Calcium T-Ca	0.821	0.82	0.81	0.78	0.74	0.78	0.74	0.80	0.83	0.82	0.79	0.03	#REF!	#REF!
Chromium T-Cr	<0.015	0.0003	<0.0001	<0.0001	<0.0005	0.0002	0.0001	0.0039	0.0075	0.0075	0.0038	0.0039	#REF!	#REF!
Cobalt T-Co	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0003	0.0005	0.0005	0.0003	0.0002	#REF!	#REF!
Copper T-Cu	<0.01	0.0008	0.0006	0.0006	0.0007	0.0007	0.0006	0.0029	0.0050	0.0050	0.0028	0.0023	#REF!	#REF!
Iron T-Fe	<0.03	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	#REF!	#REF!
Lead T-Pb	<0.001	0.00093	<0.00005	<0.00005	0.00007	0.00006	0.00003	0.00050	0.00093	0.00050	0.00038	0.00032	#REF!	#REF!
Lithium T-Li	<0.015	<0.001	0.002	<0.001	<0.001	0.001	0.001	0.005	0.008	0.008	0.004	0.004	#REF!	#REF!
Magnesium T-Mg	0.411	0.381	0.361	0.438	0.39	0.38	0.36	0.39	0.44	0.40	0.39	0.02	#REF!	#REF!
Manganese T-Mn	<0.005	0.00108	0.00124	0.00135	0.00071	0.00120	0.00071	0.00193	0.00250	0.00250	0.00180	0.00077	#REF!	#REF!
Mercury T-Hg	<0.00005					0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0		
Molybdenum T-Mo	<0.001	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00026	0.00050	0.00050	0.00026	0.00025	#REF!	#REF!
Nickel T-Ni	<0.001	0.0006	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005	0.0006	0.0005	0.0005	0	#REF!	#REF!
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	#REF!	#REF!

Station	CL-10	CL96 002	CL96003	CL 96004	CL 96005	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-20	CL-20
	V1	10-V1	10-V1	10-V1	10-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	Arithmetic Mean	Standard Deviation
Date	95 11 25	960716	960813	960914	961205									
Potassium T-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	#REF!	#REF!
Selenium T-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	#REF!	#REF!
Silicon T-Si	0.073	0.09	<0.05	0.1	0.09	0.06	0.03	0.07	0.10	0.09	0.07	0.02	#REF!	#REF!
Silver T-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	0.00003	0.00005	0.00005	0.00003	0.00002	#REF!	#REF!
Sodium T-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	#REF!	#REF!
Strontium T-Sr	<0.001	0.0043	0.0045	0.0043	0.0046	0.0043	0.0005	0.0046	0.0110	0.0093	0.0060	0.0036	#REF!	#REF!
Thallium T-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	#REF!	#REF!
Tin T-Sn	<0.3	0.0005	0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0078	0.1500	0.0150	0.0245	0.0513	#REF!	#REF!
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	#REF!	#REF!
Tungsten T-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0		
Uranium T-U	<0.00005				0.00002	0.00003	0.00002	0.00025	0.00025	0.00025	0.00016	0.00012	#REF!	#REF!
Vanadium T-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	#REF!	#REF!
Zinc T-Zn	<0.005	0.002	<0.001	<0.001	0.001	0.0009	0.0005	0.0023	0.0025	0.0025	0.0018	0.0009	#REF!	#REF!
Dissolved Metals														
Aluminum D-Al	0.13	0.019	0.018	0.037	0.008	0.004	0.003	0.013	0.130	0.024	0.028	0.043	#REF!	#REF!
Antimony D-Sb	<0.0001	0.00008	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.00005	0.00008	0.00005	0.00004	0.00002	#REF!	#REF!
Arsenic D-As	<0.0001	0.00027	0.00026	0.00026	0.0003	0.0001	0.0001	0.0002	0.0003	0.0003	0.0002	0.0001	#REF!	#REF!
Barium D-Ba	<0.01	0.0029	0.0023	0.00263	0.00245	0.00259	0.00230	0.00395	0.00500	0.00500	0.00379	0.00131	#REF!	#REF!
Beryllium D-Be	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0014	0.0025	0.0025	0.0014	0.0012	#REF!	#REF!
Bismuth D-Bi	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	0.0003	0.0251	0.0500	0.0500	0.0251	0.0266	#REF!	#REF!
Boron D-B	<0.1	0.001	0.004	0.008	0.002	0.004	0.001	0.029	0.050	0.050	0.027	0.025	#REF!	#REF!
Cadmium D-Cd	<0.0002	0.0004	<0.00005	0.00006	<0.00005	0.00005	0.00003	0.00010	0.00040	0.00010	0.00011	0.00012	#REF!	#REF!
Calcium D-Ca	1.11	1.56	0.82	0.91	0.75	0.75	0.73	0.80	1.56	0.96	0.93	0.28	#REF!	#REF!
Chromium D-Cr	<0.015	0.0014	<0.0001	<0.0001	<0.0005	0.0002	0.0001	0.0045	0.0075	0.0075	0.0040	0.0038	#REF!	#REF!
Cobalt D-Co	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00028	0.00050	0.00050	0.00028	0.00024	#REF!	#REF!
Copper D-Cu	<0.01	0.0013	0.0006	0.0006	0.0006	0.0006	0.0006	0.0032	0.0050	0.0050	0.0029	0.0023	#REF!	#REF!
Iron D-Fe	<0.03	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	#REF!	#REF!
Lead D-Pb	<0.001	0.00532	<0.00005	0.00007	<0.00005	0.00006	0.00003	0.00050	0.00532	0.00050	0.00093	0.00179	#REF!	#REF!
Lithium D-Li	<0.015	<0.001	0.003	0.004	<0.001	0.0024	0.0005	0.0058	0.0075	0.0075	0.0048	0.0032	#REF!	#REF!
Magnesium D-Mg	0.398	0.395	0.364	0.459	0.4	0.38	0.36	0.39	0.46	0.40	0.39	0.03	#REF!	#REF!
Manganese D-Mn	<0.005	0.00089	0.00091	0.00068	0.00035	0.00084	0.00035	0.00171	0.00250	0.00250	0.00160	0.00097	#REF!	#REF!
Mercury D-Hg	<0.00005					0	0	0	0	0	0	0		
Molybdenum D-Mo	<0.001	0.00022	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000360	0.000500	0.000500	0.000287	0.000237	#REF!	#REF!
Nickel D-Ni	<0.001	0.0007	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005	0.0007	0.0005	0.0005	0.0001	#REF!	#REF!
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	#REF!	#REF!
Potassium D-K	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	#REF!	#REF!
Selenium D-Se	<0.0005	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	0.0004	0.0005	0.0005	0.0004	0.0001	#REF!	#REF!
Silicon D-Si	0.07	0.08	<0.05	0.09	0.08	0.06	0.03	0.07	0.09	0.08	0.07	0.02	#REF!	#REF!
Silver D-Ag	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000028	0.000050	0.000050	0.000028	0.000024	#REF!	#REF!
Sodium D-Na	<2	<2	<2	<2	<2	1	1	1	1	1	1	0	#REF!	#REF!
Strontium D-Sr	0.007	0.0047	0.0045	0.0047	0.0046	0.0047	0.0045	0.0059	0.0100	0.0090	0.0067	0.0024	#REF!	#REF!
Thallium D-Tl	<0.1	<0.00005	<0.00005	<0.00005	<0.00005	0.00003	0.00003	0.02501	0.05000	0.05000	0.02501	0.02671	#REF!	#REF!
Tin D-Sn	<0.3	0.0004	0.0001	<0.0001	<0.0001	0.00009	0.00005	0.00770	0.15000	0.01500	0.02445	0.05126	#REF!	#REF!
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	#REF!	#REF!
Tungsten D-W	<0.1					0.05	0.05	0.05	0.05	0.05	0.05	0		
Uranium D-U	<0.00005				0.00001	0.00003	0.00001	0.00003	0.00025	0.00025	0.00011	0.00013	#REF!	#REF!
Vanadium D-V	<0.03	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0078	0.0150	0.0150	0.0076	0.0079	#REF!	#REF!
Zinc D-Zn	<0.005	0.006	0.001	0.002	0.001	0.002	0.001	0.003	0.006	0.003	0.003	0.002	#REF!	#REF!

Station	CL-10	CL96 002	CL96003	CL 96004	CL 96005	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-10	CL-20	CL-20
	V1	10-V1	10-V1	10-V1	10-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	Arithmetic	Standard
											Mean	Deviation	Mean	Deviation
Date	95 11 25	960716	960813	960914	961205									
Organic Parameters														
Chlorophyll	nd	0.19	0.21	0.35		0.20	0.15	0.23	0.38	0.33	0.26	0.09	#REF!	#REF!
Total Organic Carbon C	1.8	2.2	1.8	2.4	2.3	1.8	1.6	2.0	2.4	2.3	2.0	0.3	#REF!	#REF!
Polycyclic Aromatic Hydrocarbons														
Acenaphthene			-		-								#REF!	#REF!
Acenaphthylene			-		-								#REF!	#REF!
Acridine			-		-								#REF!	#REF!
Anthracene			-		-								#REF!	#REF!
Benzo(a)anthracene			-		-								#REF!	#REF!
Benzo(a)pyrene			-		-								#REF!	#REF!
Benzo(b)fluoranthene			-		-								#REF!	#REF!
Benzo(g,h,i)perylene			-		-								#REF!	#REF!
Benzo(k)fluoranthene			-		-								#REF!	#REF!
Chrysene			-		-								#REF!	#REF!
Dibenz(a,h)anthracene			-		-								#REF!	#REF!
Fluoranthene			-		-								#REF!	#REF!
Fluorene			-		-								#REF!	#REF!
Indeno(1,2,3-c,d)pyrene			-		-								#REF!	#REF!
Naphthalene			-		-								#REF!	#REF!
Phenanthrene			-		-								#REF!	#REF!
Pyrene			-		-								#REF!	#REF!

Final Report - Jericho Water Quality																				
								CL-12								CL-13				
Station	CL95002	CL95003	CL-12	CL 96001	CL-12	CL-12	CL-12	CL-12	CL-12	CL-12	CL-12	CL95002	CL95003	CL-13	CL-13	CL-13	CL-13	CL96 002	CL96-003	CL96
	12-V1	12-V1	V1	12-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	13-V1	13-V1	Minimum	Median	Maximun	Arithmetic	14-V1	14-V1	414
										Mean	Deviation						Mean			V1
Date	95 08 18	95 09 10	95 11 22	960417								95 08 18	95 09 10					960717	960811	960906
Time	11:35	12:45	13:40	09:45								10:20	13:21					14:52	16:12	13:52
Physical Tests																				
Total Dissolved Solids	16	15	22	42	15.75	15	19	42	27	24	13	15	17	15	16	17	16	10	11	10
Conductivity (umhos/cm)																				
Hardness CaCO3	8.46	8.19	11.4	23.5	8.4	8.2	9.9	23.5	14.4	12.9	7.2	8.81	8.55	8.55	8.68	8.81	8.68	6.14	7	6.56
pH	7.15	6.87	6.95	6.5	6.78	6.50	6.91	7.15	7.00	6.87	0.27	6.89	6.85	6.85	6.87	6.89	6.87	6.73	7.02	6.74
Total Suspended Solids	1	<1	<1	1	0.5	0.5	0.8	1.0	1.0	0.8	0.3	<1	<1	0.5	0.5	0.5	0.5	4	2	1
Turbidity (NTU)																				
Dissolved Anions																				
Acidity CaCO3	2.4	3.5	3.9	3.6	3.2	2.4	3.6	3.9	3.7	3.4	0.7	3.7	3.7	3.7	3.7	3.7	3.7	2	1.9	2
Alkalinity-Total CaCO3	8.3	8.9	11.1	22.8	8.8	8.3	10.0	22.8	14.0	12.8	6.8	8.5	7.7	7.7	8.1	8.5	8.1	5.1	5.9	5.1
Alkalinity - Bicarbonate CaCO3	8.3	8.9	11.1	22.8	8.8	8.3	10.0	22.8	14.0	12.8	6.8	8.5	7.7	7.7	8.1	8.5	8.1	5.1	5.9	5.1
Alkalinity - Carbonate CaCO3	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	0.5	0.5	0.5	0.5	<1	<1	<1
Chloride Cl	<0.5	<0.5	1	1	0.3	0.3	0.6	1.0	1.0	0.6	0.4	<0.5	0.5	0.25	0.375	0.5	0.375	0.6	0.6	<0.5
Fluoride F	0.03	0.03	0.04	0.05	0.03	0.03	0.035	0.050	0.043	0.038	0.010	0.03	0.02	0.02	0.025	0.03	0.025	0.03	0.05	0.03
Sulphate SO4	<1	<1	<1	2.5	0.5	0.5	0.5	2.5	1.0	1.0	1.0	<1	1.4	0.5	0.95	1.4	0.95	<1	<1	<1
Nutrients																				
Ammonia Nitrogen N	0.034	<0.005	0.028	0.088	0.022	0.003	0.031	0.088	0.048	0.038	0.036	0.009	<0.005	0.0025	0.00575	0.009	0.00575	0.021	<0.005	0.007
Nitrate Nitrogen N	<0.005	<0.005	0.009	0.048	0.003	0.003	0.006	0.048	0.019	0.016	0.022	0.026	0.19	0.026	0.108	0.19	0.108	<0.005	<0.005	0.007
Nitrite Nitrogen N	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	0.001
Dissolved ortho-Phosphate P	<0.001	<0.001	<0.001	0.004	0.001	0.001	0.001	0.004	0.001	0.001	0.002	<0.001	0.001	0.0005	0.00075	0.001	0.00075	0.005	0.003	0.003
Total Dissolved Phosphate P	<0.001	0.003	<0.001	0.004	0.001	0.001	0.002	0.004	0.003	0.002	0.002	0.001	0.002	0.001	0.0015	0.002	0.0015	0.005	0.003	0.003
Total Phosphorus P	0.003	0.004	<0.001	0.013	0.002	0.001	0.004	0.013	0.006	0.005	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.007	0.005	0.008
Total Metals																				
Aluminum T-Al	0.04	0.027	0.017	0.026	0.024	0.017	0.027	0.040	0.030	0.028	0.009	0.082	0.15	0.082	0.116	0.15	0.116	0.038	0.041	0.124
Antimony T-Sb	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	<0.00005	<0.00005	<0.00005
Arsenic T-As	<0.0001	<0.0001	<0.0001	0.0004	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0002	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00019	0.00024	0.00021
Barium T-Ba	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	0.00192	0.00156	0.0018
Beryllium T-Be	<0.005	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	<0.0005	<0.0005	<0.0005
Bismuth T-Bi	<0.1	<0.1	<0.1	<0.1	0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.0005	<0.0005	<0.0005
Boron T-B	<0.1	<0.1	<0.1	<0.1	0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.001	0.003	0.004
Cadmium T-Cd	<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0	<0.0002	0.0002	0.0001	0.00015	0.0002	0.00015	<0.00005	0.00006	<0.00005
Calcium T-Ca	1.77	1.69	2.34	4.98	1.75	1.69	2.06	4.98	3.00	2.70	1.55	1.91	1.84	1.84	1.875	1.91	1.875	1.46	1.6	1.47
Chromium T-Cr	<0.015	<0.015	<0.015	<0.01	0.007	0.005	0.008	0.008	0.008	0.007	0	<0.015	<0.015	0.0075	0.0075	0.0075	0.0075	0.0001	0.0002	0.0002
Cobalt T-Co	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.0001	<0.0001	<0.0001
Copper T-Cu	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	0.0014	0.0014	0.0021
Iron T-Fe	0.116	0.1	<0.03	0.11	0.08	0.02	0.11	0.12	0.11	0.09	0.05	0.037	0.057	0.037	0.047	0.057	0.047	0.04	0.05	0.07
Lead T-Pb	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.00005	<0.00005	0.00006
Lithium T-Li	<0.015	<0.015	<0.015	<0.01	0.007	0.005	0.008	0.008	0.008	0.007	0.001	<0.015	<0.015	0.0075	0.0075	0.0075	0.0075	<0.001	0.002	0.002
Magnesium T-Mg	1.02	1.06	1.42	2.76	1.05	1.02	1.24	2.76	1.76	1.57	0.82	1.03	1.03	1.03	1.03	1.03	1.03	0.592	0.743	0.739
Manganese T-Mn	0.006	<0.005	<0.005	0.008	0.003	0.003	0.004	0.008	0.007	0.005	0.003	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.00325	0.00305	0.00264
Mercury T-Hg	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025			
Molybdenum T-Mo	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.00005	<0.00005	<0.00005
Nickel T-Ni	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	0.001	<0.001	0.0005	0.00075	0.001	0.00075	0.0004	0.0003	0.0005
Phosphorus T-P	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	0.15	0.15	0.15	0.15	<0.3	<0.3	<0.3
Potassium T-K	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	1	1	1	1	<2	<2	<2
Selenium T-Se	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	<0.001	<0.001	<0.001
Silicon T-Si	0.286	0.265	0.381	0.73	0.28	0.27	0.33	0.73	0.47	0.42	0.22	0.7	1.09	0.7	0.895	1.09	0.895	0.38	0.36	0.99
Silver T-Ag	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	<0.00001	<0.00001	<0.00001
Sodium T-Na	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	1	1	1	1	<2	<2	<2
Strontium T-Sr	0.01	0.013	0.007	0.016	0.009	0.007	0.012	0.016	0.014	0.012	0.004	0.012	0.013	0.012	0.0125	0.013	0.0125	0.006	0.0061	0.0051
Thallium T-Tl	<0.1	<0.1	<0.1	<0.1	0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.00005	<0.00005	<0.00005
Tin T-Sn	<0.03	<0.03	<0.03	<0.3	<0.03	0.015	0.015	0.015	0.15	0.05	0.05	0.07	<0.03	<0.03	0.015	0.015	0.015	0.015	0.0002	0.0002	<0.0001
Titanium T-Ti	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	<0.01	<0.01	<0.01
Tungsten T-W	<0.1	<0.1	<0.1		0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05			
Uranium T-U	<0.0005	<0.0005	0.00021	0.00026	0.00024	0.00021	0.00025	0.00026	0.00025	0.00024	0.00002	<0.0005	0.00013	0.00013	0.00019	0.00025	0.00019			
Vanadium T-V	<0.03	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015	0.015	0.015	0	<0.03	<0.03	0.015	0.015	0.015	0.015	0.0002	<0.0001	0.0001
Zinc T-Zn	<0.005	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	<0.001	<0.001	<0.001

Station	CL95002	CL95003	CL-12	CL 96001	CL-12	CL-12	CL-12	CL-12	CL-12	CL-12	CL-12	CL95002	CL95003	CL-13	CL-13	CL-13	CL-13	CL96 002	CL96-003	CL96
	12-V1	12-V1	V1	12-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	13-V1	13-V1	Minimum	Median	Maximun	Arithmetic Mean	14-V1	14-V1	414
Date	95 08 18	95 09 10	95 11 22	960417								95 08 18	95 09 10					960717	960811	960906
Dissolved Metals																				
Aluminum D-Al	0.025	0.012	0.014	0.02	0.01	0.01	0.02	0.03	0.02	0.02	0.01	0.073	0.076	0.073	0.0745	0.076	0.0745	0.027	0.021	0.086
Antimony D-Sb	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	<0.00005	<0.00005	<0.00005
Arsenic D-As	<0.0001	<0.0001	<0.0001	0.0004	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0002	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00019	0.0002	0.00018
Barium D-Ba	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	0.00184	0.00159	0.00181
Beryllium D-Be	<0.005	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	<0.0005	<0.0005	<0.0005
Bismuth D-Bi	<0.0005	<0.1	<0.1	<0.1	0.04	0.00	0.05	0.05	0.05	0.04	0.02	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.0005	<0.0005	<0.0005
Boron D-B	<0.1	<0.1	<0.1	<0.1	0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.001	0.001	0.005
Cadmium D-Cd	<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.00009	0.00007	<0.00005
Calcium D-Ca	1.71	1.64	2.27	4.95	1.69	1.64	1.99	4.95	2.94	2.64	1.56	1.87	1.77	1.77	1.82	1.87	1.82	1.48	1.6	1.45
Chromium D-Cr	<0.015	<0.015	<0.015	<0.01	0.007	0.005	0.008	0.008	0.008	0.007	0.001	<0.015	<0.015	0.0075	0.0075	0.0075	0.0075	0.0001	0.0002	0.0002
Cobalt D-Co	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.0001	<0.0001	<0.0001
Copper D-Cu	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	0.0014	0.0014	0.0023
Iron D-Fe	0.049	0.051	<0.03	0.08	0.04	0.02	0.05	0.08	0.06	0.05	0.03	<0.03	0.033	0.015	0.024	0.033	0.024	0.02	0.02	0.04
Lead D-Pb	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.00005	<0.00005	0.00007
Lithium D-Li	<0.015	<0.015	<0.015	<0.01	0.007	0.005	0.008	0.008	0.008	0.007	0.001	<0.015	<0.015	0.0075	0.0075	0.0075	0.0075	<0.001	0.001	0.003
Magnesium D-Mg	1.02	0.995	1.39	2.71	1.01	1.00	1.21	2.71	1.72	1.53	0.81	1.01	1.01	1.01	1.01	1.01	1.01	0.591	0.733	0.712
Manganese D-Mn	<0.005	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.00047	0.00058	0.00137
Mercury D-Hg	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025			
Molybdenum D-Mo	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	<0.00005	<0.00005	<0.00005
Nickel D-Ni	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0003	0.0003	0.0005
Phosphorus D-P	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	0.15	0.15	0.15	0.15	<0.3	<0.3	<0.3
Potassium D-K	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	1	1	1	1	<2	<2	<2
Selenium D-Se	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	<0.001	<0.001	<0.001
Silicon D-Si	0.286	0.246	0.372	0.72	0.28	0.25	0.33	0.72	0.46	0.41	0.22	0.679	1.04	0.679	0.8595	1.04	0.8595	0.37	0.36	0.94
Silver D-Ag	<0.00001	<0.00001	<0.0001	<0.00001	0.000005	0.000005	0.000005	0.00005	0.000016	0.000016	0.000023	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	<0.00001	<0.00001	<0.00001
Sodium D-Na	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	1	1	1	1	<2	<2	<2
Strontium D-Sr	0.01	0.011	0.007	0.016	0.009	0.007	0.011	0.016	0.012	0.011	0.004	0.012	0.013	0.012	0.0125	0.013	0.0125	0.0059	0.0061	0.005
Thallium D-Tl	<0.1	<0.1	<0.1	<0.1	0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05	<0.00005	<0.00005	<0.00005
Tin D-Sn	<0.03	<0.03	<0.3	<0.03	0.015	0.015	0.015	0.15	0.05	0.05	0.07	<0.03	<0.03	0.015	0.015	0.015	0.015	0.0002	0.0001	0.0001
Titanium D-Ti	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	0.005	0.005	0.005	0.005	<0.01	<0.01	<0.01
Tungsten D-W	<0.1	<0.1	<0.1		0.05	0.05	0.05	0.05	0.05	0.05	0	<0.1	<0.1	0.05	0.05	0.05	0.05			
Uranium D-U	<0.0005	<0.00005	0.00020	0.00025	0.00016	0.00003	0.00023	0.00025	0.00025	0.00018	0.00011	0.0006	0.00013	0.00013	0.000365	0.0006	0.000365			
Vanadium D-V	<0.03	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015	0.015	0.015	0	<0.03	<0.03	0.015	0.015	0.015	0.015	<0.0001	<0.0001	<0.0001
Zinc D-Zn	<0.005	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025	0.001	0.001	0.001
Organic Parameters																				
Chlorophyll	0.67	0.88	nd		0.72	0.67	0.78	0.88	0.83	0.78	0.15	0.25	0.23	0.23	0.24	0.25	0.24	0.48	0.66	5.2
Total Organic Carbon C	5.8	4.8	6.7	9.6	5.6	4.8	6.3	9.6	7.4	6.7	2.1	4.7	4	4	4.35	4.7	4.35	4.6	4.1	0.38
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene																		-	-	-
Acenaphthylene																		-	-	-
Acridine																		-	-	-
Anthracene																		-	-	-
Benzo(a)anthracene																		-	-	-
Benzo(a)pyrene																		-	-	-
Benzo(b)fluoranthene																		-	-	-
Benzo(g,h,i)perylene																		-	-	-
Benzo(k)fluoranthene																		-	-	-
Chrysene																		-	-	-
Dibenz(a,h)anthracene																		-	-	-
Fluoranthene																		-	-	-
Fluorene																		-	-	-
Indeno(1,2,3-c,d)pyrene																		-	-	-
Naphthalene																		-	-	-
Phenanthrene																		-	-	-
Pyrene																		-	-	-

Final Report - Jericho Water Quality																		
					CL-14											CL-15		
Station	CL 96005	CL-14	CL-14	CL-14	CL-14	CL-14	CL-14	CL-14	CL96 002	CL96-003	CL 96004	CL 96005	CL-15	CL-15	CL-15	CL-15	CL-15	CL-15
	14-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	15-V1	15-V1	15-V1	15-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean
Date	961205								960717	960811	960914	961205						
Time	11:22								19:04		19:02	11:10						
Physical Tests																		
Total Dissolved Solids	16	10	10	14	17	16	13	3	12	9	10	14	9.75	9	11	14	13	11
Conductivity (umhos/cm)	10.9	10.9	10.9	10.9	10.9	10.9	10.9	0			6.91	9.3	7.5	6.9	8.1	9.3	8.7	8.1
Hardness CaCO3	6.82	6.63	6.14	6.91	8.81	8.26	7.34	1.13	6.1	6.72	6.76	6.82	6.57	6.10	6.74	6.82	6.78	6.60
pH		6.74	6.73	6.87	7.02	6.89	6.85	0.12	6.75	7.01			6.82	6.75	6.88	7.01	6.95	6.88
Total Suspended Solids	2	0.6	0.5	1.5	4.0	2.0	1.7	1.3	5	1	3	1	1	1	2	5	4	3
Turbidity (NTU)																		
Dissolved Anions																		
Acidity CaCO3	4	2	1.9	2.9	4.0	3.7	2.9	1.0	3.5	1.5	2	3	2	2	3	4	3	3
Alkalinity-Total CaCO3	10	5.3	5.1	7.0	10.0	8.4	7.1	2.0	4.2	5.9	5.6	7	5	4	6	7	6	6
Alkalinity - Bicarbonate CaCO3	10	5.3	5.1	7.0	10.0	8.4	7.1	2.0	4.2	5.9	5.6	7	5	4	6	7	6	6
Alkalinity - Carbonate CaCO3	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5
Chloride Cl	<0.5	0.28	0.25	0.44	0.60	0.58	0.43	0.16	<0.5	<0.5	<0.5	<0.5	0.25	0.25	0.25	0.25	0.25	0.25
Fluoride F	0.03	0.03	0.03	0.03	0.05	0.03	0.03	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.04	0.04	0.04	0.03
Sulphate SO4	<1	0.5	0.5	0.5	1.4	0.8	0.7	0.4	1.9	<1	<1	<1	0.5	0.5	0.5	1.9	0.9	0.9
Nutrients																		
Ammonia Nitrogen N	0.035	0.006	0.003	0.008	0.035	0.018	0.013	0.012	0.024	0.009	0.007	0.019	0.009	0.007	0.014	0.024	0.020	0.015
Nitrate Nitrogen N	0.007	0.004	0.003	0.007	0.190	0.083	0.053	0.079	0.056	<0.005	0.01	0.008	0.007	0.003	0.009	0.056	0.022	0.019
Nitrite Nitrogen N	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.001	0.001	0.001	0.002	0.005	0.003	0.002	0.002	0.002	0.005	0.001	0.001	0.001	0.001	0.002	0.005	0.003	0.002
Total Dissolved Phosphate P	0.002	0.002	0.002	0.003	0.005	0.003	0.003	0.001	0.003	0.005	0.001	0.003	0.003	0.001	0.003	0.005	0.004	0.003
Total Phosphorus P	0.007	0.004	0.003	0.006	0.008	0.007	0.006	0.002	0.006	0.005	0.007	0.005	0.005	0.005	0.006	0.007	0.006	0.006
Total Metals																		
Aluminum T-Al	0.042	0.041	0.038	0.079	0.150	0.122	0.085	0.050	0.033	0.036	0.032	0.058	0.033	0.032	0.035	0.058	0.042	0.040
Antimony T-Sb	<0.00005	0.000025	0.000025	0.000025	0.000050	0.000044	0.000033	0.000013	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic T-As	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0001	0.00018	0.00017	0.00018	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002
Barium T-Ba	0.00191	0.00183	0.00156	0.00192	0.00500	0.00423	0.00287	0.00166	0.00135	0.0013	0.00126	0.00222	0.00129	0.00126	0.00133	0.00222	0.00157	0.00153
Beryllium T-Be	<0.0005	0.00025	0.00025	0.00025	0.0025	0.0019	0.0010	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth T-Bi	<0.0005	0.00025	0.00025	0.00025	0.05000	0.03756	0.01683	0.02569	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron T-B	<0.001	0.001	0.001	0.004	0.050	0.039	0.018	0.025	0.002	0.004	<0.001	0.001	0.001	0.001	0.002	0.004	0.003	0.002
Cadmium T-Cd	<0.00005	0.000025	0.000025	0.000043	0.000200	0.000128	0.000081	0.000076	<0.00005	0.00008	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000080	0.000039	0.000039
Calcium T-Ca	2.47	1.50	1.46	1.74	2.47	1.90	1.80	0.38	1.41	1.48	1.5	2.12	1.46	1.41	1.49	2.12	1.66	1.63
Chromium T-Cr	<0.0005	0.0002	0.0001	0.0002	0.0075	0.0057	0.0026	0.003776473	<0.0001	0.0001	0.0001	<0.0005	0.00009	0.00005	0.00010	0.00025	0.00014	0.00013
Cobalt T-Co	<0.0001	0.00005	0.00005	0.00005	0.0005	0.0003875	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper T-Cu	0.0027	0.0016	0.0014	0.0024	0.0050	0.0044	0.0029	0.0017	0.0011	0.0016	0.0011	0.0027	0.0011	0.0011	0.00135	0.0027	0.0019	0.0016
Iron T-Fe	0.01	0.04	0.01	0.05	0.07	0.06	0.05	0.02	0.04	0.06	0.04	0.03	0.04	0.03	0.04	0.06	0.05	0.04
Lead T-Pb	0.00012	0.00003	0.00003	0.00009	0.00050	0.00041	0.00021	0.00023	<0.00005	0.00007	<0.00005	0.00008	0.000025	0.000025	0.000048	0.000080	0.000073	0.000050
Lithium T-Li	<0.001	0.0009	0.0005	0.0020	0.0075	0.0061	0.0033	0.0033	<0.001	0.002	<0.001	<0.001	0.0005	0.0005	0.0005	0.0020	0.0009	0.0009
Magnesium T-Mg	1.1	0.7	0.6	0.9	1.1	1.0	0.9	0.2	0.611	0.74	0.745	0.98	0.71	0.61	0.74	0.98	0.80	0.77
Manganese T-Mn	0.00168	0.00250	0.00168	0.00257	0.00325	0.00295	0.00260	0.00055	0.00547	0.0044	0.00181	0.00146	0.00172	0.00146	0.00311	0.00547	0.00467	0.00329
Mercury T-Hg		0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0										
Molybdenum T-Mo	<0.00005	0.000025	0.000025	0.000025	0.000500	0.000381	0.000183	0.000245	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel T-Ni	0.0004	0.0004	0.0003	0.0005	0.0010	0.0007	0.0006	0.0003	0.0004	0.0003	0.0004	0.0005	0.0004	0.0003	0.0004	0.0005	0.0004	0.0004
Phosphorus T-P	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15
Potassium T-K	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1
Selenium T-Se	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon T-Si	1.1	0.5	0.4	0.9	1.1	1.1	0.8	0.3	0.3	0.32	0.63	1.29	0.32	0.30	0.48	1.29	0.80	0.64
Silver T-Ag	<0.00001	0.000005	0.000005	0.000005	0.000050	0.000039	0.000020	0.000023	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium T-Na	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1
Strontium T-Sr	0.0055	0.0056	0.0051	0.0061	0.0130	0.0109	0.0080	0.0037	0.0036	0.0038	0.0039	0.0066	0.00375	0.0036	0.00385	0.0066	0.0046	0.0045
Thallium T-Tl	<0.00005	0.000025	0.000025	0.000025	0.050000	0.037506	0.016683	0.025807	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin T-Sn	<0.0001	0.00009	0.00005	0.00020	0.01500	0.01130	0.00508	0.00768	0.0002	0.0001	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002
Titanium T-Ti	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten T-W		0.05	0.05	0.05	0.05	0.05	0.05	0										
Uranium T-U	0.00028	0.00022	0.00019	0.00025	0.00028	0.000265	0.00024	0.00005				0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024
Vanadium T-V	<0.001	0.0001	0.0001	0.0004	0.0150	0.0114	0.0051	0.0076	<0.0001	<0.0001	<0.0001	<0.001	0.00005	0.00005	0.00005	0.00050	0.00016	0.00016
Zinc T-Zn	0.001	0.0005	0.0005	0.0008	0.0025	0.0021	0.0013	0.0010	<0.001	0.002	<0.001	0.001	0.0005	0.0005	0.0008	0.0020	0.0013	0.0010

Station	CL 96005	CL-14	CL-14	CL-14	CL-14	CL-14	CL-14	CL-14	CL96 002	CL96-003	CL 96004	CL 96005	CL-15	CL-15	CL-15	CL-15	CL-15	CL-15
	14-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean	Standard Deviation	15-V1	15-V1	15-V1	15-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic Mean
Date	961205								960717	960811	960914	961205						
Dissolved Metals																		
Aluminum D-Al	0.036	0.029	0.021	0.055	0.086	0.076	0.053	0.029	0.019	0.027	0.049	0.052	0.025	0.019	0.038	0.052	0.050	0.037
Antimony D-Sb	<0.00005	0.000025	0.000025	0.000025	0.000050	0.000044	0.000033	0.000013	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic D-As	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.00017	0.00017	0.00017	0.0002	0.00017	0.00017	0.00017	0.00020	0.00018	0.00018
Barium D-Ba	0.00191	0.00182	0.00159	0.00188	0.00500	0.00423	0.00286	0.00166	0.00134	0.00122	0.00139	0.00217	0.00131	0.00122	0.00137	0.00217	0.00159	0.00153
Beryllium D-Be	<0.0005	0.00025	0.00025	0.00025	0.00250	0.00194	0.00100	0.00116	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth D-Bi	<0.0005	0.00025	0.00025	0.00025	0.05000	0.03756	0.01683	0.02569	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron D-B	<0.001	0.0006	0.0005	0.0030	0.0500	0.0388	0.0178	0.0250	<0.001	0.004	0.003	0.001	0.001	0.001	0.002	0.004	0.003	0.002
Cadmium D-Cd	<0.00005	0.000036	0.000025	0.000080	0.000100	0.000098	0.000068	0.000035	0.00008	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000080	0.000039	0.000039
Calcium D-Ca	2.54	1.51	1.45	1.71	2.54	1.86	1.79	0.40	1.49	1.46	1.56	2.1	1.5	1.5	1.5	2.1	1.7	1.7
Chromium D-Cr	<0.0005	0.0002	0.0001	0.0002	0.0075	0.0057	0.0026	0.0038	0.0002	<0.0001	0.0001	<0.0005	0.00009	0.00005	0.00015	0.00025	0.00021	0.00015
Cobalt D-Co	<0.0001	0.00005	0.00005	0.00005	0.00050	0.00039	0.00020	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper D-Cu	0.0021	0.0016	0.0014	0.0022	0.0050	0.0043	0.0029	0.0017	0.0012	0.001	0.0013	0.0025	0.0012	0.0010	0.0013	0.0025	0.0016	0.0015
Iron D-Fe	<0.01	0.02	0.01	0.02	0.04	0.03	0.02	0.01	0.02	0.03	0.03	0.02	0.02	0.02	0.025	0.03	0.03	0.03
Lead D-Pb	0.00005	0.00003	0.00003	0.00006	0.00050	0.00039	0.00020	0.00024	0.00033	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000330	0.000101	0.000101
Lithium D-Li	<0.001	0.0006	0.0005	0.0020	0.0075	0.0064	0.0033	0.0034	<0.001	0.002	0.002	<0.001	0.0005	0.0005	0.0013	0.0020	0.0020	0.0013
Magnesium D-Mg	1.11	0.72	0.59	0.87	1.11	1.01	0.86	0.21	0.577	0.75	0.731	0.98	0.69	0.58	0.74	0.98	0.81	0.76
Manganese D-Mn	0.00035	0.00050	0.00035	0.00098	0.00250	0.00222	0.00130	0.00100	0.00096	0.00096	0.0025	0.00041	0.00082	0.00041	0.00096	0.00250	0.00135	0.00121
Mercury D-Hg		0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0										
Molybdenum D-Mo	<0.00005	0.000025	0.000025	0.000025	0.000500	0.000381	0.000183	0.000245	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel D-Ni	0.0004	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	0.0004	0.0003	0.0004	0.0006	0.0004	0.0003	0.0004	0.0006	0.0005	0.0004
Phosphorus D-P	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15
Potassium D-K	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1
Selenium D-Se	<0.001	0.0003	0.0003	0.0005	0.0005	0.0005	0.0004	0.0001	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon D-Si	1.12	0.49	0.36	0.90	1.12	1.02	0.78	0.33	0.29	0.3	0.62	1.27	0.30	0.29	0.46	1.27	0.78	0.62
Silver D-Ag	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium D-Na	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1
Strontium D-Sr	0.0055	0.0056	0.0050	0.0060	0.0130	0.0109	0.0080	0.0037	0.0035	0.0038	0.004	0.0066	0.0037	0.0035	0.0039	0.0066	0.0047	0.0045
Thallium D-Tl	<0.00005	0.000025	0.000025	0.000025	0.050000	0.037506	0.016683	0.025807	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin D-Sn	<0.0001	0.0001	0.00005	0.00015	0.01500	0.01130	0.00508	0.00769	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001
Titanium D-Ti	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten D-W		0.05	0.05	0.05	0.05	0.05	0.05	0										
Uranium D-U	0.00028	0.00032	0.00028	0.00037	0.00060	0.00048	0.00042	0.00017				0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024
Vanadium D-V	<0.001	0.00005	0.00005	0.00028	0.01500	0.01138	0.00511	0.00766	<0.0001	<0.0001	<0.0001	<0.001	0.00005	0.00005	0.00005	0.00050	0.00016	0.00016
Zinc D-Zn	<0.001	0.001	0.0005	0.0010	0.0025	0.0021	0.0014	0.0009	0.002	<0.001	0.001	<0.001	0.0005	0.0005	0.00075	0.00200	0.00125	0.00100
Organic Parameters																		
Chlorophyll		0.25	0.24	0.48	5.2	0.66	1.37	2.15	0.4	0.45	0.27		0.335	0.27	0.4	0.5	0.4	0.4
Total Organic Carbon C	5.9	4.2	0.4	4.5	5.9	4.7	4.0	1.9	4.1	3.5	4.5	6.2	3.95	3.5	4.3	6.2	4.9	4.6
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	-								-	-		-						
Acenaphthylene	-								-	-		-						
Acridine	-								-	-		-						
Anthracene	-								-	-		-						
Benzo(a)anthracene	-								-	-		-						
Benzo(a)pyrene	-								-	-		-						
Benzo(b)fluoranthene	-								-	-		-						
Benzo(g,h,i)perylene	-								-	-		-						
Benzo(k)fluoranthene	-								-	-		-						
Chrysene	-								-	-		-						
Dibenz(a,h)anthracene	-								-	-		-						
Fluoranthene	-								-	-		-						
Fluorene	-								-	-		-						
Indeno(1,2,3-c,d)pyrene	-								-	-		-						
Naphthalene	-								-	-		-						
Phenanthrene	-								-	-		-						
Pyrene	-								-	-		-						

Final Report - Jericho Water Quality																			
										CL-16									
Station	CL-15	CL96 002	CL96-003	CL96	CL 96005	CL-16	CL-16	CL-16	CL-16	CL-16	CL-16	CL-16	CL96 002	CL96-003	CL96	CL 96005	CL-17	CL-17
	Standard	16-V1	16-V1	416	16-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	17-V1	17-V1	417	17-V1	Quartile 1	Minimum
	Deviation			V1							Mean	Deviation			V1			
Date		960717	960811	960906	961203								960718	960812	960906	961203		
Time		17:11	14:39	12:00	11:50								18:15	13:33	17:05	12:05		
Physical Tests																		
Total Dissolved Solids	2	9	9	10	12	9	9	9.5	9	11	10	1	10	10	14	12	10	10
Conductivity (umhos/cm)	1.7				7.44	7.44	7.44	7.44	0	7.44	7.44	0				8.37		
Hardness CaCO3	0.34	5.77	6.51	5.94	6.84	5.90	5.77	6.23	5.77	6.59	6.27	0.50	6.21	6.86	7.13	6.83	6.68	6.21
pH	0.18	6.83	6.94	6.81		6.82	6.81	6.83	6.83	6.89	6.86	0.07	6.83	7.05	6.68		6.76	6.68
Total Suspended Solids	2	3	8	4	3	3	3	3.5	3	5	5	2	4	<1	1	2	1	1
Turbidity (NTU)																		
Dissolved Anions																		
Acidity CaCO3	1	2	1.9	2	3	2	2	2	2	2	2	1	2	1.9	2	3	2	2
Alkalinity-Total CaCO3	1	4.8	5.1	5.6	6	5	5	5	5	6	5	1	6.3	6.3	5.9	7	6	6
Alkalinity - Bicarbonate CaCO3	1	4.8	5.1	5.6	6	5	5	5	5	6	5	1	6.3	6.3	5.9	7	6	6
Alkalinity - Carbonate CaCO3	0	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1	0.5	0.5
Chloride Cl	0	0.5	<0.5	<0.5	0.9	0.3	0.3	0.4	0.5	0.6	0.5	0.3	<0.5	<0.5	<0.5	<0.5	0.25	0.25
Fluoride F	0.01	<0.02	0.03	0.04	0.03	0.025	0.01	0.03	0.01	0.03	0.03	0.01	0.02	0.04	0.04	<0.02	0.02	0.01
Sulphate SO4	0.7	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	2.4	<1	0.5	0.5
Nutrients																		
Ammonia Nitrogen N	0.008	0.018	0.01	0.014	0.016	0.013	0.01	0.015	0.018	0.017	0.015	0.003	0.015	<0.005	0.027	0.015	0.012	0.003
Nitrate Nitrogen N	0.025	0.01	<0.005	<0.005	0.011	0.003	0.003	0.006	0.010	0.010	0.007	0.005	<0.005	0.005	0.033	0.015	0.004	0.003
Nitrite Nitrogen N	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.002	0.002	0.001	0.003	<0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.004	0.002	0.002	0.002
Total Dissolved Phosphate P	0.002	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.003	0	0.003	0.002	0.004	0.002	0.002	0.002
Total Phosphorus P	0.001	0.005	0.027	0.007	0.004	0.005	0.004	0.006	0.005	0.012	0.011	0.011	0.009	0.006	0.012	0.004	0.006	0.004
Total Metals																		
Aluminum T-Al	0.012	0.033	0.029	0.076	0.048	0.032	0.029	0.041	0.033	0.055	0.047	0.021	0.038	0.029	0.122	0.040	0.036	0.029
Antimony T-Sb	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Arsenic T-As	0	0.00017	0.00021	0.00018	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0	0.0002	0.00018	0.00019	0.0001	0.0002	0.0001
Barium T-Ba	0.00046	0.00168	0.00166	0.00184	0.0021	0.0017	0.0017	0.0018	0.0017	0.0019	0.0018	0.0002	0.00131	0.00118	0.00147	0.00171	0.00128	0.00118
Beryllium T-Be	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025
Bismuth T-Bi	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025
Boron T-B	0.002	<0.001	0.002	0.004	<0.001	0.0005	0.0005	0.0013	0.0005	0.0025	0.0018	0.0017	0.002	0.003	0.007	<0.001	0.002	0.001
Cadmium T-Cd	0.000028	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Calcium T-Ca	0.33	1.37	1.46	1.41	1.79	1.40	1.37	1.44	1.37	1.54	1.51	0.19	1.51	1.59	1.7	1.99	1.57	1.51
Chromium T-Cr	0.00009	0.0001	0.0002	0.0001	<0.0005	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002	0.0001	<0.0001	0.0001	0.0003	<0.0005	0.00009	0.00005
Cobalt T-Co	0	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	0.0002	<0.0001	0.00005	0.00005
Copper T-Cu	0.0008	0.0013	0.0013	0.0015	0.0022	0.0013	0.0013	0.0014	0.0013	0.0017	0.0016	0.0004	0.0011	0.0011	0.0016	0.0023	0.0011	0.0011
Iron T-Fe	0.01	0.03	0.04	0.04	0.02	0.03	0.02	0.04	0.03	0.04	0.03	0.01	0.07	0.07	0.06	0.04	0.055	0.040
Lead T-Pb	0.000029	<0.00005	0.00006	<0.00005	0.00011	0.00003	0.00003	0.00004	0.00003	0.00007	0.00006	0.00004	<0.00005	0.00006	0.0004	0.00009	0.00005	0.00003
Lithium T-Li	0.0008	<0.001	<0.001	0.002	<0.001	0.0005	0.0005	0.0005	0.0005	0.0009	0.0009	0.0008	<0.001	0.002	0.004	<0.001	0.0005	0.0005
Magnesium T-Mg	0.15	0.56	0.67	0.668	0.79	0.64	0.56	0.67	0.56	0.70	0.67	0.09	0.629	0.724	0.789	0.91	0.70	0.63
Manganese T-Mn	0.00196	0.00301	0.00368	0.00336	0.00179	0.00271	0.00179	0.00319	0.00301	0.00344	0.00296	0.00083	0.0029	0.00282	0.0027	0.0025	0.0027	0.0025
Mercury T-Hg																		
Molybdenum T-Mo	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Nickel T-Ni	0.0001	0.0003	0.0003	0.0004	0.0005	0.0003	0.0003	0.0004	0.0003	0.0004	0.0004	0.0001	0.0002	0.0002	0.0004	0.0005	0.0002	0.0002
Phosphorus T-P	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15
Potassium T-K	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1
Selenium T-Se	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005
Silicon T-Si	0.46	0.37	0.37	0.68	0.95	0.37	0.37	0.53	0.37	0.75	0.59	0.28	0.32	0.32	0.84	0.87	0.32	0.32
Silver T-Ag	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005
Sodium T-Na	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1
Strontium T-Sr	0.0014	0.0044	0.0046	0.0049	0.0057	0.0046	0.0044	0.0048	0.0044	0.0051	0.0049	0.0006	0.0035	0.0035	0.004	0.0048	0.0035	0.0035
Thallium T-Tl	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Tin T-Sn	0.0001	0.0002	0.0002	0.0002	<0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0001	0.0003	0.0002	0.0003	<0.0001	0.0002	0.0001
Titanium T-Ti	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005
Tungsten T-W																		
Uranium T-U	0				0.00017											0.00003		
Vanadium T-V	0.00023	<0.00001	<0.00001	0.0001	<0.001	0.00001	0.00001	0.00005	0.00001	0.00020	0.00015	0.00024	0.0001	0.0001	0.0001	<0.001	0.0001	0.0001
Zinc T-Zn	0.0007	<0.001	<0.001	<0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	0.001	0.0005	0.0005

Station	CL-15	CL96 002	CL96-003	CL96	CL 96005	CL-16	CL-16	CL-16	CL-16	CL-16	CL-16	CL-16	CL96 002	CL96-003	CL96	CL 96005	CL-17	CL-17
	Standard	16-V1	16-V1	416	16-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	17-V1	17-V1	417	17-V1	Quartile 1	Minimum
	Deviation			V1							Mean	Deviation			V1			
Date		960717	960811	960906	961203								960718	960812	960906	961203		
Dissolved Metals																		
Aluminum D-Al	0.016	0.025	0.037	0.057	0.041	0.034	0.025	0.039	0.025	0.045	0.040	0.013	0.022	0.018	0.059	0.03	0.02	0.02
Antimony D-Sb	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Arsenic D-As	0.00002	0.00018	0.0002	0.0002	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0000	0.0002	0.00017	0.00018	<0.0001	0.0001	0.0001
Barium D-Ba	0.00043	0.00166	0.0016	0.00172	0.00202	0.00165	0.00160	0.00169	0.00166	0.00180	0.00175	0.00019	0.00122	0.00114	0.00134	0.00163	0.00120	0.00114
Beryllium D-Be	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025
Bismuth D-Bi	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025
Boron D-B	0.002	<0.001	0.005	0.005	0.001	0.001	0.001	0.003	0.001	0.005	0.003	0.002	<0.001	0.001	0.003	0.002	0.001	0.001
Cadmium D-Cd	0.000028	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Calcium D-Ca	0.3	1.39	1.51	1.41	1.7	1.4	1.4	1.5	1.4	1.6	1.5	0.1	1.48	1.54	1.59	1.89	1.53	1.48
Chromium D-Cr	0.00009	0.0001	0.0002	<0.0001	<0.0005	0.00009	0.00005	0.00015	0.00010	0.00021	0.00015	0.00009	0.0001	0.0002	0.0002	<0.0005	0.0002	0.0001
Cobalt D-Co	0	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005
Copper D-Cu	0.0007	0.0012	0.0013	0.0015	0.004	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.0012	0.0011	0.0015	0.0021	0.0012	0.0011
Iron D-Fe	0.01	0.01	0.01	0.01	<0.01	0.009	0.005	0.010	0.010	0.010	0.009	0.003	0.04	0.03	0.02	0.02	0.02	0.02
Lead D-Pb	0.000153	<0.00005	0.00014	0.00005	0.00008	0.00004	0.00003	0.00007	0.00003	0.00010	0.00007	0.00005	<0.00005	0.0001	0.00024	0.00007	0.00006	0.00003
Lithium D-Li	0.0009	<0.001	0.003	0.002	<0.001	0.0005	0.0005	0.0013	0.0005	0.0023	0.0015	0.0012	<0.001	<0.001	0.001	<0.001	0.0005	0.0005
Magnesium D-Mg	0.17	0.558	0.665	0.588	0.78	0.58	0.56	0.63	0.56	0.69	0.65	0.10	0.611	0.731	0.766	0.89	0.70	0.61
Manganese D-Mn	0.00090	0.0008	0.0005	0.00059	0.00029	0.000448	0.000290	0.000545	0.000800	0.000643	0.000545	0.000211	0.00205	0.00175	0.00141	0.00194	0.00167	0.00141
Mercury D-Hg																		
Molybdenum D-Mo	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Nickel D-Ni	0.0001	0.0003	0.0003	0.0004	0.0005	0.0003	0.0003	0.0004	0.0003	0.0004	0.0004	0.0001	0.0002	0.0002	0.0003	0.0005	0.0002	0.0002
Phosphorus D-P	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15
Potassium D-K	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1
Selenium D-Se	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005
Silicon D-Si	0.46	0.35	0.36	0.65	0.89	0.36	0.35	0.51	0.35	0.71	0.56	0.26	0.31	0.31	0.77	0.83	0.31	0.31
Silver D-Ag	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005
Sodium D-Na	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1
Strontium D-Sr	0.0014	0.0045	0.0048	0.0048	0.0056	0.0047	0.0045	0.0048	0.0045	0.0050	0.0049	0.0005	0.0033	0.0034	0.0036	0.0048	0.0034	0.0033
Thallium D-Tl	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025
Tin D-Sn	0.0001	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	0.0002	0.0002	0.0001	<0.0001	0.0001	0.0001
Titanium D-Ti	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005
Tungsten D-W																		
Uranium D-U					0.00017											0.00003		
Vanadium D-V	0.00023	<0.0001	<0.0001	<0.0001	<0.001	0.00005	0.00005	0.00005	0.00005	0.00016	0.00016	0.00023	<0.0001	<0.0001	<0.0001	<0.001	0.00005	0.00005
Zinc D-Zn	0.00071	0.001	<0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.002	0.001	0.001	<0.001	0.002	0.001	0.001	0.001	0.001
Organic Parameters																		
Chlorophyll	0.1	0.24	0.47	4.2		0.4	0.2	0.5	0.2	2.3	1.6	2.2	0.13	0.12	5		0.13	0.12
Total Organic Carbon C	1.2	3.9	3.5	0.65	5.1	2.8	0.7	3.7	3.9	4.2	3.3	1.9	3.8	4	0.4	4.7	2.95	0.40
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene		-	-	-	-								-	-	-	-		
Acenaphthylene		-	-	-	-								-	-	-	-		
Acridine		-	-	-	-								-	-	-	-		
Anthracene		-	-	-	-								-	-	-	-		
Benzo(a)anthracene		-	-	-	-								-	-	-	-		
Benzo(a)pyrene		-	-	-	-								-	-	-	-		
Benzo(b)fluoranthene		-	-	-	-								-	-	-	-		
Benzo(g,h,i)perylene		-	-	-	-								-	-	-	-		
Benzo(k)fluoranthene		-	-	-	-								-	-	-	-		
Chrysene		-	-	-	-								-	-	-	-		
Dibenz(a,h)anthracene		-	-	-	-								-	-	-	-		
Fluoranthene		-	-	-	-								-	-	-	-		
Fluorene		-	-	-	-								-	-	-	-		
Indeno(1,2,3-c,d)pyrene		-	-	-	-								-	-	-	-		
Naphthalene		-	-	-	-								-	-	-	-		
Phenanthrene		-	-	-	-								-	-	-	-		
Pyrene		-	-	-	-								-	-	-	-		

Final Report - Jericho Water Quality																			
		CL-17											CL-18						
Station	CL-17	CL-17	CL-17	CL-17	CL-17	CL96 002	CL96-003	CL96	CL 96005	CL-18	CL-18	CL-18	CL-18	CL-18	CL-18	CL-18	CL96 002	CL96-003	
	Median	Maximum	Quartile 3	Arithmetic	Standard	18-V1	18-V1	418	18-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	19-V1	19-V1	
				Mean	Deviation			V1							Mean	Deviation			
Date						960719	960812	960907	961203								960719	960812	
Time						14:29		14:30	11:00								12:18	11:37	
Physical Tests																			
Total Dissolved Solids	11	14	13	12	2	7	6	7	11	7	6	7	11	8	8	2	7	5	
Conductivity (umhos/cm)									5.47										
Hardness CaCO3	6.85	7.13	6.93	6.76	0.39	3.52	3.5	3.35	6.64	3.46	3.35	3.51	6.64	4.30	4.25	1.59	3.43	3.4	
pH	6.83	7.05	6.94	6.85	0.19	6.73	6.74	6.68		6.71	6.68	6.73	6.74	6.74	6.72	0.03	6.65	6.72	
Total Suspended Solids	2	4	3	2	2	2	2	3	3	2	2	3	3	3	3	1	3	<1	
Turbidity (NTU)																			
Dissolved Anions																			
Acidity CaCO3	2	3	2	2	1	2	1.9	2	3	2	2	2	3	2	2	1	2	1.5	
Alkalinity-Total CaCO3	6	7	6	6	0.5	3.1	2.7	3.2	4	3	3	3	4	3	3	1	2.5	2.8	
Alkalinity - Bicarbonate CaCO3	6	7	6	6	0.5	3.1	2.7	3.2	4	3	3	3	4	3	3	1	2.5	2.8	
Alkalinity - Carbonate CaCO3	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	
Chloride Cl	0.25	0.25	0.25	0.25	0	<0.5	<0.5	<0.5	0.7	0.3	0.3	0.3	0.7	0.4	0.4	0.2	1.5	<0.5	
Fluoride F	0.03	0.04	0.04	0.03	0.02	0.02	0.04	0.03	0.04	0.03	0.02	0.04	0.04	0.04	0.03	0.01	0.02	0.05	
Sulphate SO4	0.5	2.4	1.0	1.0	1.0	1.4	1	1.2	2	1	1	1	2	2	1	0.4	1	<1	
Nutrients																			
Ammonia Nitrogen N	0.015	0.027	0.018	0.015	0.010	0.007	<0.005	0.006	0.026	0.005	0.003	0.007	0.026	0.012	0.010	0.011	0.009	<0.005	
Nitrate Nitrogen N	0.010	0.033	0.020	0.014	0.014	0.027	0.028	0.037	0.045	0.028	0.027	0.033	0.045	0.039	0.034	0.008	0.031	0.025	
Nitrite Nitrogen N	0.001	0.002	0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	<0.001	<0.001	
Dissolved ortho-Phosphate P	0.002	0.004	0.003	0.003	0.001	0.002	0.002	0.003	<0.001	0.002	0.001	0.002	0.003	0.002	0.002	0.001	0.002	0.001	
Total Dissolved Phosphate P	0.003	0.004	0.003	0.003	0.001	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.001	0.002	0.001	
Total Phosphorus P	0.008	0.012	0.010	0.008	0.004	0.003	0.007	0.004	0.002	0.003	0.002	0.004	0.007	0.005	0.004	0.002	0.004	0.003	
Total Metals																			
Aluminum T-Al	0.039	0.122	0.061	0.057	0.043	0.009	0.024	0.011	0.011	0.011	0.009	0.011	0.024	0.014	0.014	0.007	0.007	0.018	
Antimony T-Sb	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	
Arsenic T-As	0.0002	0.0002	0.0002	0.0002	0.00005	0.00029	0.00024	0.00027	0.0004	0.0003	0.0002	0.0003	0.0004	0.0003	0.0003	0.0001	0.00029	0.00025	
Barium T-Ba	0.00139	0.00171	0.00153	0.00142	0.00023	0.0022	0.00235	0.00216	0.00349	0.00219	0.00216	0.00228	0.00349	0.00264	0.00255	0.00063	0.00213	0.00215	
Beryllium T-Be	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	
Bismuth T-Bi	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	
Boron T-B	0.003	0.007	0.004	0.003	0.003	0.001	0.004	<0.001	0.002	0.001	0.001	0.002	0.004	0.003	0.002	0.002	<0.001	0.003	
Cadmium T-Cd	0.000025	0.000025	0.000025	0.000025	0	<0.00005	0.00009	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000090	0.000041	0.000041	0.000033	<0.00005	<0.00005	
Calcium T-Ca	1.65	1.99	1.77	1.70	0.21	0.79	0.9	0.72	1.2	0.8	0.7	0.8	1.2	1.0	0.9	0.2	0.75	0.79	
Chromium T-Cr	0.00018	0.00030	0.00026	0.00018	0.00012	<0.0001	0.0002	<0.0001	<0.0005	0.0001	0.0001	0.0001	0.0003	0.0002	0.0001	0.0001	<0.0001	0.0001	
Cobalt T-Co	0.00005	0.00020	0.00009	0.00009	0.00008	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	
Copper T-Cu	0.0014	0.0023	0.0018	0.0015	0.0006	0.0006	0.001	0.0007	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0002	0.0005	0.0006	
Iron T-Fe	0.065	0.070	0.070	0.060	0.014	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	
Lead T-Pb	0.00008	0.00040	0.00017	0.00014	0.00017	<0.00005	0.00025	<0.00005	0.00033	0.00003	0.00003	0.00014	0.00033	0.00027	0.00016	0.00016	<0.00005	<0.00005	
Lithium T-Li	0.0013	0.0040	0.0025	0.0018	0.0017	<0.001	0.003	<0.001	0.001	0.0005	0.0005	0.0008	0.0030	0.0015	0.0013	0.0012	<0.001	0.002	
Magnesium T-Mg	0.76	0.91	0.82	0.76	0.12	0.398	0.367	0.364	0.59	0.37	0.36	0.38	0.59	0.45	0.43	0.11	0.371	0.356	
Manganese T-Mn	0.0028	0.0029	0.0028	0.0027	0.0002	0.00061	0.00083	0.00081	0.00057	0.00060	0.00057	0.00071	0.00083	0.00082	0.00071	0.00013	0.00061	0.00076	
Mercury T-Hg																			
Molybdenum T-Mo	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	
Nickel T-Ni	0.0003	0.0005	0.0004	0.0003	0.0002	0.0006	0.0006	0.0006	0.001	0.0006	0.0006	0.0006	0.001	0.0007	0.0007	0.0002	0.0006	0.0006	
Phosphorus T-P	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	
Potassium T-K	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	
Selenium T-Se	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	
Silicon T-Si	0.58	0.87	0.85	0.59	0.31	0.08	0.06	0.06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.05	0.06	
Silver T-Ag	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	
Sodium T-Na	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2	
Strontium T-Sr	0.0038	0.0048	0.0042	0.0040	0.0006	0.0043	0.0044	0.0049	0.0069	0.0044	0.0043	0.0047	0.0069	0.0054	0.0051	0.0012	0.0043	0.0044	
Thallium T-Tl	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	
Tin T-Sn	0.0003	0.0003	0.0003	0.0002	0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00020	0.00009	0.00009	0.00008	0.0001	<0.0001	
Titanium T-Ti	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	
Tungsten T-W																			
Uranium T-U									0.00002										
Vanadium T-V	0.0001	0.0005	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.001	0.00005	0.00005	0.00005	0.00050	0.00016	0.00016	0.00023	<0.0001	<0.0001	
Zinc T-Zn	0.0005	0.0010	0.0006	0.0006	0.0003	0.001	0.002	0.001	0.003	0.001	0.001	0.002	0.003	0.002	0.002	0.001	<0.001	<0.001	

Station	CL-17	CL-17	CL-17	CL-17	CL-17	CL96 002	CL96-003	CL96	CL 96005	CL-18	CL-18	CL-18	CL-18	CL-18	CL-18	CL-18	CL96 002	CL96-003
	Median	Maximum	Quartile 3	Arithmetic	Standard	18-V1	18-V1	418	18-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	19-V1	19-V1
				Mean	Deviation			V1							Mean	Deviation		
Date						960719	960812	960907	961203								960719	960812
Dissolved Metals																		
Aluminum D-Al	0.03	0.06	0.04	0.03	0.02	0.006	0.005	0.006	0.008	0.006	0.005	0.006	0.008	0.007	0.006	0.001	0.006	0.011
Antimony D-Sb	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005
Arsenic D-As	0.0002	0.0002	0.0002	0.0002	0.0001	0.00029	0.00028	0.00027	0.0005	0.0003	0.0003	0.0003	0.0005	0.0003	0.0003	0.0001	0.00028	0.00027
Barium D-Ba	0.00128	0.00163	0.00141	0.00133	0.00021	0.00215	0.00249	0.00212	0.00342	0.002143	0.002120	0.002320	0.003420	0.002723	0.002545	0.000607	0.00209	0.00225
Beryllium D-Be	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005
Bismuth D-Bi	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005
Boron D-B	0.002	0.003	0.002	0.002	0.001	<0.001	0.001	<0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	<0.001	0.002
Cadmium D-Cd	0.000025	0.000025	0.000025	0.000025	0	<0.00005	0.00013	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000130	0.000051	0.000051	0.000053	<0.00005	0.00009
Calcium D-Ca	1.57	1.89	1.67	1.63	0.18	0.8	0.8	0.75	1.2	0.8	0.8	0.8	1.2	0.9	0.9	0.2	0.78	0.77
Chromium D-Cr	0.0002	0.0003	0.0002	0.0002	0.0001	<0.0001	0.0001	<0.0001	<0.0005	0.00005	0.00005	0.00008	0.00025	0.00014	0.00011	0.00009	<0.0001	0.0002
Cobalt D-Co	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001
Copper D-Cu	0.0014	0.0021	0.0017	0.0015	0.0005	0.0005	0.0005	0.0005	0.0008	0.0005	0.0005	0.0005	0.0008	0.0006	0.0006	0.0002	0.0005	0.0007
Iron D-Fe	0.03	0.04	0.03	0.03	0.01	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01
Lead D-Pb	0.00009	0.00024	0.00014	0.00011	0.00009	<0.00005	<0.00005	<0.00005	0.00008	0.00003	0.00003	0.00003	0.00008	0.00004	0.00004	0.00003	<0.00005	0.00017
Lithium D-Li	0.0005	0.0010	0.0006	0.0006	0.0003	<0.001	<0.001	<0.001	0.001	0.0005	0.0005	0.0005	0.0010	0.0006	0.0006	0.0003	<0.001	0.001
Magnesium D-Mg	0.75	0.89	0.80	0.75	0.11	0.367	0.366	0.361	0.6	0.4	0.4	0.4	0.6	0.4	0.4	0.1	0.359	0.355
Manganese D-Mn	0.00185	0.00205	0.00197	0.00179	0.00028	0.00048	0.00058	0.00037	0.00024	0.00034	0.00024	0.00043	0.00058	0.00051	0.00042	0.00015	0.00046	0.00059
Mercury D-Hg																		
Molybdenum D-Mo	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005
Nickel D-Ni	0.0003	0.0005	0.0004	0.0003	0.0001	0.0006	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006	0.0009	0.0007	0.0007	0.0002	0.0006	0.0006
Phosphorus D-P	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3
Potassium D-K	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2
Selenium D-Se	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001
Silicon D-Si	0.54	0.83	0.79	0.56	0.28	0.07	0.06	0.06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.05	0.05
Silver D-Ag	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001
Sodium D-Na	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1	1	0	<2	<2
Strontium D-Sr	0.0035	0.0048	0.0039	0.0038	0.0007	0.0042	0.0043	0.0043	0.0069	0.0043	0.0042	0.0043	0.0069	0.0050	0.0049	0.0013	0.0042	0.0043
Thallium D-Tl	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005
Tin D-Sn	0.0002	0.0002	0.0002	0.0001	0.0001	0.0003	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00030	0.00011	0.00011	0.00013	0.0002	<0.0001
Titanium D-Ti	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01
Tungsten D-W																		
Uranium D-U									0.00002									
Vanadium D-V	0.00005	0.00050	0.00016	0.00016	0.00023	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0001	0.0005	0.0002	0.0002	0.0002	<0.0001	<0.0001
Zinc D-Zn	0.001	0.002	0.001	0.001	0.001	0.001	0.003	0.001	0.002	0.001	0.001	0.002	0.003	0.002	0.002	0.001	0.001	0.003
Organic Parameters																		
Chlorophyll	0.13	5.00	2.57	1.75	2.81	0.36	0.37	2.1		0.37	0.36	0.37	2.10	1.24	0.94	1.00	0.44	0.16
Total Organic Carbon C	3.90	4.70	4.18	3.23	1.92	2	2.6	0.23	3	1.56	0.23	2.30	3.00	2.70	1.96	1.22	1.9	2.6
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene						<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025			<0.0005	<0.0005
Acenaphthylene						<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025			<0.0005	<0.0005
Acridine						<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025			<0.00005	<0.00005
Anthracene						0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.0001	0.0000625			<0.0001	<0.0001
Benzo(a)anthracene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Benzo(a)pyrene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Benzo(b)fluoranthene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Benzo(g,h,i)perylene						<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001
Benzo(k)fluoranthene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Chrysene						<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001
Dibenz(a,h)anthracene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Fluoranthene						<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001
Fluorene						<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001
Indeno(1,2,3-c,d)pyrene						<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001
Naphthalene						<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001			<0.0002	<0.0002
Phenanthrene						<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001			<0.0002	<0.0002
Pyrene						<0.00002	<0.00002	<0.00002	<0.00002	0.00001	0.00001	0.00001	0.00001	0.00001			<0.00002	<0.00002

Final Report - Jericho Water Quality																		
						CL-19											CL-20	
Station	CL96	CL 96005	CL-19	CL-19	CL-19	CL-19	CL-19	CL-19	CL-19	CL96 002	CL96-003	CL96	CL 96005	CL-20	CL-20	CL-20	CL-20	CL-20
	419	19-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	20-V1	20-V1	420	20-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3
	V1							Mean	Deviation			V1						
Date	960907	961203								960719	960812	960907	961203					
Time	13:46	11:20								13:18	10:45	11:37	11:30					
Physical Tests																		
Total Dissolved Solids	7	10	7	5	7	10	8	7	2	6	7	7	11	7	6	7	11	8
Conductivity (umhos/cm)		5.66	5.66	5.66	5.66	5.66	5.66	5.66					5.51	5.51	5.51	5.51	5.51	5.51
Hardness CaCO3	3.53	6.65	3.42	3.40	3.48	6.65	4.31	4.25	1.60	3.53	3.53	3.37	6.56	3.49	3.37	3.53	6.56	4.29
pH	6.6		6.63	6.60	6.65	6.72	6.69	6.66	0.06	6.6	6.71	6.61		6.61	6.60	6.61	6.71	6.66
Total Suspended Solids	3	2	2	1	3	3	3	2	1	<1	<1	<1	1	0.5	0.5	0.5	1.0	0.6
Turbidity (NTU)																		
Dissolved Anions																		
Acidity CaCO3	2	2	2	2	2	2	2	2	0.3	1.6	1.4	2	3	2	1	2	3	2
Alkalinity-Total CaCO3	3.2	4	3	3	3	4	3	3	1	2.7	2.8	3.6	4	3	3	3	4	4
Alkalinity - Bicarbonate CaCO3	3.2	4	3	3	3	4	3	3	1	2.7	2.8	3.6	4	3	3	3	4	4
Alkalinity - Carbonate CaCO3	<1	<1	0.5	0.5	0.5	0.5	0.5	0.5	0	<1	<1	<1	<1	0.5	0.5	0.5	0.5	0.5
Chloride Cl	<0.5	<0.5	0.25	0.25	0.25	1.50	0.56	0.56	0.63	<0.5	<0.5	<0.5	0.6	0.3	0.3	0.3	0.6	0.3
Fluoride F	0.03	<0.02	0.02	0.01	0.03	0.05	0.04	0.03	0.02	0.02	0.04	0.04	0.03	0.03	0.02	0.04	0.04	0.04
Sulphate SO4	1.3	3	1	1	1	3	2	1	1	1.4	1.7	1.3	2	1.4	1.3	1.6	2.0	1.8
Nutrients																		
Ammonia Nitrogen N	0.007	0.027	0.006	0.003	0.008	0.027	0.014	0.011	0.011	0.011	0.015	0.006	0.033	0.010	0.006	0.013	0.033	0.020
Nitrate Nitrogen N	0.034	0.039	0.030	0.025	0.033	0.039	0.035	0.032	0.006	0.031	0.09	0.028	0.039	0.030	0.028	0.035	0.090	0.052
Nitrite Nitrogen N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0003	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	0.001	0.001
Dissolved ortho-Phosphate P	0.004	<0.001	0.001	0.001	0.002	0.004	0.003	0.002	0.002	0.003	0.001	0.004	0.002	0.002	0.001	0.003	0.004	0.003
Total Dissolved Phosphate P	0.004	0.002	0.002	0.001	0.002	0.004	0.003	0.002	0.001	0.003	0.003	0.004	0.002	0.003	0.002	0.003	0.004	0.003
Total Phosphorus P	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.001	0.003	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.004
Total Metals																		
Aluminum T-Al	0.031	0.011	0.010	0.007	0.015	0.031	0.021	0.017	0.011	0.014	0.01	0.009	0.011	0.010	0.009	0.011	0.014	0.012
Antimony T-Sb	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic T-As	0.00028	0.0004	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0001	0.00037	0.00029	0.00029	0.0004	0.0003	0.0003	0.0003	0.0004	0.0004
Barium T-Ba	0.00227	0.00357	0.00215	0.00213	0.00221	0.00357	0.00260	0.00253	0.00070	0.00223	0.00239	0.00223	0.00351	0.00223	0.00223	0.00231	0.00351	0.00267
Beryllium T-Be	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth T-Bi	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Boron T-B	0.005	0.002	0.002	0.001	0.003	0.005	0.004	0.003	0.002	0.001	0.002	<0.001	0.002	0.001	0.001	0.002	0.002	0.002
Cadmium T-Cd	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	0.00008	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000080	0.000039
Calcium T-Ca	0.76	1.25	0.76	0.75	0.78	1.25	0.91	0.89	0.24	0.76	0.88	0.69	1.2	0.7	0.7	0.8	1.2	1.0
Chromium T-Cr	<0.0001	<0.0005	0.00005	0.00005	0.00008	0.00025	0.00014	0.00011	0.00009	0.0001	0.0002	<0.0001	<0.0005	0.0001	0.0001	0.0002	0.0003	0.0002
Cobalt T-Co	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00010	0.00006
Copper T-Cu	0.0005	0.001	0.0005	0.0005	0.0006	0.0010	0.0007	0.0007	0.0002	0.0009	0.001	0.0005	0.001	0.0008	0.0005	0.0010	0.0010	0.0010
Iron T-Fe	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Lead T-Pb	<0.00005	0.00011	0.00003	0.00003	0.00003	0.00011	0.00005	0.00005	0.00004	0.0001	0.00024	<0.00005	0.00008	0.00007	0.00003	0.00009	0.00024	0.00014
Lithium T-Li	0.003	0.001	0.001	0.001	0.002	0.003	0.002	0.002	0.001	<0.001	0.001	<0.001	0.001	0.0005	0.0005	0.0008	0.0010	0.0010
Magnesium T-Mg	0.388	0.65	0.37	0.36	0.38	0.65	0.45	0.44	0.14	0.367	0.355	0.369	0.6	0.4	0.4	0.4	0.6	0.4
Manganese T-Mn	0.00087	0.00056	0.00060	0.00056	0.00069	0.00087	0.00079	0.00070	0.00014	0.00092	0.00089	0.00088	0.00053	0.00079	0.00053	0.00089	0.00092	0.00090
Mercury T-Hg																		
Molybdenum T-Mo	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel T-Ni	0.0006	0.001	0.0006	0.0006	0.0006	0.001	0.0007	0.0007	0.0002	0.0006	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006	0.0009	0.0007
Phosphorus T-P	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15
Potassium T-K	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1
Selenium T-Se	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon T-Si	0.06	0.11	0.06	0.05	0.06	0.11	0.07	0.07	0.03	0.06	0.05	0.06	0.1	0.1	0.1	0.1	0.1	0.1
Silver T-Ag	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium T-Na	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1
Strontium T-Sr	0.0047	0.0071	0.0044	0.0043	0.0046	0.0071	0.0053	0.0051	0.0013	0.0042	0.0043	0.0044	0.0069	0.0043	0.0042	0.0044	0.0069	0.0050
Thallium T-Tl	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Tin T-Sn	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00010	0.00006	0.00006	0.00003	0.0002	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00020	0.00009
Titanium T-Ti	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Tungsten T-W																		
Uranium T-U		0.00002											0.00002					
Vanadium T-V	<0.0001	<0.001	0.0001	0.0001	0.0001	0.0005	0.0002	0.0002	0.0002	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0001	0.0005	0.0002
Zinc T-Zn	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002

Station	CL96	CL 96005	CL-19	CL-19	CL-19	CL-19	CL-19	CL-19	CL-19	CL96 002	CL96-003	CL96	CL 96005	CL-20	CL-20	CL-20	CL-20	CL-20
	419	19-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3	Arithmetic	Standard	20-V1	20-V1	420	20-V1	Quartile 1	Minimum	Median	Maximum	Quartile 3
	V1							Mean	Deviation			V1						
Date	960907	961203								960719	960812	960907	961203					
Dissolved Metals																		
Aluminum D-Al	0.031	0.036	0.010	0.006	0.021	0.036	0.032	0.021	0.015	0.005	0.018	0.007	0.008	0.007	0.005	0.008	0.018	0.011
Antimony D-Sb	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	0.00007	<0.00005	0.00003	0.00003	0.00003	0.00007	0.00004
Arsenic D-As	0.00027	0.0004	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0001	0.00028	0.00026	0.00027	0.0004	0.0003	0.0003	0.0003	0.0004	0.0003
Barium D-Ba	0.00223	0.00359	0.00220	0.00209	0.00224	0.00359	0.00259	0.00254	0.00070	0.00208	0.00228	0.00231	0.00345	0.00223	0.00208	0.00230	0.00345	0.00260
Beryllium D-Be	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth D-Bi	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Boron D-B	0.006	0.006	0.002	0.001	0.004	0.006	0.006	0.004	0.003	<0.001	0.003	<0.001	0.002	0.001	0.001	0.001	0.003	0.002
Cadmium D-Cd	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00009	0.00004	0.00004	0.00003	<0.00005	0.00009	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00009	0.00004
Calcium D-Ca	0.77	1.25	0.77	0.77	0.78	1.25	0.90	0.89	0.24	0.82	0.82	0.75	1.22	0.8	0.8	0.8	1.2	0.9
Chromium D-Cr	<0.0001	<0.0005	0.00005	0.00005	0.00013	0.00025	0.00021	0.00014	0.00010	<0.0001	0.0001	<0.0001	<0.0005	0.00005	0.00005	0.00008	0.00025	0.00014
Cobalt D-Co	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Copper D-Cu	0.0005	0.0009	0.0005	0.0005	0.0006	0.0009	0.0008	0.0007	0.0002	0.0014	0.0006	0.0007	0.0009	0.0007	0.0006	0.0008	0.0014	0.0010
Iron D-Fe	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Lead D-Pb	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00017	0.00006	0.00006	0.00007	<0.00005	0.0001	<0.00005	<0.00005	0.00003	0.00003	0.00003	0.00010	0.00004
Lithium D-Li	0.004	0.004	0.001	0.001	0.003	0.004	0.004	0.002	0.002	<0.001	0.003	<0.001	0.001	0.0005	0.0005	0.0008	0.0030	0.0015
Magnesium D-Mg	0.388	0.61	0.36	0.36	0.37	0.61	0.44	0.43	0.12	0.362	0.359	0.365	0.6	0.4	0.4	0.4	0.6	0.4
Manganese D-Mn	0.0004	0.00027	0.00037	0.00027	0.00043	0.00059	0.00049	0.00043	0.00013	0.00049	0.00051	0.00069	0.00026	0.00043	0.00026	0.00050	0.00069	0.00056
Mercury D-Hg																		
Molybdenum D-Mo	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel D-Ni	0.0006	0.001	0.0006	0.0006	0.0006	0.001	0.0007	0.0007	0.0002	0.0006	0.0006	0.0006	0.001	0.0006	0.0006	0.0006	0.0010	0.0007
Phosphorus D-P	<0.3	<0.3	0.15	0.15	0.15	0.15	0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	0.2	0.2	0.2	0.2	0.2
Potassium D-K	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1
Selenium D-Se	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon D-Si	0.06	0.1	0.05	0.05	0.06	0.10	0.07	0.07	0.02	0.06	<0.05	0.06	0.1	0.05	0.03	0.06	0.10	0.07
Silver D-Ag	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium D-Na	<2	<2	1	1	1	1	1	1	0	<2	<2	<2	<2	1	1	1	1	1
Strontium D-Sr	0.0046	0.0073	0.0043	0.0042	0.0045	0.0073	0.0053	0.0051	0.0015	0.0042	0.0044	0.0044	0.0069	0.0044	0.0042	0.0044	0.0069	0.0050
Thallium D-Tl	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Tin D-Sn	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00020	0.00009	0.00009	0.00008	0.0002	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00020	0.00009
Titanium D-Ti	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005	0.005
Tungsten D-W																		
Uranium D-U		0.00002											0.00002					
Vanadium D-V	<0.0001	<0.001	0.00005	0.00005	0.00005	0.00050	0.00016	0.00016	0.00023	<0.0001	<0.0001	<0.0001	<0.001	0.0001	0.0001	0.0001	0.0005	0.0002
Zinc D-Zn	0.002	0.002	0.002	0.001	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Organic Parameters																		
Chlorophyll	2		0.3	0.2	0.4	2.0	1.2	0.9	1.0	0.31	0.14	2		0.2	0.1	0.3	2.0	1.2
Total Organic Carbon C	0.24	3.2	1.5	0.2	2.3	3.2	2.8	2.0	1.3	2.1	2.6	0.22	3.1	1.6	0.2	2.4	3.1	2.7
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025			<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Acenaphthylene	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025			<0.0005	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025	0.00025
Acridine	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025			<0.00005	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025	0.000025
Anthracene	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Benzo(a)anthracene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Benzo(a)pyrene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Benzo(b)fluoranthene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Benzo(g,h,i)perylene	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Benzo(k)fluoranthene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Chrysene	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Dibenz(a,h)anthracene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Fluoranthene	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Fluorene	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005			<0.0001	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005	0.00005
Indeno(1,2,3-c,d)pyrene	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005			<0.00001	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005	0.000005
Naphthalene	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001			<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
Phenanthrene	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001			<0.0002	<0.0002	<0.0002	<0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
Pyrene	<0.00002	<0.00002	0.00001	0.00001	0.00001	0.00001	0.00001			<0.00002	<0.00002	<0.00002	<0.00002	0.00001	0.00001	0.00001	0.00001	0.00001

Final Report - Jericho Water Quality

Station	CL-25	CL-25	CL-25	CL-25 Quartile 1	CL-25 Minimum	CL-25 Median	CL-25 Maximum
Date	99 07 05	99 08 02	99 09 01				
Time							
Physical Tests							
Total Dissolved Solids	11	11	12	11	11	11	12
Conductivity (umhos/cm)	12	13	25	12.5	12	13	25
Hardness CaCO3	5.85	5.96	6.02	5.905	5.85	5.96	6.02
pH	6.44	6.79	7.93	6.615	6.44	6.79	7.93
Total Suspended Solids	<3	<3	<3	1.5	1.5	1.5	1.5
Turbidity (NTU)							
Dissolved Anions							
Acidity CaCO3							
Alkalinity-Total CaCO3	5	6	6	5.5	5	6	6
Alkalinity - Bicarbonate CaCO3							
Alkalinity - Carbonate CaCO3							
Chloride Cl	<0.5	<0.5	0.6	0.25	0.25	0.25	0.6
Fluoride F							
Sulphate SO4	1	1	2	1	1	1	2
Nutrients							
Ammonia Nitrogen N	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025
Nitrate Nitrogen N	0.008	<0.005	0.005	0.00375	0.0025	0.005	0.008
Nitrite Nitrogen N	0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.001
Dissolved ortho-Phosphate P							
Total Dissolved Phosphate P	0.003	0.003	<0.002	0.002	0.001	0.003	0.003
Total Phosphorus P	0.007	0.004	0.003	0.0035	0.003	0.004	0.007
Total Metals							
Aluminum T-Al	0.016	0.016	0.011	0.0135	0.011	0.016	0.016
Antimony T-Sb	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Arsenic T-As	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
Barium T-Ba	0.00145	0.00129	0.00101	0.00115	0.00101	0.00129	0.00145
Beryllium T-Be	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Bismuth T-Bi	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Boron T-B	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Cadmium T-Cd	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Calcium T-Ca	1.24	1.25	1.27	1.245	1.24	1.25	1.27
Chromium T-Cr	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Cobalt T-Co	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
Copper T-Cu	0.0007	0.0007	0.0006	0.00065	0.0006	0.0007	0.0007

Iron T-Fe	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015
Lead T-Pb	0.00015	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.00015
Lithium T-Li	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Magnesium T-Mg	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Manganese T-Mn	0.00367	0.00152	0.00238	0.00195	0.00152	0.00238	0.00367
Mercury T-Hg	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Molybdenum T-Mo	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Nickel T-Ni	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Phosphorus T-P	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
Potassium T-K	<2	<2	<2	1	1	1	1
Selenium T-Se	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Silicon T-Si	0.32	0.21	0.22	0.215	0.21	0.22	0.32
Silver T-Ag	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005
Sodium T-Na	<2	<2	<2	1	1	1	1
Strontium T-Sr	0.0038	0.0039	0.0037	0.00375	0.0037	0.0038	0.0039
Thallium T-Tl	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Tin T-Sn	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
Titanium T-Ti	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
Tungsten T-W							
Uranium T-U			0.00012	0.00012	0.00012	0.00012	0.00012
Vanadium T-V	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Zinc T-Zn	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Dissolved Metals							
Aluminum D-Al	0.012	0.011	0.007	0.009	0.007	0.011	0.012
Antimony D-Sb	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Arsenic D-As	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Barium D-Ba	0.0014	0.00128	0.00099	0.001135	0.00099	0.00128	0.0014
Beryllium D-Be	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Bismuth D-Bi	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Boron D-B	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Cadmium D-Cd	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Calcium D-Ca	1.23	1.2	1.23	1.215	1.2	1.23	1.23
Chromium D-Cr	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
Cobalt D-Co	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
Copper D-Cu	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
Iron D-Fe	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015
Lead D-Pb	0.00014	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.00014
Lithium D-Li	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Magnesium D-Mg	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Manganese D-Mn	0.00287	0.00138	0.00113	0.001255	0.00113	0.00138	0.00287
Mercury D-Hg	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Molybdenum D-Mo	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025

Nickel D-Ni	0.0002	0.0001	<0.0001	0.000075	0.00005	0.0001	0.0002
Phosphorus D-P	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
Potassium D-K	<2	<2	<2	1	1	1	1
Selenium D-Se	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Silicon D-Si	0.35	0.2	0.22	0.21	0.2	0.22	0.35
Silver D-Ag	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
Sodium D-Na	<2	<2	<2	1	1	1	1
Strontium D-Sr	0.0037	0.0038	0.0037	0.0037	0.0037	0.0037	0.0038
Thallium D-Tl	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
Tin D-Sn	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
Titanium D-Ti	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
Tungsten D-W							
Uranium D-U			0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium D-V	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
Zinc D-Zn	<0.001	0.001	<0.001	0.0005	0.0005	0.0005	0.001
Organic Parameters							
Chlorophyll							
Total Organic Carbon C	3	3.7	2.4	2.7	2.4	3	3.7
Polycyclic Aromatic Hydrocarbons							
Acenaphthene							
Acenaphthylene							
Acridine							
Anthracene							
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Chrysene							
Dibenz(a,h)anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-c,d)pyrene							
Naphthalene							
Phenanthrene							
Pyrene							

CL-25 Quartile 3	CL-25 Arithmetic	CL-25 Standard Deviation	CL-26	CL-26	CL-26	CL-26 Quartile 1	CL-26 Minimum	CL-26 Median	CL-26 Maximum
			99 07 05	99 08 02	99 09 01				
11.5	11.3	0.6	16	12	16	14	12	16	16
19	16.7	7.2	15	18	28	16.5	15	18	28
5.99	5.94	0.09	6.97	7.62	7.7	7.295	6.97	7.62	7.7
7.36	7.05	0.78	6.55	6.82	7.88	6.685	6.55	6.82	7.88
1.5	1.5	0	3	<3	<3	1.5	1.5	1.5	3
6	5.7	0.6	5	6	7	5.5	5	6	7
0.43	0.37	0.20	<0.5	<0.5	0.6	0.25	0.25	0.25	0.6
1.5	1.3	0.6	<1	<1	2	0.5	0.5	0.5	2
0.0025	0.0025	0	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025
0.007	0.005	0.003	0.007	0.005	0.008	0.006	0.005	0.007	0.008
0.001	0.001	0	0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.001
0.003	0.002	0.001	0.006	0.003	<0.002	0.002	0.001	0.003	0.006
0.006	0.005	0.002	0.007	0.004	0.004	0.004	0.004	0.004	0.007
0.016	0.014	0.003	0.029	0.03	0.031	0.0295	0.029	0.03	0.031
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00015	0.00013	0.00006	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.00137	0.00125	0.000223	0.00168	0.00172	0.00148	0.00158	0.00148	0.00168	0.00172
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
1.26	1.25	0.02	1.5	1.64	1.68	1.57	1.5	1.64	1.68
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.0007	0.00067	0.00006	0.0013	0.0014	0.0016	0.00135	0.0013	0.0014	0.0016

0.015	0.015	0	0.05	0.03	0.04	0.035	0.03	0.04	0.05
0.00009	0.00007	0.00007	0.0001	<0.00005	0.00063	0.0000625	0.000025	0.0001	0.00063
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.7	0.7	0	0.7	0.8	0.8	0.75	0.7	0.8	0.8
0.003025	0.00252333	0.001082143	0.00605	0.00459	0.00472	0.004655	0.00459	0.00472	0.00605
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.0001	0.0001	0	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
0.15	0.15	0	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
1	1	0	<2	<2	<2	1	1	1	1
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.27	0.25	0.06	0.41	0.34	0.45	0.375	0.34	0.41	0.45
0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005
1	1	0	<2	<2	<2	1	1	1	1
0.00385	0.0038	0.0001	0.0042	0.0048	0.0048	0.0045	0.0042	0.0048	0.0048
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.005	0.005	0	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
0.00012	0.00012	0			0.00019	0.00019	0.00019	0.00019	0.00019
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.012	0.010	0.003	0.016	0.02	0.02	0.018	0.016	0.02	0.02
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.0001	0.0001	0	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.00134	0.00122333	0.000211	0.00154	0.00169	0.00144	0.00149	0.00144	0.00154	0.00169
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
1.23	1.22	0.02	1.53	1.66	1.69	1.595	1.53	1.66	1.69
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.0006	0.0006	0	0.0012	0.0013	0.0015	0.00125	0.0012	0.0013	0.0015
0.015	0.015	0	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015
0.00008	0.00006	0.00007	0.00023	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.00023
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.7	0.7	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
0.002125	0.00179333	0.000940762	0.00158	0.00188	0.00136	0.00147	0.00136	0.00158	0.00188
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025

0.00015	0.000117	0.000076	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.15	0.15	0	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
1	1	0	<2	<2	<2	1	1	1	1
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.285	0.25666667	0.081445	0.39	0.34	0.44	0.365	0.34	0.39	0.44
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
1	1	0	<2	<2	<2	1	1	1	1
0.00375	0.003733	0.000058	0.0042	0.0049	0.0047	0.00445	0.0042	0.0047	0.0049
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.005	0.005	0	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
0.0001	0.0001	0			0.00017	0.00017	0.00017	0.00017	0.00017
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.00075	0.00066667	0.000289	<0.001	0.001	<0.001	0.0005	0.0005	0.0005	0.001
3.35	3.03333333	0.65064071	3.9	4.7	4.1	4	3.9	4.1	4.7

CL-26 Quartile 3	CL-26 Arithmetic	CL-26 Standard Deviation	CL-27 99 07 05	CL-27 99 08 02	CL-27 99 09 01	CL-27 Quartile 1	CL-27 Minimum	CL-27 Median	CL-27 Maximum
16	14.7	2.3	10	14	14	12	10	14	14
23	20.3	6.8	13	15	23	14	13	15	23
7.66	7.43	0.40	6.43	6.75	6.95	6.59	6.43	6.75	6.95
7.35	7.08	0.70	6.47	6.74	7.63	6.605	6.47	6.74	7.63
2.25	2	0.9	4	<3	<3	1.5	1.5	1.5	4
6.5	6.0	1.0	5	6	6	5.5	5	6	6
0.43	0.37	0.20	<0.5	0.6	0.7	0.425	0.25	0.6	0.7
1.3	1.0	0.9	<1	1	3	0.75	0.5	1	3
0.0025	0.0025	0	<0.005	<0.005	<0.005	0.0025	0.0025	0.0025	0.0025
0.008	0.007	0.002	<0.005	0.007	0.005	0.00375	0.0025	0.005	0.007
0.001	0.001	0	0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.001
0.0045	0.003	0.003	0.004	<0.001	<0.002	0.001	0.001	0.001	0.004
0.006	0.005	0.002	0.009	0.004	0.003	0.0035	0.003	0.004	0.009
0.0305	0.030	0.001	0.027	0.027	0.022	0.0245	0.022	0.027	0.027
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.0002	0.00020	0.00000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0017	0.0016267	0.0001286	0.00159	0.00168	0.00156	0.001575	0.00156	0.00159	0.00168
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
1.66	1.61	0.09	1.48	1.55	1.6	1.515	1.48	1.55	1.6
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.0015	0.00143	0.00015	0.0012	0.0013	0.0014	0.00125	0.0012	0.0013	0.0014

0.045	0.040	0	0.04	<0.03	<0.03	0.015	0.015	0.015	0.04
0.00037	0.00025	0.00033	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.00003
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.8	0.8	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.005385	0.00512	0.000808	0.00436	0.00309	0.00277	0.00293	0.00277	0.00309	0.00436
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00035	0.0003333	0.000058	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.15	0.15	0	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
1	1	0	<2	<2	<2	1	1	1	1
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.43	0.4	0.06	0.45	0.35	0.36	0.355	0.35	0.36	0.45
0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	0.000005	0.000005	0.000005	0.000005
1	1	0	<2	<2	<2	1	1	1	1
0.0048	0.0046	0.0003	0.004	0.0045	0.0044	0.0042	0.004	0.0044	0.0045
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.005	0.005	0	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
0.00019	0.00019	0			0.00013	0.00013	0.00013	0.00013	0.00013
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.020	0.019	0.002	0.02	0.021	0.017	0.0185	0.017	0.02	0.021
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.0002	0.0002	0	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.001615	0.0015567	0.0001258	0.00159	0.00164	0.00152	0.001555	0.00152	0.00159	0.00164
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
1.675	1.63	0.09	1.47	1.53	1.58	1.5	1.47	1.53	1.58
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	0.00025	0.00025	0.00025	0.00025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.0014	0.0013333	0.0001528	0.0012	0.0013	0.0013	0.00125	0.0012	0.0013	0.0013
0.015	0.015	0	<0.03	<0.03	<0.03	0.015	0.015	0.015	0.015
0.00013	0.00009	0.00012	0.00017	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.00017
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.8	0.8	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.00173	0.0016067	0.000261	0.00088	0.0012	0.00042	0.00065	0.00042	0.00088	0.0012
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025

0.0003	0.000300	0.000000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.15	0.15	0	<0.3	<0.3	<0.3	0.15	0.15	0.15	0.15
1	1	0	<2	<2	<2	1	1	1	1
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.415	0.39	0.05	0.38	0.35	0.35	0.35	0.35	0.35	0.38
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
1	1	0	<2	<2	<2	1	1	1	1
0.0048	0.004600	0.000361	0.004	0.0046	0.0044	0.0042	0.004	0.0044	0.0046
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	0.000025	0.000025	0.000025	0.000025
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00005	0.00005
0.005	0.005	0	<0.01	<0.01	<0.01	0.005	0.005	0.005	0.005
0.00017	0.00017	0			0.00012	0.00012	0.00012	0.00012	0.00012
0.0005	0.0005	0	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
0.00075	0.0006667	0.0002887	<0.001	<0.001	<0.001	0.0005	0.0005	0.0005	0.0005
4.4	4.2333333	0.4163332	4.2	4.8	3.4	3.8	3.4	4.2	4.8

CL-27 Quartile 3	CL-27 Arithmetic	CL-27 Standard Deviation	CL-28	CL-28	CL-28	CL-28	CL-28 Minimum	CL-28 Maximum	CL-29
			99 08 02	99 09 01	00 07 29	00 09 11			00 07 29
14	12.7	2.3	10	16	13	23	10	16	13
19	17.0	5.3	16	22	<15	14	16	22	<15
6.85	6.71	0.26	6.87	6.38	5.57	6.9	6.38	6.87	5.24
7.185	6.95	0.61	6.57	7.18	6.85	7.04	6.57	7.18	6.91
2.75	2.33	1.44	<3	<3	<3	<3	<3	<3	<3
6	5.7	0.6	5	6	5 5	6 6	5	6	5 5
0.65	0.52	0.24	<0.5	0.8	0.8	1.2	0.25	0.8	0.6
2.0	1.5	1.3	1	3	2	3	1	3	<1
0.0025	0.0025	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
0.006	0.005	0.002	<0.005	0.008	<0.005	<0.005	<0.005	0.008	0.01
0.001	0.001	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
0.0025	0.002	0.002	0.003	<0.002	0.006	0.004	0.001	0.003	0.005
0.007	0.005	0.003	0.004	0.003	0.006	0.003	0.003	0.004	0.005
0.027	0.025	0.003	0.027	0.03	0.015	0.028	0.027	0.03	0.017
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0002	0.00020	0	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.001635	0.00161	0.00006	0.00227	0.00213	0.00164	0.00193	0.00213	0.00227	0.00181
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.575	1.54	0.06	1.41	1.34	1.21	1.46	1.34	1.41	1.14
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00135	0.00130	0.00010	0.0009	0.0011	0.0009	0.0008	0.0009	0.0011	0.0008

0.0275	0.023	0	0.03	0.03	0.05	0.06	0.03	0.03	0.03
0.00003	0.00003	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.7	0.7	0	0.8	0.7	0.6	0.8	0.7	0.8	0.6
0.003725	0.0034067	0.000841	0.00271	0.00272	0.0036	0.00362	0.00271	0.00272	0.0038
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0003	0.0003	0	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003
0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1	1	0	<2	<2	<2	<2	<2	<2	<2
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.405	0.39	0.06	0.32	0.65	0.24	1.16	0.32	0.65	0.22
0.000005	0.000005	0	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
1	1	0	<2	<2	<2	<2	<2	<2	<2
0.00445	0.0043	0.0003	0.006	0.0056	0.0049	0.0052	0.0056	0.006	0.005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.00013	0.00013	0		0.00019	0.00015	0.0001	0.00019	0.00019	0.00017
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.021	0.019	0.002	0.023	0.025	0.012	0.027	0.023	0.025	0.01
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0002	0.0002	0	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.001615	0.0015833	0.000060	0.00238	0.00207	0.00175	0.00195	0.00207	0.00238	0.00174
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.555	1.53	0.06	1.46	1.35	1.2	1.39	1.35	1.46	1.13
0.00025	0.00025	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0013	0.0012667	0.000058	0.0009	0.0009	0.0009	0.0008	0.0009	0.0009	0.0008
0.015	0.015	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
0.00010	0.00007	0.00008	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.7	0.7	0	0.8	0.7	0.6	0.8	0.7	0.8	0.6
0.00104	0.0008333	0.0003921	0.00258	0.00225	0.0019	0.00323	0.00225	0.00258	0.00165
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

0.0003	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.15	0.15	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1	1	0	<2	<2	<2	<2	<2	<2	<2
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.365	0.36	0.02	0.37	0.65	0.25	1.17	0.37	0.65	0.22
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1	1	0	<2	<2	<2	<2	<2	<2	<2
0.0045	0.004333	0.000306	0.0062	0.0055	0.005	0.0052	0.0055	0.0062	0.0051
0.000025	0.000025	0	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.00005	0.00005	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.005	0.005	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.00012	0.00012	0		0.00018	0.00015	0.00009	0.00018	0.00018	0.00016
0.0005	0.0005	0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.0005	0.0005	0	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001
4.5	4.1	0.7	4.5	3.6	3.9	5.6	3.6	4.5	3.7

CL-29	CL-30	CL-30	CL-31	CL-31
00 09 11	00 07 29	00 09 11	00 07 29	00 09 11
16	28	30	30	29
<15	20	12	25	13
5.4	10.5	11.4	9.6	11.4
6.74	7.49	7.34	7.35	7.4
<3	<3	<3	<3	<3
5	9	10	10	11
5	9	10	10	11
1	1.2	1.3	<0.5	0.9
2	1	2	2	2
<0.005	0.006	<0.005	0.009	<0.005
<0.005	0.01	0.025	0.011	0.009
0.001	0.001	0.003	0.001	0.002
0.003	0.005	0.003	<0.002	0.005
0.003	0.005	0.004	0.005	0.005
0.021	0.028	0.037	0.026	0.03
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0003	0.0002	0.0002	0.0002	0.0004
0.00181	0.00207	0.00191	0.00228	0.00212
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	<0.001	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.1	2.18	2.48	2.35	2.6
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0009	0.0017	0.0019	0.0016	0.0016

0.04	0.15	0.12	0.34	0.18
0.00006	<0.00005	0.00011	0.0001	0.0003
<0.001	<0.001	<0.001	<0.001	<0.001
0.6	1.1	1.4	0.9	1.1
0.00319	0.00832	0.00572	0.00468	0.00224
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0003	0.0004	0.0004	0.0004	0.0004
<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001
0.25	0.57	0.91	0.21	0.47
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<2	<2	<2	<2	<2
0.0051	0.0073	0.0078	0.0059	0.006
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01
0.00019	0.00076	0.0009	0.00024	0.00032
<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	0.002	<0.001
0.01	0.021	0.014	0.021	0.013
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
0.0002	0.0002	0.0002	0.0002	0.0002
0.00163	0.00211	0.0017	0.00221	0.00199
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.001	0.001	<0.001	<0.001	<0.001
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
1.13	2.27	2.4	2.32	2.62
<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.0009	0.0016	0.0017	0.0015	0.0014
<0.03	0.1	0.06	0.26	0.13
0.00006	<0.00005	<0.00005	<0.00005	0.00005
<0.001	<0.001	<0.001	<0.001	<0.001
0.6	1.2	1.3	0.9	1.2
0.00088	0.00289	0.00205	0.00355	0.00138
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.00005	<0.00005	0.00006	<0.00005	<0.00005

0.0003	0.0003	0.0003	0.0006	0.0003
<0.3	<0.3	<0.3	<0.3	<0.3
<2	<2	<2	<2	<2
<0.001	<0.001	<0.001	<0.001	<0.001
0.26	0.58	0.85	0.21	0.44
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<2	<2	<2	<2	<2
0.0051	0.0073	0.0074	0.0057	0.0062
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.01	<0.01	<0.01	<0.01	<0.01
0.00015	0.0007	0.00084	0.00021	0.00028
<0.001	<0.001	<0.001	<0.001	<0.001
0.001	<0.001	<0.001	<0.001	<0.001
3.6	6	5.3	8.2	6.5

Final Report - Jericho Water Quality

Station		Seep
Date		00 07 29
Time		
Physical Tests		
Total Dissolved Solids		131
Conductivity	(umhos/cm)	123
Hardness	CaCO3	79.2
pH		6.6
Total Suspended Solids		<3
Turbidity	(NTU)	
Dissolved Anions		
Acidity	CaCO3	
Alkalinity-Total	CaCO3	13
Alkalinity - Bicarbonate	CaCO3	13
Alkalinity - Carbonate	CaCO3	
Chloride	Cl	25.5
Fluoride	F	
Sulphate	SO4	<1
Nutrients		
Ammonia Nitrogen	N	0.4
Nitrate Nitrogen	N	0.469
Nitrite Nitrogen	N	0.012
Dissolved ortho-Phosphate	P	
Total Dissolved Phosphate	P	0.004
Total Phosphorus	P	0.01
Total Metals		
Aluminum	T-Al	0.122
Antimony	T-Sb	0.00008
Arsenic	T-As	0.0167
Barium	T-Ba	0.0429
Beryllium	T-Be	<0.0005
Bismuth	T-Bi	<0.0005
Boron	T-B	0.013
Cadmium	T-Cd	0.00006
Calcium	T-Ca	24.6
Chromium	T-Cr	0.0005
Cobalt	T-Co	0.015
Copper	T-Cu	0.0045

Iron	T-Fe	9.62
Lead	T-Pb	0.00119
Lithium	T-Li	0.01
Magnesium	T-Mg	3.5
Manganese	T-Mn	1.06
Mercury	T-Hg	<0.00005
Molybdenum	T-Mo	0.00077
Nickel	T-Ni	0.0114
Phosphorus	T-P	<0.3
Potassium	T-K	3
Selenium	T-Se	<0.001
Silicon	T-Si	2.4
Silver	T-Ag	0.00002
Sodium	T-Na	<2
Strontium	T-Sr	0.25
Thallium	T-Tl	0.0001
Tin	T-Sn	<0.0001
Titanium	T-Ti	<0.01
Tungsten	T-W	
Uranium	T-U	0.00196
Vanadium	T-V	0.002
Zinc	T-Zn	1.29

Dissolved Metals

Aluminum	D-Al	0.066
Antimony	D-Sb	0.00007
Arsenic	D-As	0.0124
Barium	D-Ba	0.0426
Beryllium	D-Be	<0.0005
Bismuth	D-Bi	<0.0005
Boron	D-B	0.013
Cadmium	D-Cd	<0.00005
Calcium	D-Ca	25.6
Chromium	D-Cr	<0.0005
Cobalt	D-Co	0.0151
Copper	D-Cu	0.0022
Iron	D-Fe	5.81
Lead	D-Pb	0.00047
Lithium	D-Li	0.01
Magnesium	D-Mg	3.7
Manganese	D-Mn	1.07
Mercury	D-Hg	<0.00005
Molybdenum	D-Mo	0.00071

Nickel	D-Ni	0.0109
Phosphorus	D-P	<0.3
Potassium	D-K	3
Selenium	D-Se	<0.001
Silicon	D-Si	2.38
Silver	D-Ag	0.00001
Sodium	D-Na	2
Strontium	D-Sr	0.253
Thallium	D-Tl	0.00008
Tin	D-Sn	<0.0001
Titanium	D-Ti	<0.01
Tungsten	D-W	
Uranium	D-U	0.00154
Vanadium	D-V	<0.001
Zinc	D-Zn	1.24

Organic Parameters

Chlorophyll		
Total Organic Carbon	C	22.6

Jericho Project Water Quality Sample Frequency

Grab Samples (Depth in m)

Station	Location	Apr-95	Jul-95	Aug-95	Sep-95	Nov-95	Apr-96	Jul-96	Aug-96	Sep-96	Dec-96	Jul-97	Aug-98
CL-01	Cigar Lake (Control)	0.5	3,11	3,11	3,11	0.5	0.5	5	5	5	0.5		
CL-02	Cigar Lake (Control)	0.5	3,10	3,10	3,10	0.5	0.5	5	4.5	4.5	0.5	2	0.5
CL-03	Carat Lake	0.5	2,8	2,8	2,8	0.5	0.5	2,8	2,7	2,7	0.5	2	0.5
CL-04	Carat Lake	0.5	6,15,24	6,15,24	6,15,24	0.5	0.5	5,13.5,21	5.5,12,22.5	5.5,12,22.5	0.5	2	0.5
CL-05	Carat Lake	0.5	2,9	2,9	2,9	0.5	2	2,8	2,8	2,8	0.5	0.5	0.5
CL-06	Jericho Lake d/s	0.5	1.5	2	1.5	0.5	0.5	0.5	0.5	0.5	0.5	2	
CL-07	Jericho River d/s	0.5	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.5		
CL-08	Jericho River d/s	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5		
CL-09	Kathawachaga Lake	0.5	0.9	0.9	0.5	0.5	0.5	1	1	1	0.5		
CL-10	Kathawachaga Lake	0.5	2	2	2	0.5	0.5	1	2	2	0.5		
CL-11	Blank	0	0	0	0	0	0	0	0	0	0	0	0
CL-12	Potential Tailings Area Lk			1,3	1,3	0.5	0.5						
CL-13	Seep Creek			0.15	0.15								
CL-14	Key Lake						0.5	5.5,9,10	2.5,10	2.5,10	0.5		
CL-15	Pocket Lake						0.5	3,6,12	3,7,12	3,7,12	0.5		
CL-16	Lynne Lake						0.5	3,7.5.12.5	3,9.5	3,9.5.11	0.5		
CL-17	Ash Lake						0.5	3.5	3	3	0.5		
CL-18	Contwoyto Lake @ dock							1	0.3	0.3	0.5		
CL-19	Contwoyto Lake							1	0.3	0.3	0.5		
CL-20	Contwoyto Lake							1	0.3	0.3	0.5		
CL-21	Camp Area steams							0.3	0.3	0.3			
CL-22	Camp Area steams							0.3	0.3	0.3			
CL-23	Camp Area steams							0.5	0.5	0.5			
CL-25	Long Lake Outlet												
CL-26	Key Lake Outlet												
CL-27	Lynne Lake Outlet												
CL-28	Lake C3												

Secchi Disk, Hydrolab Profiles

Station	Location	Apr-95	Jul-95	Aug-95	Sep-95	Nov-95	Apr-96	Jul-96	Aug-96	Sep-96	Dec-96	Jul-97	Aug-98
CL-01	Cigar Lake (Control)		X	X	X			X	X	X			
CL-02	Cigar Lake (Control)		X	X	X			X	X	X		X	
CL-03	Carat Lake		X	X	X			X	X	X		X	
CL-04	Carat Lake		X	X	X			X	X	X		X	
CL-05	Carat Lake		X	X	X			X	X	X		*	
CL-06	Jericho Lake d/s		X	X	X			X	X	X		X	
CL-07	Jericho River d/s		*	*	*			*	*	*			
CL-08	Jericho River d/s		*	*	*			*	*	*			
CL-09	Kathawachaga Lake		X	X	X			X	X	X			
CL-10	Kathawachaga Lake		X	X	X			X	X	X			
CL-11	Blank												
CL-12	Potential Tailings Area Lk			X	X			X					
CL-13	Seep Creek							*	*	*			
CL-14	Key Lake							X	X	X			
CL-15	Pocket Lake							X	X	X			
CL-16	Lynne Lake							X	X	X			
CL-17	Ash Lake							X	X	X			
CL-18	Contwoyto Lake @ dock							X	X	X			
CL-19	Contwoyto Lake							X	X	X			
CL-20	Contwoyto Lake							X	X	X			
CL-21	Camp Area steams							*	*	*			
CL-22	Camp Area steams							*	*	*			
CL-23	Camp Area steams							*	*	*			
CL-28	Lake C3												

* Spot measurements

Final Report - Jericho Water Quality

Station

Date
Time

Physical Tests

Total Dissolved Solids	
Conductivity	(umhos/cm)
Hardness	CaCO3
pH	
Total Suspended Solids	
Turbidity	(NTU)

Dissolved Anions

Acidity	CaCO3
Alkalinity-Total	CaCO3
Alkalinity - Bicarbonate	CaCO3
Alkalinity - Carbonate	CaCO3
Chloride	Cl
Fluoride	F
Sulphate	SO4

Nutrients

Ammonia Nitrogen	N
Nitrate Nitrogen	N
Nitrite Nitrogen	N
Dissolved ortho-Phosphate	P
Total Dissolved Phosphate	P
Total Phosphorus	P

Total Metals

Aluminum	T-Al
Antimony	T-Sb
Arsenic	T-As
Barium	T-Ba
Beryllium	T-Be
Bismuth	T-Bi
Boron	T-B
Cadmium	T-Cd
Calcium	T-Ca
Chromium	T-Cr
Cobalt	T-Co
Copper	T-Cu

Iron T-Fe
Lead T-Pb
Lithium T-Li

Magnesium T-Mg
Manganese T-Mn
Mercury T-Hg
Molybdenum T-Mo
Nickel T-Ni

Phosphorus T-P
Potassium T-K
Selenium T-Se
Silicon T-Si
Silver T-Ag

Sodium T-Na
Strontium T-Sr
Thallium T-Tl
Tin T-Sn
Titanium T-Ti

Tungsten T-W
Uranium T-U
Vanadium T-V
Zinc T-Zn

Dissolved Metals

Aluminum D-Al
Antimony D-Sb
Arsenic D-As
Barium D-Ba
Beryllium D-Be

Bismuth D-Bi
Boron D-B
Cadmium D-Cd
Calcium D-Ca
Chromium D-Cr

Cobalt D-Co
Copper D-Cu
Iron D-Fe
Lead D-Pb
Lithium D-Li

Magnesium D-Mg
Manganese D-Mn
Mercury D-Hg
Molybdenum D-Mo

Nickel D-Ni

Phosphorus D-P
Potassium D-K
Selenium D-Se
Silicon D-Si
Silver D-Ag

Sodium D-Na
Strontium D-Sr
Thallium D-Tl
Tin D-Sn
Titanium D-Ti

Tungsten D-W
Uranium D-U
Vanadium D-V
Zinc D-Zn

Organic Parameters
Chlorophyll
Total Organic Carbon C

Polycyclic Aromatic Hydrocarbons
Acenaphthene
Acenaphthylene
Acridine
Anthracene
Benzo(a)anthracene

Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Chrysene

Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-c,d)pyrene
Naphthalene

Phenanthrene
Pyrene

1995 - 1999 WATER QUALITY RANGES																	
Station	CL-01	CL-01	CL-02	CL-02	CL-03	CL-03	CL-04	CL-04	CL-05	CL-05	CL-06	CL-06	CL-07	CL-07	CL-08	CL-08	CL-09
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Physical Tests																	
Total Dissolved Solids	7	15	7	18	7	15	7	15	8	16	7	16	8	12	8	12	8
Conductivity (umhos/cm)	5.2	9.35	5.11	22	6.05	12	6.59	12	6.5	158	5.14	12	5.59	5.59	5.59	5.59	5.59
Hardness CaCO3	4.69	4.86	4.56	8.21	4.11	6.75	4.14	6.84	4.18	61.4	4.19	7.8	4.21	6.86	4.21	6.86	4.21
pH	6.47	6.94	6.06	7.73	5.9	6.89	6.03	6.85	6.19	6.92	6.16	6.76	5.68	6.94	5.68	6.94	5.68
Total Suspended Solids	0.5	18	0.15	7	0.5	5	0.5	3	0.15	5	0.5	3	0.5	3	0.5	3	0.5
Turbidity (NTU)			0.5	0.8	0.4	0.6	0.4	0.5	0.3	0.4	0.4	0.4					
Dissolved Anions																	
Acidity CaCO3	0.5	3.9	1.7	4.3	0.5	5.5	1	3.5	1.7	4.3	1.3	4.8	1.3	4.1	1.3	4.1	1.3
Alkalinity-Total CaCO3	4.4	7	4.5	8.1	3.4	5.9	3.2	6	3.7	6.2	3.2	6.2	2.1	4.2	2.1	4.2	2.1
Alkalinity - Bicarbonate CaCO3	4.4	7	4.5	7	3.1	5.9	3.2	6	3.7	6.2	3.2	6.2	2.1	4.2	2.1	4.2	2.1
Alkalinity - Carbonate CaCO3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Chloride Cl	0.25	1	0.25	1	0.25	1.4	0.25	1.3	0.25	39	0.25	1.6	0.25	0.7	0.25	0.7	0.25
Fluoride F	0.02	0.04	0.01	0.04	0.02	0.14	0.02	0.04	0.01	0.06	0.01	0.05	0.01	0.03	0.01	0.03	0.01
Sulphate SO4	0.5	1.8	0.5	3	0.5	2	0.5	1.9	0.5	2.1	0.5	1.6	0.5	2.2	0.5	2.2	0.5
Nutrients																	
Ammonia Nitrogen N	0.0025	0.019	0.0025	0.014	0.0025	0.026	0.0025	0.24	0.0025	0.028	0.0025	0.033	0.0025	0.014	0.0025	0.014	0.0025
Nitrate Nitrogen N	0.0025	0.011	0.0025	0.019	0.0025	0.041	0.0025	0.066	0.0025	2.5	0.0025	0.042	0.0025	0.01	0.0025	0.01	0.0025
Nitrite Nitrogen N	0.0005	0.001	0.0005	0.002	0.0005	0.002	0.0005	0.001	0.0005	0.002	0.0005	0.001	0.0005	0.001	0.0005	0.001	0.0005
Dissolved ortho-Phosphate P	0.0005	0.007	0.0005	0.002	0.0005	0.004	0.0005	0.003	0.0005	0.006	0.0005	0.003	0.0005	0.002	0.0005	0.002	0.0005
Total Dissolved Phosphate P	0.0005	0.007	0.0005	0.008	0.0005	0.004	0.0005	0.006	0.0005	0.027	0.0005	0.003	0.002	0.005	0.002	0.005	0.002
Total Phosphorus P	0.0005	0.007	0.0005	0.01	0.0005	0.005	0.0005	0.007	0.0005	0.039	0.0005	0.005	0.003	0.005	0.003	0.005	0.003
Total Metals																	
Aluminum T-Al	0.011	0.24	0.007	0.038	0.014	0.062	0.014	0.058	0.015	0.38	0.012	0.036	0.03	0.047	0.03	0.047	0.03
Antimony T-Sb	0.000025	0.00005	0.000025	0.00018	0.000025	0.00005	0.000025	0.00005	0.000025	0.00008	0.000025	0.00005	0.000025	0.00005	0.000025	0.00005	0.000025
Arsenic T-As	0.00005	0.0002	0.00005	0.0002	0.00005	0.0003	0.00005	0.00665	0.00005	0.0003	0.00005	0.0003	0.00005	0.00022	0.00005	0.00022	0.00005
Barium T-Ba	0.00135	0.005	0.0012	0.005	0.0014	0.005	0.00138	0.005	0.00181	0.0379	0.00153	0.005	0.00243	0.005	0.00243	0.005	0.00243
Beryllium T-Be	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025
Bismuth T-Bi	0.00025	0.05	0.000025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025
Boron T-B	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.0005
Cadmium T-Cd	0.000025	0.0001	0.000025	0.00012	0.000025	0.0001	0.000025	0.0001	0.000025	0.0001	0.000025	0.0001	0.000025	0.0001	0.000025	0.0001	0.000025
Calcium T-Ca	0.94	1.89	0.97	1.86	0.95	1.61	0.95	1.71	0.93	18.2	0.993	1.89	1.01	1.34	1.01	1.34	1.01
Chromium T-Cr	0.0001	0.0075	0.00005	0.0075	0.0001	0.0075	0.0001	0.0075	0.0001	0.0075	0.0001	0.0075	0.0001	0.0075	0.0001	0.0075	0.0001
Cobalt T-Co	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005
Copper T-Cu	0.0009	0.005	0.0009	0.005	0.0009	0.005	0.0009	0.005	0.0009	0.005	0.0008	0.005	0.0011	0.005	0.0011	0.005	0.0011
Iron T-Fe	0.005	0.031	0.01	0.03	0.015	0.04	0.015	0.04	0.005	0.11	0.005	0.03	0.032	0.13	0.032	0.13	0.032
Lead T-Pb	0.000025	0.0005	0.000025	0.0005	0.000025	0.001	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025
Lithium T-Li	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.023	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005
Magnesium T-Mg	0.535	1.06	0.5	0.93	0.431	0.67	0.425	0.74	0.43	4.7	0.442	0.78	0.447	0.602	0.447	0.602	0.447
Manganese T-Mn	0.00158	0.00375	0.0013	0.0049	0.00229	0.00548	0.00209	0.00717	0.00153	0.0477	0.00108	0.00406	0.00244	0.00321	0.00244	0.00321	0.00244
Mercury T-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum T-Mo	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025
Nickel T-Ni	0.0002	0.0005	0.0001	0.001	0.0002	0.0005	0.0003	0.0005	0.0003	0.0012	0.0002	0.003	0.0003	0.002	0.0003	0.002	0.0003
Phosphorus T-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium T-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Selenium T-Se	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025
Silicon T-Si	0.24	0.75	0.228	0.66	0.227	0.71	0.23	0.77	0.22	2.35	0.217	0.46	0.176	0.52	0.176	0.52	0.176
Silver T-Ag	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005
Sodium T-Na	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Strontium T-Sr	0.0005	0.011	0.0005	0.011	0.0049	0.013	0.0048	0.013	0.0051	0.138	0.005	0.013	0.0067	0.011	0.0067	0.011	0.0067
Thallium T-Tl	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025
Tin T-Sn	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.015	0.00005	0.015	0.00005
Titanium T-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten T-W			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			0.05	0.05	0.05	0.05	0.05
Uranium T-U	0.00008	0.00025	0.00008	0.00025	0.00015	0.00027	0.00015	0.00028	0.0001	0.00025	0.0001	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025

1995 - 1999 WATER QUALITY RANGES																	
Station	CL-01	CL-01	CL-02	CL-02	CL-03	CL-03	CL-04	CL-04	CL-05	CL-05	CL-06	CL-06	CL-07	CL-07	CL-08	CL-08	CL-09
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Vanadium T-V	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005
Zinc T-Zn	0.0005	0.0025	0.0005	0.005	0.0005	0.0025	0.0005	0.019	0.0005	0.012	0.0005	0.003	0.0005	0.0025	0.0005	0.0025	0.0005
Dissolved Metals																	
Aluminum D-Al	0.0025	0.02	0.0025	0.022	0.007	0.034	0.007	0.042	0.012	0.033	0.005	0.035	0.01	0.048	0.01	0.048	0.01
Antimony D-Sb	0.000025	0.00005	0.000025	0.00011	0.000025	0.00005	0.000025	0.00005	0.000025	0.00005	0.000025	0.00005	0.000025	0.00005	0.000025	0.00005	0.000025
Arsenic D-As	0.00005	0.0002	0.00005	0.0002	0.00005	0.0002	0.00005	0.0003	0.00005	0.0003	0.00005	0.0003	0.00005	0.00025	0.00005	0.00025	0.00005
Barium D-Ba	0.00143	0.005	0.00123	0.005	0.00142	0.005	0.00133	0.005	0.00184	0.0375	0.00123	0.005	0.00238	0.005	0.00238	0.005	0.00238
Beryllium D-Be	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025	0.0025	0.00025
Bismuth D-Bi	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025
Boron D-B	0.0005	0.05	0.0005	0.05	0.0005	0.05	0.001	0.05	0.0005	0.05	0.001	0.05	0.002	0.05	0.002	0.05	0.002
Cadmium D-Cd	0.000025	0.0001	0.000025	0.0001	0.000025	0.00037	0.000025	0.0001	0.000025	0.0001	0.00005	0.00025	0.000025	0.00033	0.000025	0.00033	0.000025
Calcium D-Ca	0.97	1.98	0.954	1.86	0.945	1.61	0.93	1.64	0.965	17.3	0.947	1.84	0.977	1.3	0.977	1.3	0.977
Chromium D-Cr	0.0001	0.0075	0.00005	0.0075	0.0001	0.0075	0.0001	0.0075	0.00005	0.0075	0.0001	0.0075	0.00005	0.0075	0.00005	0.0075	0.00005
Cobalt D-Co	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005	0.00005
Copper D-Cu	0.0009	0.005	0.0008	0.005	0.0009	0.005	0.0008	0.005	0.0009	0.005	0.001	0.005	0.001	0.005	0.001	0.005	0.001
Iron D-Fe	0.005	0.015	0.005	0.02	0.005	0.015	0.005	0.015	0.005	0.04	0.005	0.015	0.015	0.08	0.015	0.08	0.015
Lead D-Pb	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025
Lithium D-Li	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005	0.0075	0.0005
Magnesium D-Mg	0.525	1.07	0.5	0.93	0.419	0.66	0.433	0.71	0.423	4.4	0.442	0.78	0.431	0.582	0.431	0.582	0.431
Manganese D-Mn	0.00028	0.0025	0.00023	0.0025	0.00046	0.00372	0.00043	0.00416	0.00046	0.0459	0.0005	0.0025	0.00179	0.0025	0.00179	0.0025	0.00179
Mercury D-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum D-Mo	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025	0.0005	0.000025
Nickel D-Ni	0.0002	0.0005	0.0002	0.0005	0.0003	0.0005	0.0003	0.0005	0.0003	0.0013	0.0003	0.0007	0.0003	0.0014	0.0003	0.0014	0.0003
Phosphorus D-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium D-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Selenium D-Se	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025	0.0005	0.00025
Silicon D-Si	0.225	0.75	0.219	0.65	0.209	0.71	0.21	0.72	0.2	2.23	0.205	0.49	0.164	0.5	0.164	0.5	0.164
Silver D-Ag	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005
Sodium D-Na	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Strontium D-Sr	0.001	0.01	0.0005	0.01	0.0048	0.013	0.0047	0.013	0.0051	0.133	0.0042	0.013	0.0064	0.011	0.0064	0.011	0.0064
Thallium D-Tl	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025	0.05	0.000025
Tin D-Sn	0.0001	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.15	0.00005	0.015	0.00005	0.015	0.00005
Titanium D-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten D-W					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Uranium D-U	0.000025	0.00025	0.000025	0.00025	0.000025	0.00025	0.000025	0.00027	0.000025	0.00025	0.000025	0.00025	0.000025	0.00025	0.000025	0.00025	0.000025
Vanadium D-V	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005	0.015	0.00005
Zinc D-Zn	0.0005	0.003	0.0005	0.007	0.001	0.003	0.001	0.0025	0.0005	0.01	0.001	0.004	0.001	0.0025	0.001	0.0025	0.001
Organic Parameters																	
Chlorophyll	0.16	0.59	0.19	0.5	0.19	3.3	0.26	3.1	0.37	3.1	0.11	1.01	0.06	0.55	0.06	0.55	0.06
Total Organic Carbon C	2.1	5.5	2.2	4.9	0.62	4.4	0.66	4.8	0.67	5.8	2.7	4.5	2.9	8.2	2.9	8.2	2.9
NOTE: LESS THAN DETECTION SHOWN AS ONE-HALF DETECTION, E.G. <0.001 SHOWN AS 0.0005; SEE ATTACHED FOR DETECTION LIMITS																	

1995 - 1999 WATER QUALITY RANGI																	
Station	CL-09	CL-10	CL-10	CL-12	CL-12	CL-14	CL-14	CL-15	CL-15	CL-16	CL-16	CL-17	CL-17	CL-18	CL-18	CL-19	CL-19
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Physical Tests																	
Total Dissolved Solids	19	5	10	15	42	10	17	9	14	9	9	10	14	6	11	5	10
Conductivity (umhos/cm)	7.34	3.5	4.17			10.9	10.9	6.91	9.3	7.44	0					5.66	5.66
Hardness CaCO3	8.98	3.31	6.86	8.19	23.5	6.14	8.81	6.1	6.82	5.77	5.77	6.21	7.13	3.35	6.64	3.4	6.65
pH	7.04	5.56	6.8	6.5	7.15	6.73	7.02	6.75	7.01	6.81	6.83	6.68	7.05	6.68	6.74	6.6	6.72
Total Suspended Solids	7	0.5	8	0.5	1	0.5	4	1	5	3	3	0.5	4	2	3	0.5	3
Turbidity (NTU)																	
Dissolved Anions																	
Acidity CaCO3	4.3	1.1	3.9	2.4	3.9	1.9	4	1.5	3.5	1.9	2	1.9	3	1.9	3	1.5	2
Alkalinity-Total CaCO3	7.4	0.5	3.4	8.3	22.8	5.1	10	4.2	7	4.8	4.8	5.9	7	2.7	4	2.5	4
Alkalinity - Bicarbonate CaCO3	7.4	0.5	3.4	8.3	22.8	5.1	10	4.2	7	4.8	4.8	5.9	7	2.7	4	2.5	4
Alkalinity - Carbonate CaCO3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Chloride Cl	1.2	0.25	0.7	0.25	1	0.25	0.6	0.25	0.25	0.25	0.5	0.25	0.25	0.25	0.7	0.25	1.5
Fluoride F	0.04	0.01	0.04	0.03	0.05	0.025	0.05	0.02	0.04	0.01	0.01	0.01	0.04	0.02	0.04	0.01	0.05
Sulphate SO4	4.3	0.5	3.3	0.5	2.5	0.5	1.4	0.5	1.9	0.5	0.5	0.5	2.4	1	2	0.5	3
Nutrients																	
Ammonia Nitrogen N	0.016	0.0025	0.011	0.0025	0.088	0.0025	0.035	0.007	0.024	0.01	0.018	0.0025	0.027	0.0025	0.026	0.0025	0.027
Nitrate Nitrogen N	0.029	0.023	0.103	0.0025	0.048	0.0025	0.19	0.0025	0.056	0.0025	0.01	0.0025	0.033	0.027	0.045	0.025	0.039
Nitrite Nitrogen N	0.002	0.0005	0.001	0.0005	0.001	0.0005	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.0005	0.001	0.0005	0.001
Dissolved ortho-Phosphate P	0.004	0.0005	0.002	0.0005	0.004	0.00075	0.005	0.001	0.005	0.0005	0.002	0.002	0.004	0.0005	0.003	0.0005	0.004
Total Dissolved Phosphate P	0.007	0.0005	0.003	0.0005	0.004	0.0015	0.005	0.001	0.005	0.002	0.003	0.002	0.004	0.002	0.003	0.001	0.004
Total Phosphorus P	0.007	0.0005	0.005	0.0005	0.013	0.003	0.008	0.005	0.007	0.004	0.005	0.004	0.012	0.002	0.007	0.003	0.004
Total Metals																	
Aluminum T-Al	0.04	0.007	0.019	0.017	0.04	0.038	0.15	0.032	0.058	0.029	0.033	0.029	0.122	0.009	0.024	0.007	0.031
Antimony T-Sb	0.00005	0.000025	0.00005	0.00005	0.00005	0.000025	0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic T-As	0.00018	0.00005	0.0003	0.00005	0.0004	0.00005	0.00024	0.0001	0.00018	0.00017	0.00017	0.0001	0.0002	0.00024	0.0004	0.00025	0.0004
Barium T-Ba	0.005	0.00233	0.005	0.005	0.005	0.00156	0.005	0.00126	0.00222	0.00166	0.00168	0.00118	0.00171	0.00216	0.00349	0.00213	0.00357
Beryllium T-Be	0.0025	0.00025	0.0025	0.0025	0.0025	0.00025	0.0025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth T-Bi	0.05	0.00025	0.05	0.05	0.05	0.00025	0.05	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron T-B	0.05	0.0005	0.05	0.05	0.05	0.0005	0.05	0.0005	0.004	0.0005	0.0005	0.0005	0.007	0.0005	0.004	0.0005	0.005
Cadmium T-Cd	0.0001	0.000025	0.00018	0.0001	0.0001	0.000025	0.0002	0.000025	0.00008	0.000025	0.000025	0.000025	0.000025	0.000025	0.00009	0.000025	0.000025
Calcium T-Ca	1.87	0.74	0.828	1.69	4.98	1.46	2.47	1.41	2.12	1.37	1.37	1.51	1.99	0.72	1.2	0.75	1.25
Chromium T-Cr	0.0075	0.00005	0.0075	0.005	0.0075	0.0001	0.0075	0.00005	0.00025	0.0001	0.0001	0.00005	0.0003	0.00005	0.00025	0.00005	0.00025
Cobalt T-Co	0.0005	0.00005	0.0005	0.0005	0.0005	0.00005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0002	0.00005	0.00005	0.00005	0.00005
Copper T-Cu	0.005	0.0006	0.005	0.005	0.005	0.0014	0.005	0.0011	0.0027	0.0013	0.0013	0.0011	0.0023	0.0006	0.001	0.0005	0.001
Iron T-Fe	0.08	0.005	0.015	0.015	0.116	0.01	0.07	0.03	0.06	0.02	0.03	0.04	0.07	0.005	0.005	0.005	0.005
Lead T-Pb	0.0005	0.000025	0.00093	0.0005	0.0005	0.000025	0.0005	0.000025	0.00008	0.000025	0.000025	0.000025	0.0004	0.000025	0.00033	0.000025	0.00011
Lithium T-Li	0.0075	0.0005	0.0075	0.005	0.0075	0.0005	0.0075	0.0005	0.002	0.0005	0.0005	0.0005	0.004	0.0005	0.003	0.0005	0.003
Magnesium T-Mg	0.879	0.361	0.438	1.02	2.76	0.592	1.1	0.611	0.98	0.56	0.56	0.629	0.91	0.364	0.59	0.356	0.65
Manganese T-Mn	0.00283	0.00071	0.0025	0.0025	0.008	0.00168	0.00325	0.00146	0.00547	0.00179	0.00301	0.0025	0.0029	0.00057	0.00083	0.00056	0.00087
Mercury T-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025										
Molybdenum T-Mo	0.0005	0.000025	0.0005	0.0005	0.0005	0.000025	0.0005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel T-Ni	0.0005	0.0005	0.0006	0.0005	0.0005	0.0003	0.001	0.0003	0.0005	0.0003	0.0003	0.0002	0.0005	0.0006	0.001	0.0006	0.001
Phosphorus T-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium T-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Selenium T-Se	0.0005	0.00025	0.0005	0.00025	0.00025	0.00025	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon T-Si	0.46	0.025	0.1	0.265	0.73	0.36	1.1	0.3	1.29	0.37	0.37	0.32	0.87	0.06	0.1	0.05	0.11
Silver T-Ag	0.00005	0.000005	0.00005	0.00005	0.00005	0.000005	0.00005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium T-Na	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Strontium T-Sr	0.01	0.0005	0.011	0.007	0.016	0.0051	0.013	0.0036	0.0066	0.0044	0.0044	0.0035	0.0048	0.0043	0.0069	0.0043	0.0071
Thallium T-Tl	0.05	0.000025	0.05	0.05	0.05	0.000025	0.05	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin T-Sn	0.15	0.00005	0.15	0.015	0.15	0.00005	0.015	0.0001	0.0002	0.00005	0.0002	0.00005	0.0003	0.00005	0.0002	0.00005	0.0001
Titanium T-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten T-W	0.05	0.05	0.05	0.05	0.05	0.05	0.05										
Uranium T-U	0.00025	0.00002	0.00025	0.00021	0.00026	0.00019	0.00028	0.00024	0.00024								

1995 - 1999 WATER QUALITY RANGI																	
Station	CL-09	CL-10	CL-10	CL-12	CL-12	CL-14	CL-14	CL-15	CL-15	CL-16	CL-16	CL-17	CL-17	CL-18	CL-18	CL-19	CL-19
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Vanadium T-V	0.015	0.00005	0.015	0.015	0.015	0.00005	0.015	0.00005	0.0005	0.000005	0.000005	0.0001	0.0005	0.00005	0.0005	0.00005	0.0005
Zinc T-Zn	0.0025	0.0005	0.0025	0.0025	0.0025	0.0005	0.0025	0.0005	0.002	0.0005	0.0005	0.0005	0.001	0.001	0.003	0.0005	0.002
Dissolved Metals																	
Aluminum D-Al	0.038	0.0025	0.13	0.012	0.025	0.021	0.086	0.019	0.052	0.025	0.025	0.018	0.059	0.005	0.008	0.006	0.036
Antimony D-Sb	0.00005	0.000025	0.00008	0.00005	0.00005	0.000025	0.00005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic D-As	0.00018	0.00005	0.0003	0.00005	0.0004	0.00005	0.0002	0.00017	0.0002	0.0001	0.00018	0.00005	0.0002	0.00027	0.0005	0.00027	0.0004
Barium D-Ba	0.005	0.0023	0.005	0.005	0.005	0.00159	0.005	0.00122	0.00217	0.0016	0.00166	0.00114	0.00163	0.00212	0.00342	0.00209	0.00359
Beryllium D-Be	0.0025	0.00025	0.0025	0.0025	0.0025	0.00025	0.0025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth D-Bi	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.05	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron D-B	0.05	0.001	0.05	0.05	0.05	0.0005	0.05	0.0005	0.004	0.0005	0.0005	0.0005	0.003	0.0005	0.002	0.0005	0.006
Cadmium D-Cd	0.00014	0.000025	0.0004	0.0001	0.0001	0.000025	0.0001	0.000025	0.00008	0.000025	0.000025	0.000025	0.000025	0.000025	0.00013	0.000025	0.00009
Calcium D-Ca	2.12	0.728	1.56	1.64	4.95	1.45	2.54	1.46	2.1	1.39	1.39	1.48	1.89	0.75	1.2	0.77	1.25
Chromium D-Cr	0.0075	0.00005	0.0075	0.005	0.0075	0.0001	0.0075	0.00005	0.00025	0.00005	0.0001	0.0001	0.00025	0.00005	0.00025	0.00005	0.00025
Cobalt D-Co	0.0005	0.00005	0.0005	0.0005	0.0005	0.00005	0.0005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper D-Cu	0.005	0.0006	0.005	0.005	0.005	0.0014	0.005	0.001	0.0025	0.0012	0.0012	0.0011	0.0021	0.0005	0.0008	0.0005	0.0009
Iron D-Fe	0.05	0.005	0.015	0.015	0.08	0.005	0.04	0.02	0.03	0.005	0.01	0.02	0.04	0.005	0.005	0.005	0.005
Lead D-Pb	0.00126	0.000025	0.00532	0.0005	0.0005	0.000025	0.0005	0.000025	0.00033	0.000025	0.000025	0.000025	0.00024	0.000025	0.00008	0.000025	0.00017
Lithium D-Li	0.0075	0.0005	0.0075	0.005	0.0075	0.0005	0.0075	0.0005	0.002	0.0005	0.0005	0.0005	0.001	0.0005	0.001	0.0005	0.004
Magnesium D-Mg	0.896	0.361	0.459	0.995	2.71	0.591	1.11	0.577	0.98	0.558	0.558	0.611	0.89	0.361	0.6	0.355	0.61
Manganese D-Mn	0.0025	0.00035	0.0025	0.0025	0.0025	0.00035	0.0025	0.00041	0.0025	0.00029	0.0008	0.00141	0.00205	0.00024	0.00058	0.00027	0.00059
Mercury D-Hg	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025										
Molybdenum D-Mo	0.0005	0.000025	0.0005	0.0005	0.0005	0.000025	0.0005	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel D-Ni	0.0005	0.0005	0.0007	0.0005	0.0005	0.0003	0.0005	0.0003	0.0006	0.0003	0.0003	0.0002	0.0005	0.0006	0.0009	0.0006	0.001
Phosphorus D-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium D-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Selenium D-Se	0.0005	0.00025	0.0005	0.00025	0.00025	0.00025	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon D-Si	0.45	0.025	0.09	0.246	0.72	0.36	1.12	0.29	1.27	0.35	0.35	0.31	0.83	0.06	0.1	0.05	0.1
Silver D-Ag	0.00005	0.000005	0.00005	0.000005	0.00005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium D-Na	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Strontium D-Sr	0.01	0.0045	0.01	0.007	0.016	0.005	0.013	0.0035	0.0066	0.0045	0.0045	0.0033	0.0048	0.0042	0.0069	0.0042	0.0073
Thallium D-Tl	0.05	0.000025	0.05	0.05	0.05	0.000025	0.05	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin D-Sn	0.15	0.00005	0.15	0.015	0.15	0.00005	0.015	0.0001	0.0002	0.0001	0.0003	0.00005	0.0002	0.00005	0.0003	0.00005	0.0002
Titanium D-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten D-W	0.05	0.05	0.05	0.05	0.05	0.05	0.05										
Uranium D-U	0.00025	0.00001	0.00025	0.000025	0.00025	0.00028	0.0006	0.00024	0.00024								
Vanadium D-V	0.015	0.00005	0.015	0.015	0.015	0.00005	0.015	0.00005	0.0005	0.00005	0.00005	0.00005	0.0005	0.00005	0.0005	0.00005	0.0005
Zinc D-Zn	0.003	0.001	0.006	0.0025	0.0025	0.0005	0.0025	0.0005	0.002	0.0005	0.001	0.0005	0.002	0.001	0.003	0.001	0.003
Organic Parameters																	
Chlorophyll	0.64	0.15	0.38	0.67	0.88	0.24	5.2	0.27	0.45	0.24	0.24	0.12	5	0.36	2.1	0.16	2
Total Organic Carbon C	5.7	1.6	2.4	4.8	9.6	0.38	5.9	3.5	6.2	0.65	3.9	0.4	4.7	0.23	3	0.24	3.2
NOTE: LESS THAN DETECTION SHOV																	

1995 - 1999 WATER QUALITY RANGI										
Station	CL-20	CL-20	CL-25	CL-25	CL-26	CL-26	CL-27	CL-27	CL-28	CL-28
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Physical Tests										
Total Dissolved Solids	6	11	11	12	12	16	10	14	10	16
Conductivity (umhos/cm)	5.51	5.51	12	25	15	28	13	23	16	22
Hardness CaCO3	3.37	6.56	5.85	6.02	6.97	7.7	6.43	6.95	6.38	6.87
pH	6.6	6.71	6.44	7.93	6.55	7.88	6.47	7.63	6.57	7.18
Total Suspended Solids	0.5	1	1.5	1.5	1.5	3	1.5	4	1.5	1.5
Turbidity (NTU)										
Dissolved Anions										
Acidity CaCO3	1.4	3								
Alkalinity-Total CaCO3	2.7	4	5	6	5	7	5	6	5	6
Alkalinity - Bicarbonate CaCO3	2.7	4								
Alkalinity - Carbonate CaCO3	0.5	0.5								
Chloride Cl	0.25	0.6	0.25	0.6	0.25	0.6	0.25	0.7	0.25	0.8
Fluoride F	0.02	0.04								
Sulphate SO4	1.3	2	1	2	0.5	2	0.5	3	1	3
Nutrients										
Ammonia Nitrogen N	0.006	0.033	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Nitrate Nitrogen N	0.028	0.09	0.0025	0.008	0.005	0.008	0.0025	0.007	0.0025	0.008
Nitrite Nitrogen N	0.0005	0.001	0.0005	0.001	0.0005	0.001	0.0005	0.001	0.0005	0.0005
Dissolved ortho-Phosphate P	0.001	0.004								
Total Dissolved Phosphate P	0.002	0.004	0.001	0.003	0.001	0.006	0.001	0.004	0.001	0.003
Total Phosphorus P	0.003	0.004	0.003	0.007	0.004	0.007	0.003	0.009	0.003	0.004
Total Metals										
Aluminum T-Al	0.009	0.014	0.011	0.016	0.029	0.031	0.022	0.027	0.027	0.03
Antimony T-Sb	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic T-As	0.00029	0.0004	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Barium T-Ba	0.00223	0.00351	0.00101	0.00145	0.00148	0.00172	0.00156	0.00168	0.00213	0.00227
Beryllium T-Be	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth T-Bi	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron T-B	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Cadmium T-Cd	0.000025	0.00008	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Calcium T-Ca	0.69	1.2	1.24	1.27	1.5	1.68	1.48	1.6	1.34	1.41
Chromium T-Cr	0.00005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Cobalt T-Co	0.00005	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper T-Cu	0.0005	0.001	0.0006	0.0007	0.0013	0.0016	0.0012	0.0014	0.0009	0.0011
Iron T-Fe	0.005	0.005	0.015	0.015	0.03	0.05	0.015	0.04	0.03	0.03
Lead T-Pb	0.000025	0.00024	0.000025	0.00015	0.000025	0.00063	0.000025	0.000025	0.000025	0.000025
Lithium T-Li	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Magnesium T-Mg	0.355	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.8
Manganese T-Mn	0.00053	0.00092	0.00152	0.00367	0.00459	0.00605	0.00277	0.00436	0.00271	0.00272
Mercury T-Hg			0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum T-Mo	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel T-Ni	0.0006	0.0009	0.0001	0.0001	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003
Phosphorus T-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium T-K	1	1	1	1	1	1	1	1	1	1
Selenium T-Se	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon T-Si	0.05	0.1	0.21	0.32	0.34	0.45	0.35	0.45	0.32	0.65
Silver T-Ag	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Sodium T-Na	1	1	1	1	1	1	1	1	1	1
Strontium T-Sr	0.0042	0.0069	0.0037	0.0039	0.0042	0.0048	0.004	0.0045	0.0056	0.006
Thallium T-Tl	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin T-Sn	0.00005	0.0002	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Titanium T-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten T-W										
Uranium T-U			0.00012	0.00012	0.00019	0.00019	0.00013	0.00013	0.00019	0.00019

1995 - 1999 WATER QUALITY RANGI										
Station	CL-20	CL-20	CL-25	CL-25	CL-26	CL-26	CL-27	CL-27	CL-28	CL-28
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Vanadium T-V	0.00005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Zinc T-Zn	0.001	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Dissolved Metals										
Aluminum D-Al	0.005	0.018	0.007	0.012	0.016	0.02	0.017	0.021	0.023	0.025
Antimony D-Sb	0.000025	0.00007	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Arsenic D-As	0.00026	0.0004	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Barium D-Ba	0.00208	0.00345	0.00099	0.0014	0.00144	0.00169	0.00152	0.00164	0.00207	0.00238
Beryllium D-Be	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Bismuth D-Bi	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Boron D-B	0.0005	0.003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Cadmium D-Cd	0.000025	0.00009	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Calcium D-Ca	0.75	1.22	1.2	1.23	1.53	1.69	1.47	1.58	1.35	1.46
Chromium D-Cr	0.00005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Cobalt D-Co	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper D-Cu	0.0006	0.0014	0.0006	0.0006	0.0012	0.0015	0.0012	0.0013	0.0009	0.0009
Iron D-Fe	0.005	0.005	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Lead D-Pb	0.000025	0.0001	0.000025	0.00014	0.000025	0.00023	0.000025	0.00017	0.000025	0.000025
Lithium D-Li	0.0005	0.003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Magnesium D-Mg	0.359	0.6	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.8
Manganese D-Mn	0.00026	0.00069	0.00113	0.00287	0.00136	0.00188	0.00042	0.0012	0.00225	0.00258
Mercury D-Hg			0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Molybdenum D-Mo	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Nickel D-Ni	0.0006	0.001	0.00005	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Phosphorus D-P	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium D-K	1	1	1	1	1	1	1	1	1	1
Selenium D-Se	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Silicon D-Si	0.025	0.1	0.2	0.35	0.34	0.44	0.35	0.38	0.37	0.65
Silver D-Ag	0.000005	0.000005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Sodium D-Na	1	1	1	1	1	1	1	1	1	1
Strontium D-Sr	0.0042	0.0069	0.0037	0.0038	0.0042	0.0049	0.004	0.0046	0.0055	0.0062
Thallium D-Tl	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Tin D-Sn	0.00005	0.0002	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Titanium D-Ti	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Tungsten D-W										
Uranium D-U			0.0001	0.0001	0.00017	0.00017	0.00012	0.00012	0.00018	0.00018
Vanadium D-V	0.00005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Zinc D-Zn	0.002	0.002	0.0005	0.001	0.0005	0.001	0.0005	0.0005	0.0005	0.001
Organic Parameters										
Chlorophyll	0.14	2								
Total Organic Carbon C	0.22	3.1	2.4	3.7	3.9	4.7	3.4	4.8	3.6	4.5
NOTE: LESS THAN DETECTION SHOV										

Attachment 9.1
JERICHO DIAMOND PROJECT
Plant Species by Community

This list outlines vascular plant species typical of each community, based on common occurrence in the plots. Species which can be dominant in each community are starred.

Sedge Community

Arctagrostis latifolia
Betula glandulosa
Calamagrostis neglecta
**Carex aquatilis*
**C. bigelowii*
C. holostoma
**C. membranacea*
**C. rotundata*
C. saxatilis
C. vaginata
**Eriophorum angustifolium*
E. brachyantherum
E. callitrix
**E. scheuchzeri*
Hierochloe alpina
Juncus albescens
**Luzula confusa*
L. wahlenbergii
Oxytropis arctica
O. bellii
O. maydelliana
Pedicularis sudetica
**Potentilla palustris*
**Salix arctica*
S. arctophila
S. fuscescens
**S. glauca ssp. callicarpaea*
S. herbacea
**S. planifolia*
S. reticulata
**S. tyrrellii*
Saxifraga cernua
S. foliolosa
Scirpus caespitosa

In addition, invading members of the heath family (Ericaceae) and others, including *Andromeda polifolia, Rubus chamaemorus, Vaccinium uliginosum, V. vitis-idaea, Ledum decumbens*, and *Polygonum viviparum*.

Birch Communities

**Arctagrostis latifolia*
**Betula glandulosa*
**Calamagrostis inexpansa*
C. neglecta
Carex aquatilis
**C. bigelowii*
**Empetrum nigrum*
**Eriophorum scheuchzeri*
Festuca brachyphylla
Hierochloe alpina
Pedicularis lapponica
Poa arctica
Pyrola grandiflora
Ranunculus lapponicus
Salix arctophila
S. fuscescens
**S. glauca*
S. herbacea
**S. planifolia*
S. tyrellii
Saxifraga cernua
Stellaria monantha

Plus assorted heaths: *Arctostaphylos rubra, Cassiope tetragona, Vaccinium uliginosum, V. vitis-idaea, Ledum decumbens*.

Heath Tundra Community

Antennaria angustata
Arctagrostis latifolia
Arctostaphylos alpina
A. rubra
**Astragalus alpina*
**Betula glandulosa*
**Calamagrostis inexpansa*
Carex bigelowii
C. glacialis
**C. membranacea*
C. nardina
**C. rotundata*
C. rupestris
C. vaginata
**Cassiope tetragona*
Diapensia lapponicum
Dryas integrifolia
**Empetrum nigrum*
Eriophorum scheuchzeri
**Hierochloe alpina*
**Ledum decumbens*
**Loiseleuria procumbens*
**Luzula confusa*
Oxytropis arctica
O. maydelliana
**Poa arctica*
Polygonum viviparum
Rhododendron lapponicum
Rubus chamaemorus
Saussaurea angustifolia
**Salix arctica*
**S. glauca*
S. herbacea
S. reticulata
S. tyrrellii
Saxifraga oppositifolia
S. punctata
Tofieldia coccinea
T. pusilla
Trisetum spicatum
**Vaccinium uliginosum*
**V. vitis-idaea*

Snowbank Community

**Anemone richardsonii*
Antennaria eckmaniana
Betula glandulosa
**Cassiope tetragona*
Carex aquatilis
C. bigelowii
Eriophorum brachyantherum
**Hierochloe alpina*
**Kalmia polifolia*
**Ledum decumbens*
**Oxyria digyna*
Pedicularis lapponica
**Phyllodoce coerula*
Poa arctica
Rubus chamaemorus
**Salix herbacea*
Saxifraga nivalis
S. punctata
Sibbaldia procumbens
Silene acaulis
Trisetum spicatum
Vaccinium uliginosum
V. vitis-idaea
Viola epipsala ssp. *repens*

Avens Association

Arctostaphylos alpina
**Astragalus alpinus*
Carex bigelowii
C. capillaris
C. scirpoidea
Cerastium sp.
Deschampsia caespitosa
**Dryas integrifolia*
**Oxytropis arctica*
Poa arctica
**Rhododendron lapponicum*
Salix arbusculoides
**S. arctophila*
**S. glauca*
**S. herbacea*
S. reticulata
Saxifraga oppositifolia
Stellaria sp.
Tofieldia pusilla
Vaccinium uliginosum
V. vitis-idaea

Lichen-rock communities

Since lichens dominate these communities, they have been included here.

On rocks:

Alectoria sp.
Aspicilea cinerea
**Arctoparmelia centrifuga*
A. incurvata
Dryopteris fragrans
**Haematomma lapponicum*
Parmelia omphalodes
Pseudephebe minuscula
P. pubescens
**Rhizocarpon geminatum*
**R. geographicum*
Saxifraga nivalis
S. tricuspidata
Tremolecia atrata
**Umbilicaria* sp.
Xanthoria elegans

Between boulders:

Alectoria nigricans
A.ochroleuca
Calamagrostis neglecta
Carex glacialis
**Cetraria islandica*
C. nivalis
**Cladina rangiferina*
**C. stellaris*
Cladonia cervicornis
C. coccifera
C. cornuta
C. uncialis
**Empetrum nigrum*
Hierochloe alpina
Ledum decumbens
Thamnolia subuliformis
Vaccinium uliginosum
V. vitis-idaea

Ridge Complex

Crest:

Antennaria sp.
Arctagrostis latifolia
**Arctostaphylos alpina*
Astragalus alpinus
Calamagrostis purpurescens
Carex bigelowii
C. glacialis
C. supina
Draba glabella
D. lactea
**Dryas integrifolia*
**Empetrum nigrum*
Festuca brachyphylla
Ledum decumbens
Minuartia rubella
Oxytropis arctica
Potentilla nivea
Salix tyrellii
**Saxifraga tricuspidata*
**Silene acaulis*
**Trisetum spicatum*
**Vaccinium vitis-idaea*
**V. uliginosum*

Lee slope:

Antennaria sp.
**Arctagrostis latifolia*
**Betula glandulosa*
Carex aquatilis
C. bigelowii
**C. membranacea*
**Cassiope tetragona*
**Empetrum nigrum*
Eriophorum angustifolium
E. callitrix
**Hierochloe alpina*
**Ledum decumbens*
Poa arctica
Pyrola grandiflora
**Vaccinium uliginosum*
V. vitis-idaea

Windward slope:

See heath tundra.

Transitional Association: Hummock Association

**Andromeda polifolia*
**Arctogrostis latifolia*
Arctostaphylos rubra
Astragalus alpinus
**Betula glandulosa*
Carex arctogena
C. bigelowii
C. rotundata
C. vaginata
Cassiope tetragona
**Eriophorum scheuchzeri*
Hierochloe alpina
**Ledum decumbens*
Luzula nivalis
Pedicularis labradorica
P. lapponica
Polygonum viviparum
**Rubus chamaemorus*
Salix arctophila
S. fuscescens
**Vaccinium uliginosum*
**V. vitis-idaea*

A variety of mosses are also dominant in this community.

Disturbed Sites; Animal Den Sites

Antennaria spp.
**Arctophila latifolia*
**Calamagrostis inexpansa*
C. neglecta
Draba nivalis
Dryas integrifolia
Festuca brachyphylla
**Poa arctica*
Potentilla hyparctica
P. nivea
Salix glauca
**Stellaria monantha*
**Vaccinium uliginosum*
**V. vitis-idaea*

ATTACHMENT 12.1

COSEWIC RARE, THREATENED AND ENDANGERED SPECIES LIST

Summary of the full list of Canadian Species at Risk*: risk status according to taxonomic group / Sommaire de la liste complète des espèces canadiennes en péril : statut de risque selon le groupe taxinomique.

Status / Statut	Mammals / Mammifères	Birds / Oiseaux	Reptiles / Reptiles	Amphibians / Amphibiens	Fishes / Poissons	Lepidopterans / Lépidoptères	Molluscs / Mollusques	Plants / Plantes vasculaires	Mosses / Mousses	Lichens / Lichens	Total
Extinct / Disparue	2	3			5		1		1		**12**
Extirpated / Disparue du Canada	4	2	4	1	2	3	2	2	1		**21**
Endangered / En voie de disparition	19	21	5	5	18	4	9	54	4	2	**141**
Threatened / Menacée	15	8	11	5	20	2	1	36	1		**99**
Special Concern / Préoccupante	23	22	10	8	32	2	1	40		4	**142**
Total	**63**	**56**	**30**	**19**	**77**	**11**	**14**	**132**	**7**	**6**	**415**

***Species in at-risk categories include those designated as Extinct, Extirpated, Endangered, Threatened and Special Concern / Les espèces dans les catégories de risque comprennent celles désignées comme disparues, disparues du Canada, en voie de disparition, menacées et préoccupantes.**

Summary of Data Deficient and Not at Risk species that have been examined by COSEWIC, according to taxonomic group / Sommaire des espèces se trouvant dans les catégories « non en péril » et « données insuffisantes » qui ont été étudiées par le COSEPAC selon le groupe taxinomique.

Taxonomic Group / Groupe taxinomique	Not at Risk / Non en péril	Data Deficient / Données insuffisantes
Mammals / Mammifères	46	8
Birds / Oiseaux	35	2
Reptiles / Reptiles	4	2
Amphibians / Amphibiens	12	
Fishes / Poissons	32	8
Molluscs / Mollusques	1	2
Plants / Plantes vasculaires	16	4
Lichens / Lichens		2
Total	**146**	**28**