

WATER QUALITY OBSERVATION PROGRAM

OTTY LAKE 1972 – 2002

ADDENDUM.3

Lorne Gold

The addendum to the full report contains figures showing characteristics of the 32 stations that are considered to be visually instructive for the interpretation of the results of the analysis of thirty years of measurement of the fecal count. It has four sections, the titles of which are given below. Addendum.2, Addendum.3, and Addendum.4 include a table giving the values plotted in each respective set of figures. Addendum.1 presents lognormal probability plots for all the fecal counts for each station. This set of 5,493 counts is held by the Otty Lake Association.

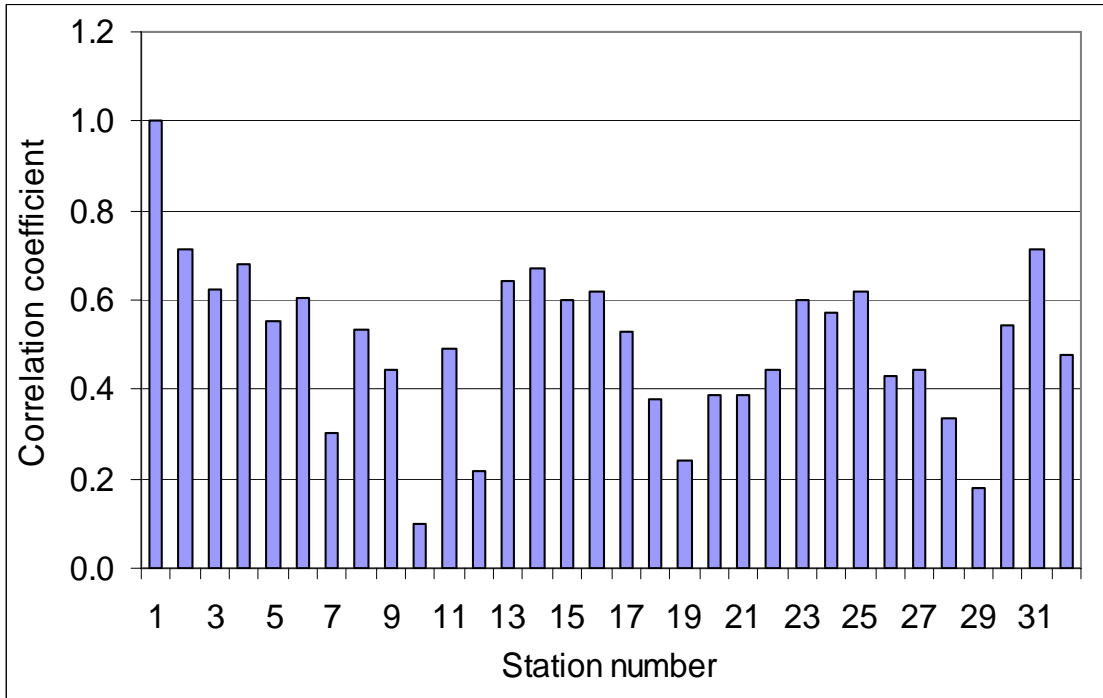
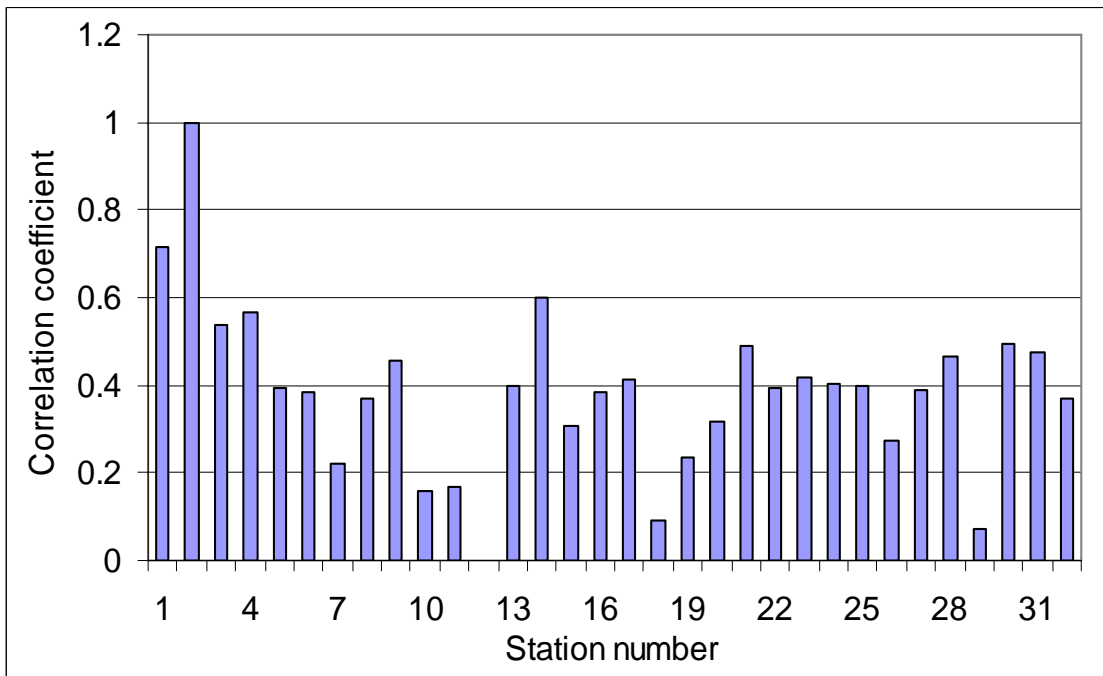
The table with this addendum presents the correlation coefficients between stations. As the correlation between station x and station y is the same as that between station y and station x, the values that would be above the diagonal are the mirror image of those below. The value, 1, on the diagonal is the correlation of each respective station with itself.

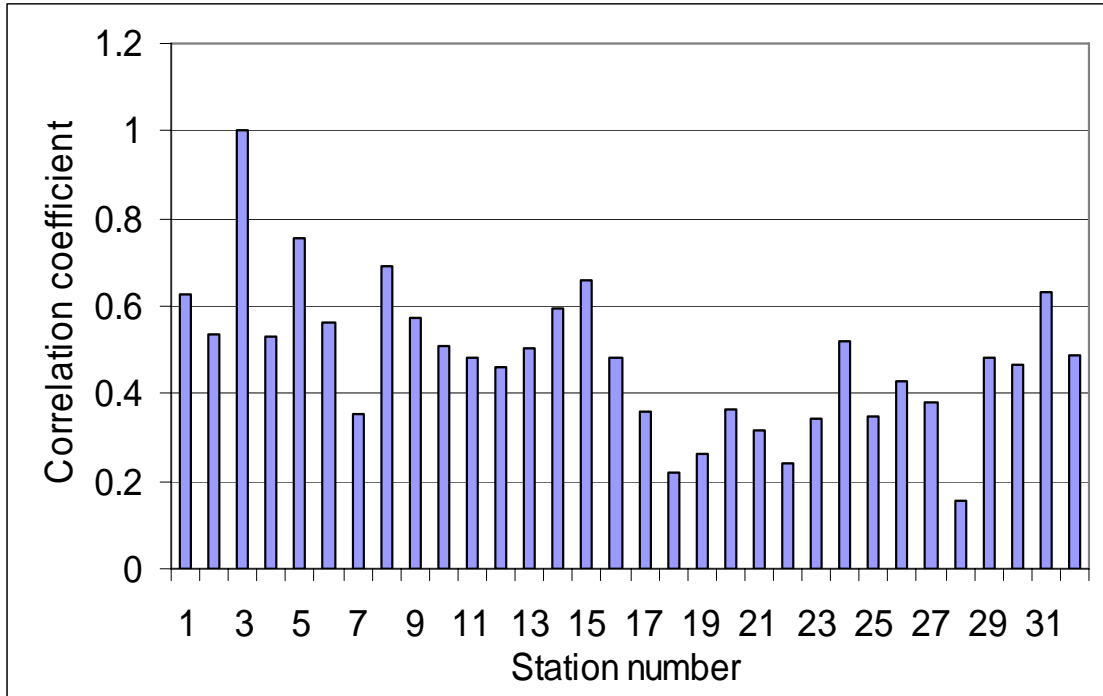
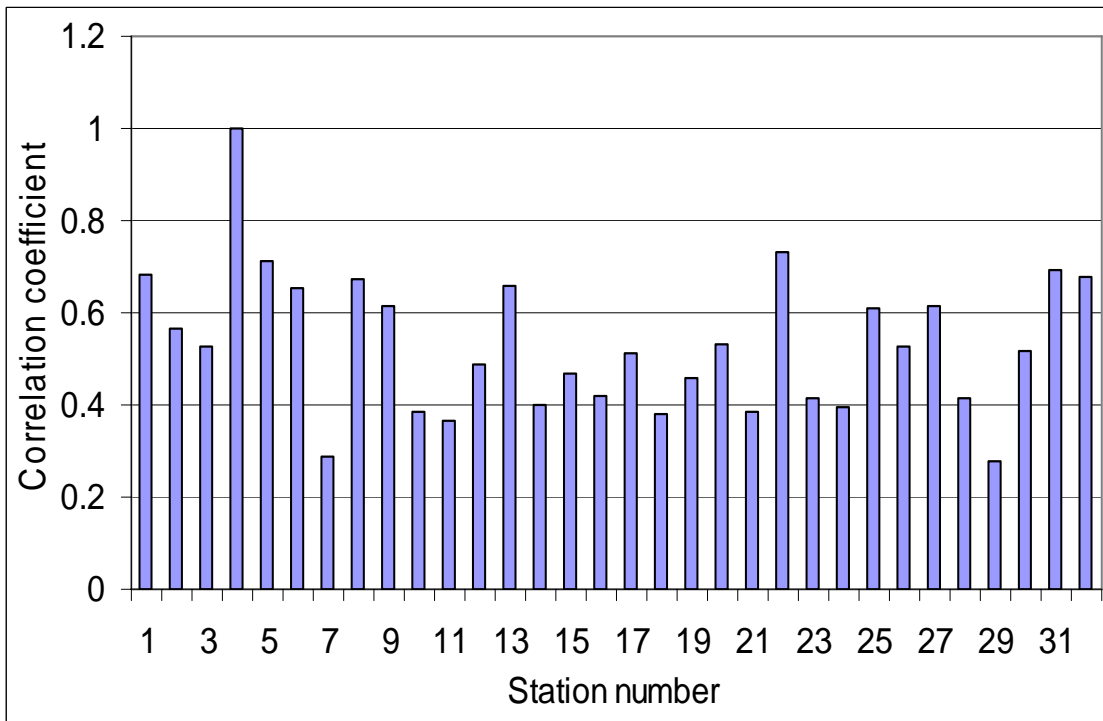
Addendum.1 Lognormal probability plots of the measured fecal counts for each station.

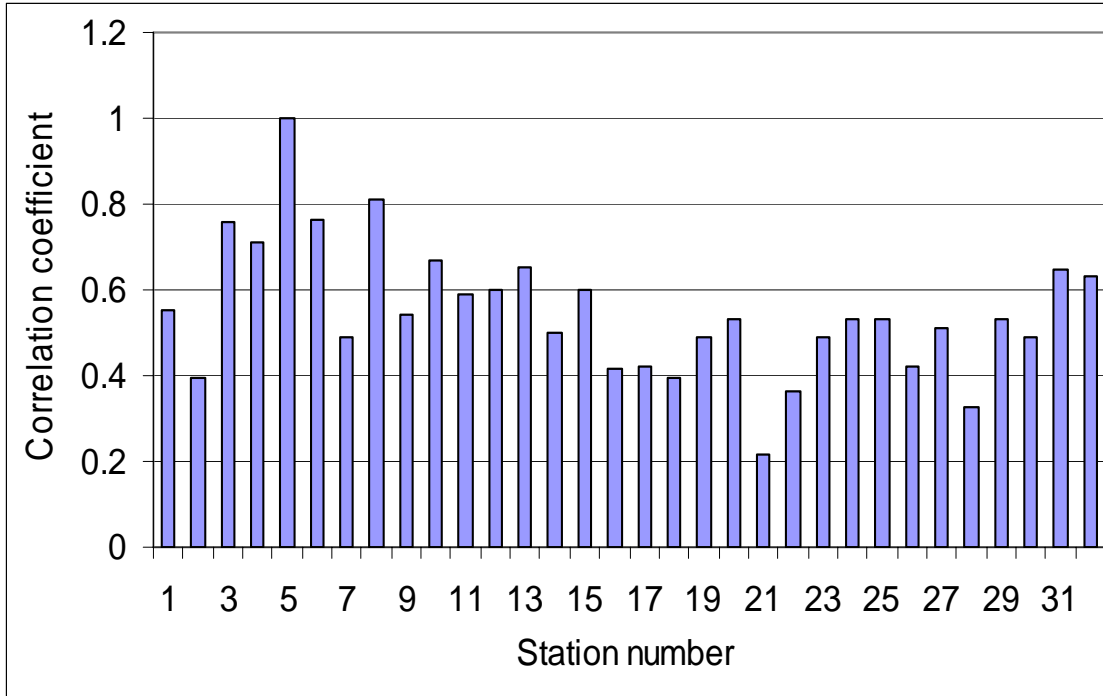
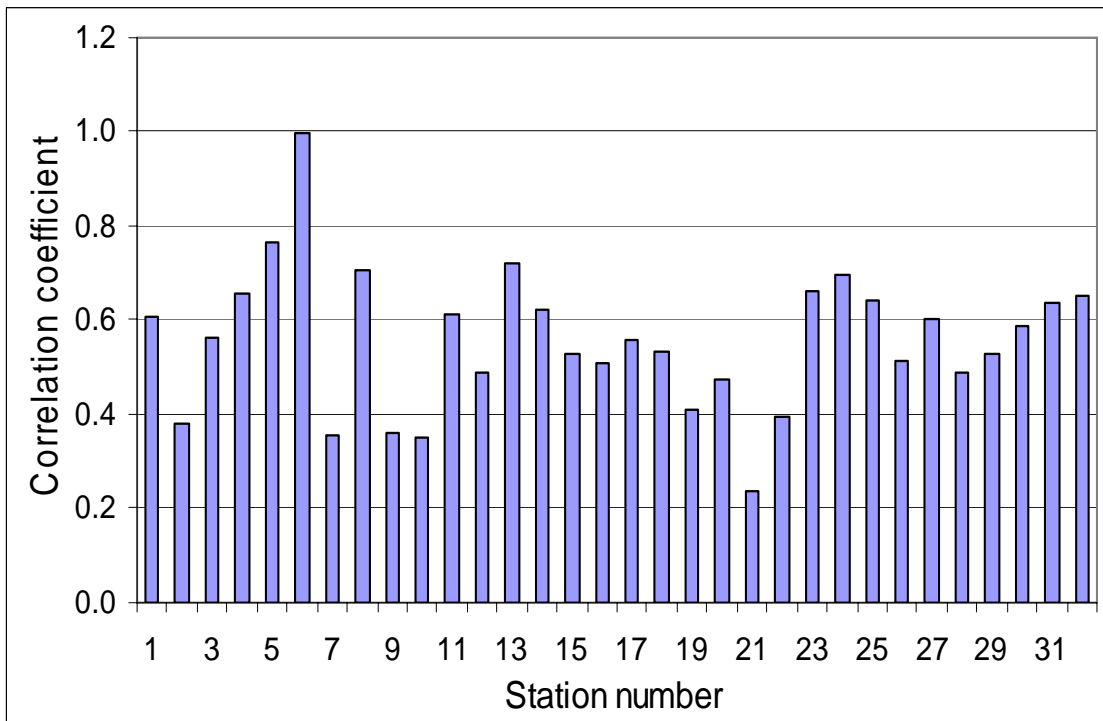
Addendum.2 Plots showing the dependence of the annual average lognormal fecal count on years for each station.

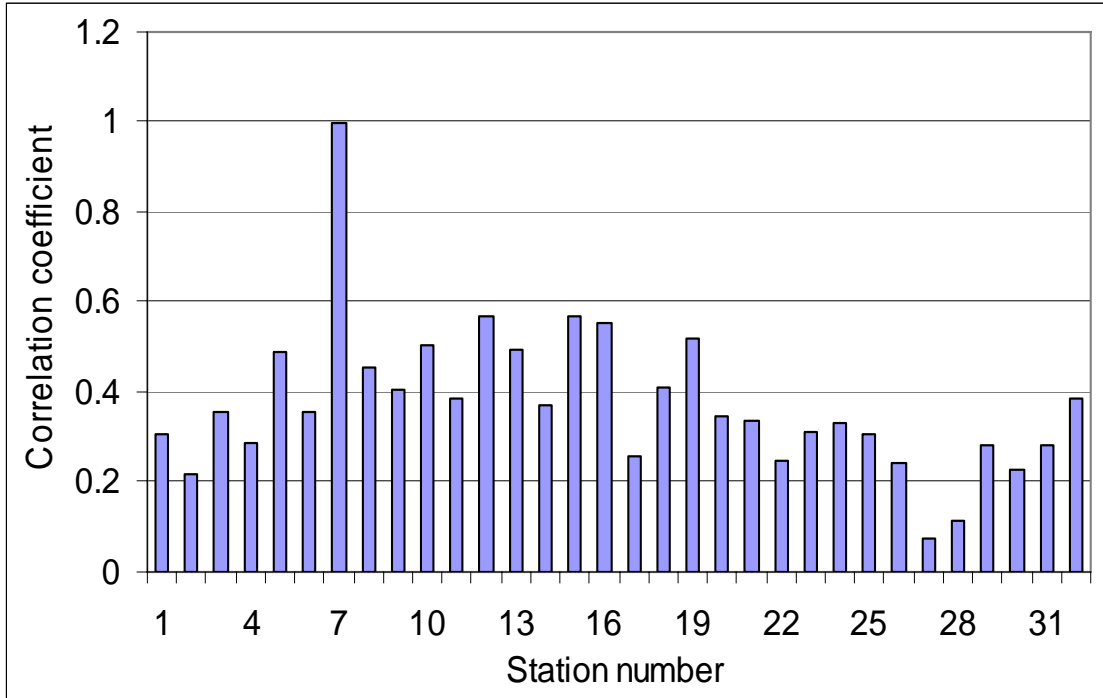
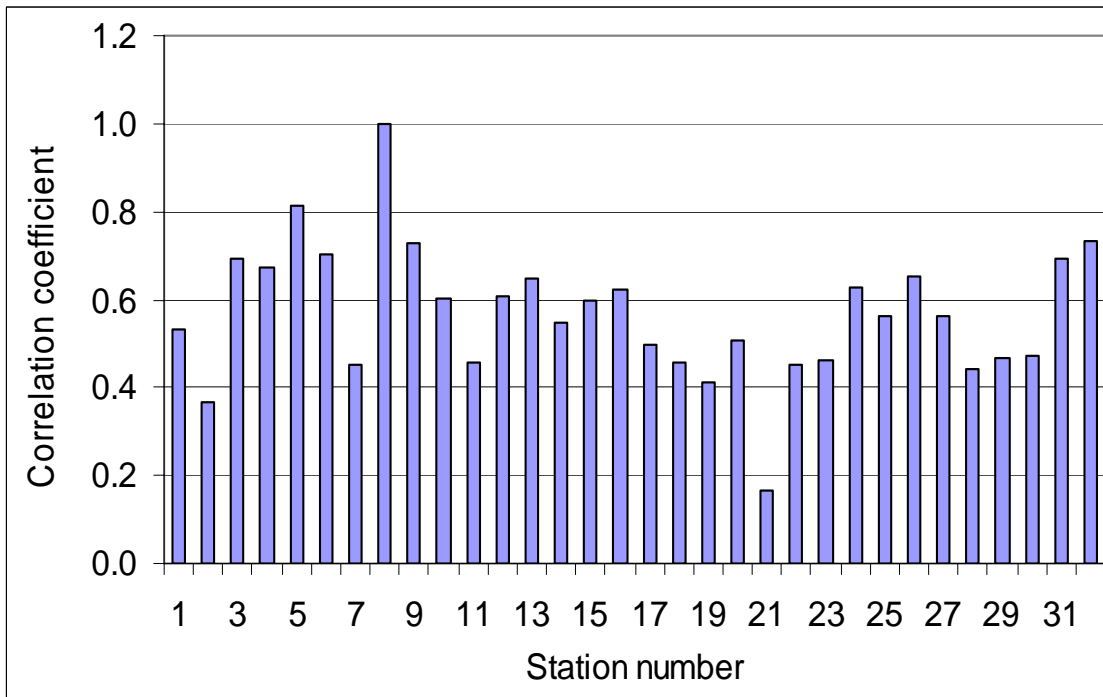
Addendum.3 Bar charts showing the correlation of the station annual average lognormal fecal counts for the 30-year period with the corresponding values for all the other stations.

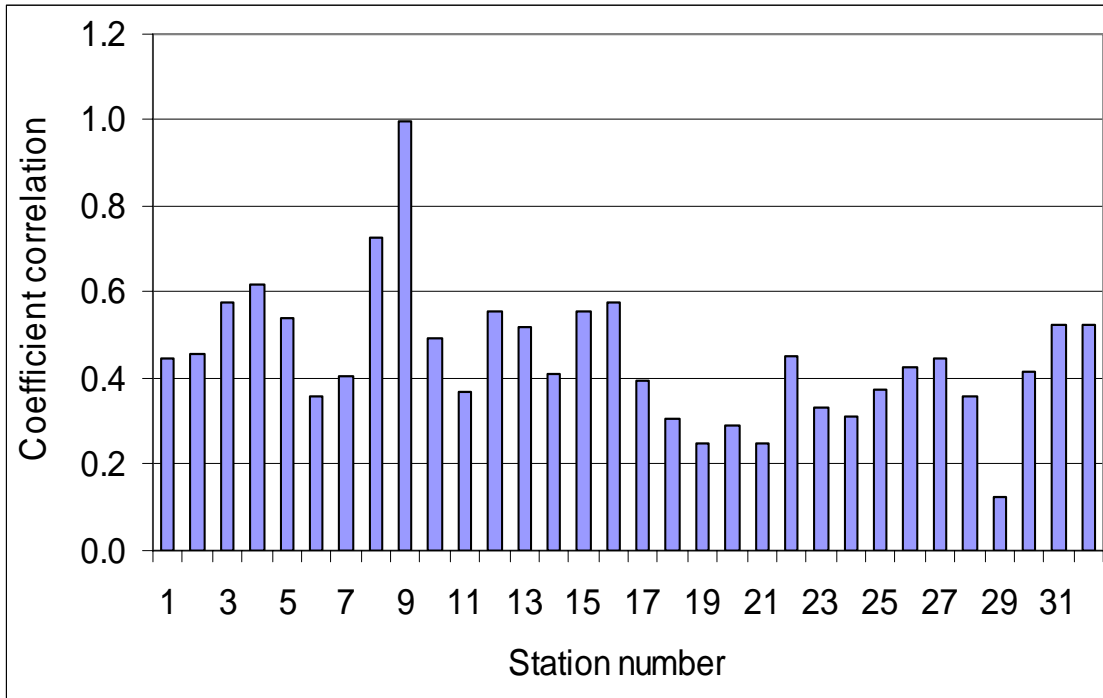
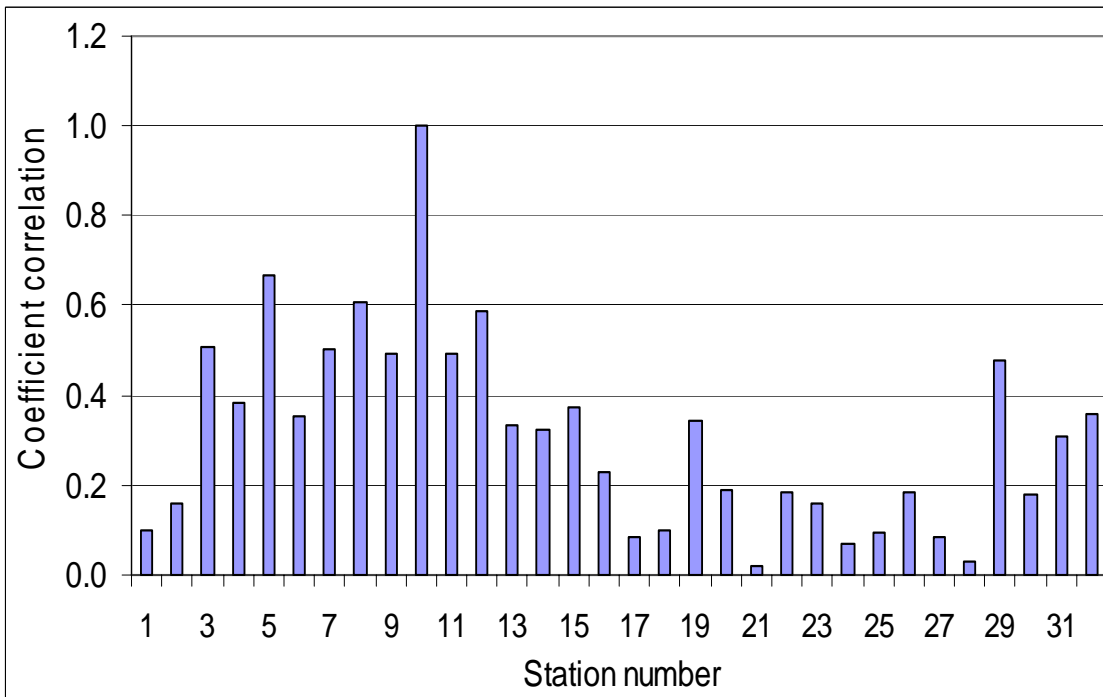
Addendum.4 Bar charts showing the correlation between the station annual average lognormal fecal counts for a given year with the corresponding values for all other years.

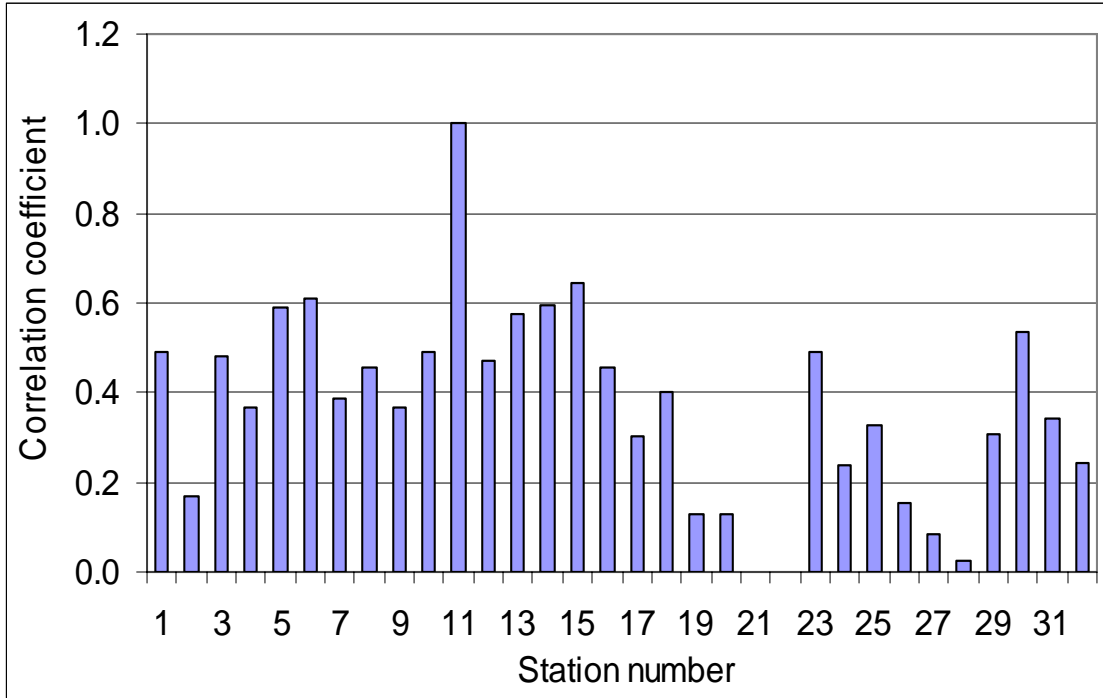
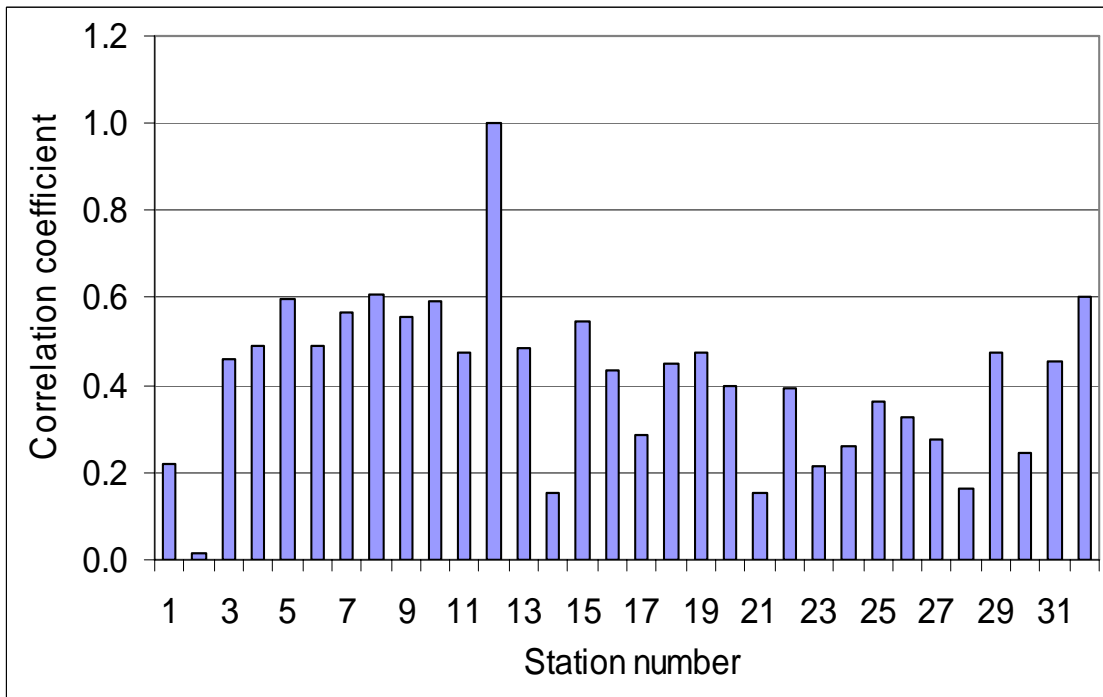
**Station 1****Station 2**

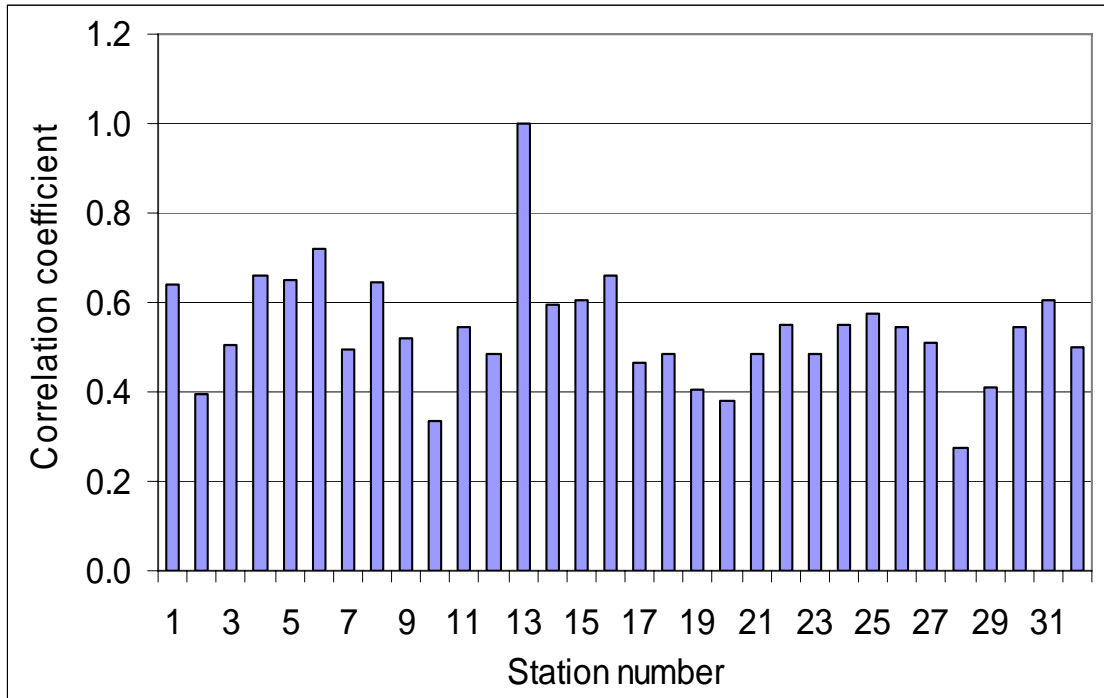
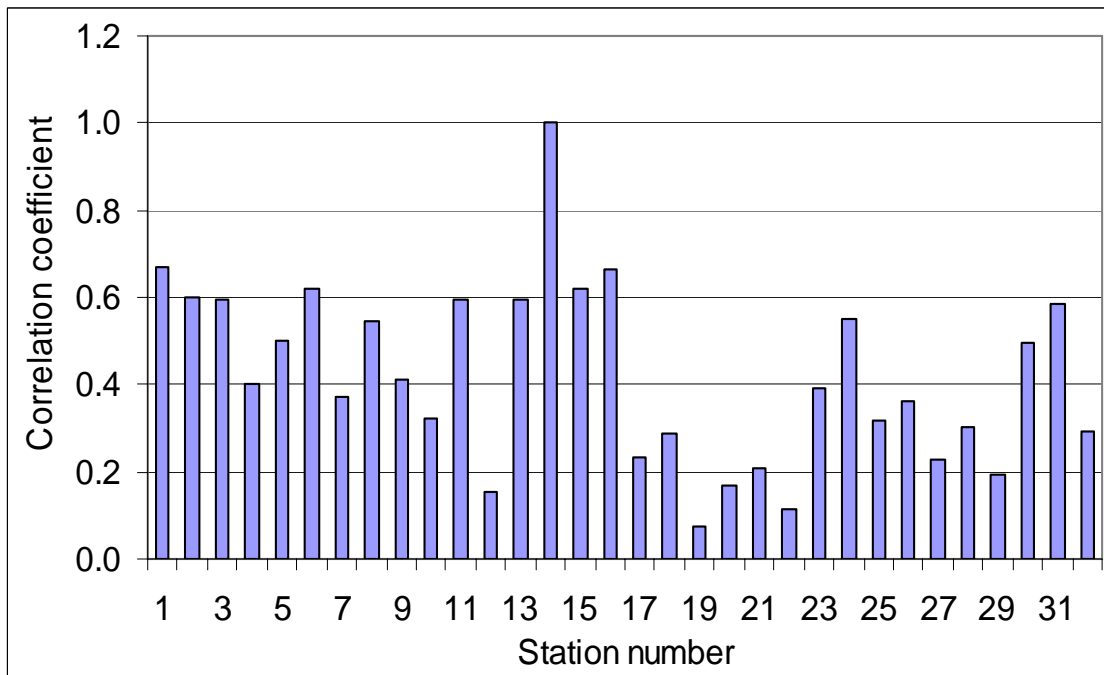
**Station 3****Station 4**

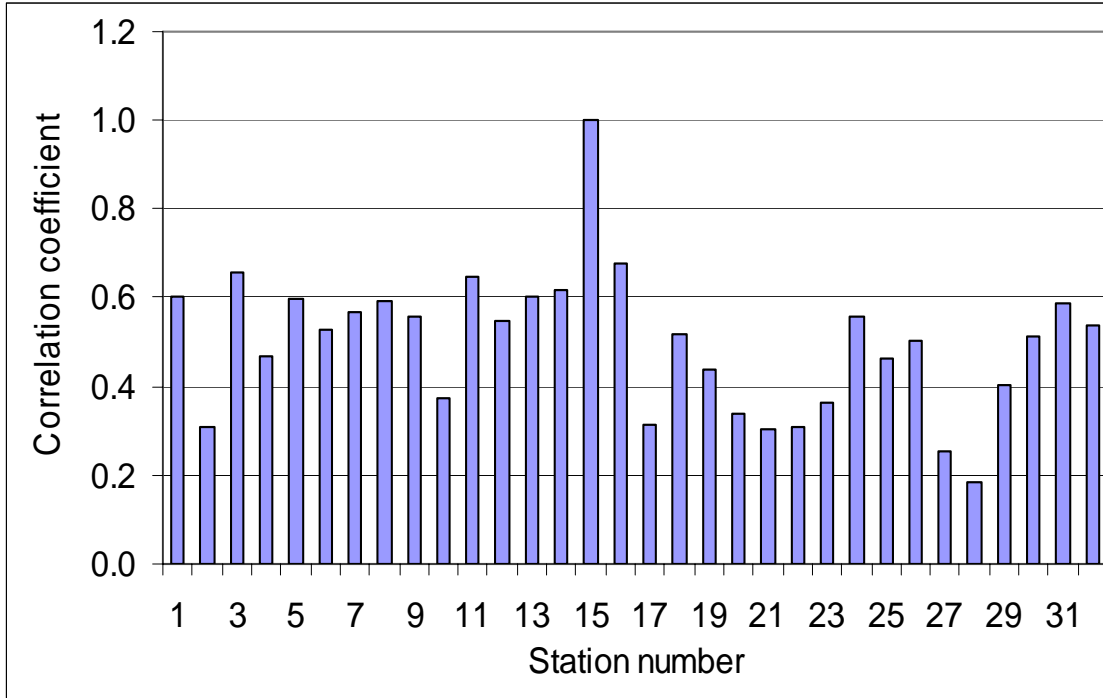
**Station 5****Station 6**

**Station 7****Station 8**

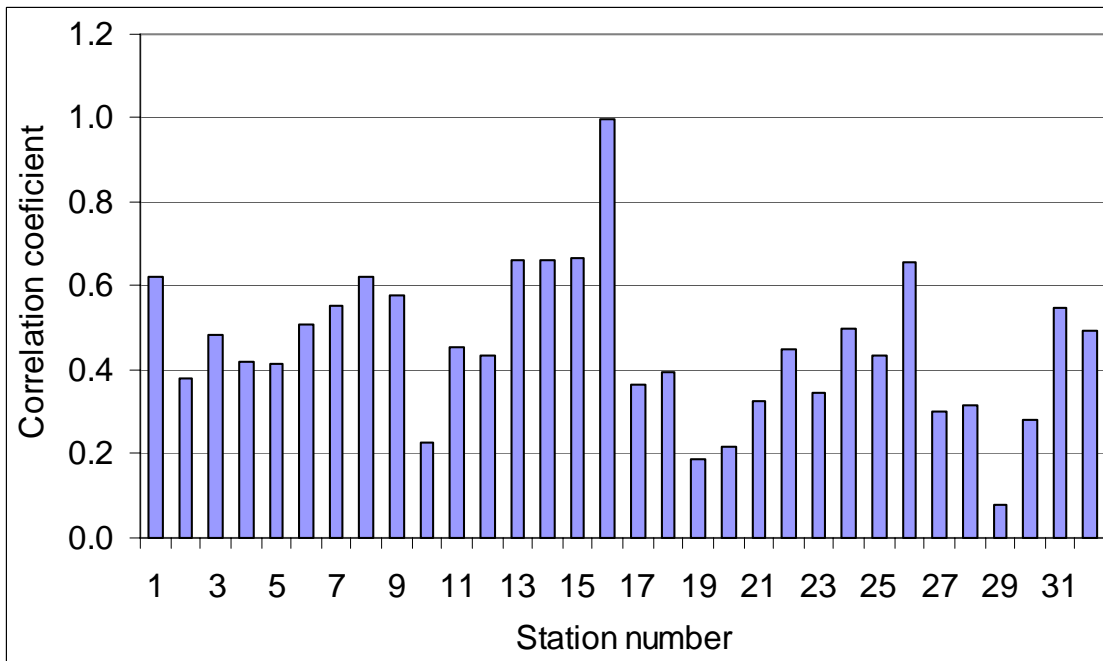
**Station 9****Station 10**

**Station 11****Station 12**

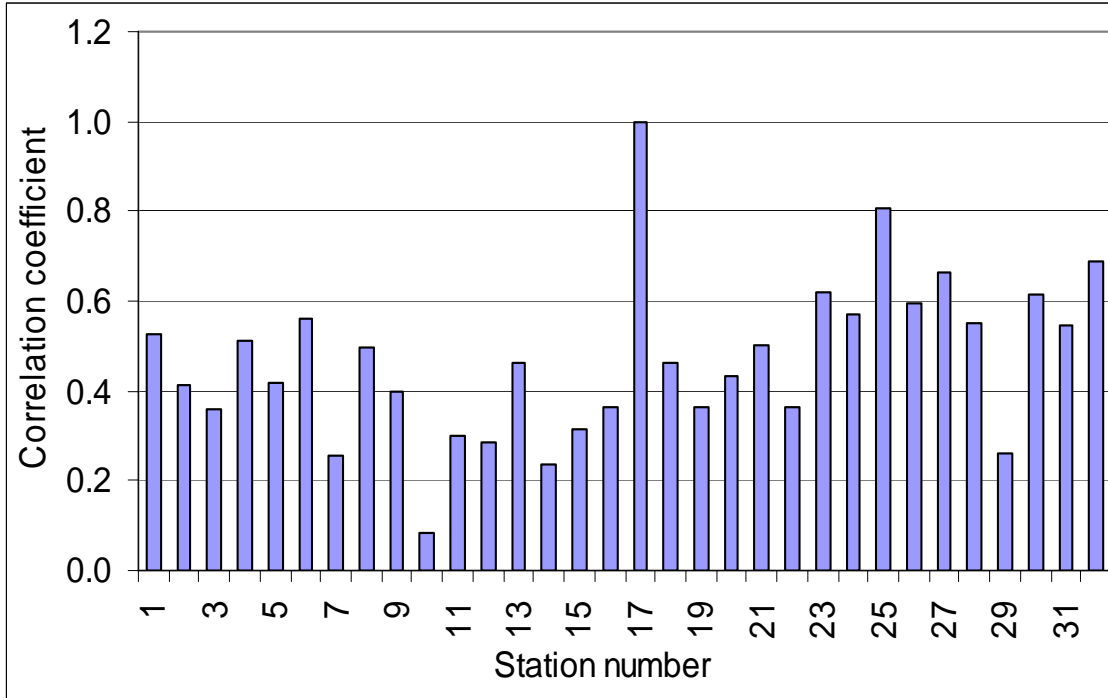
**Station 13****Station 14**



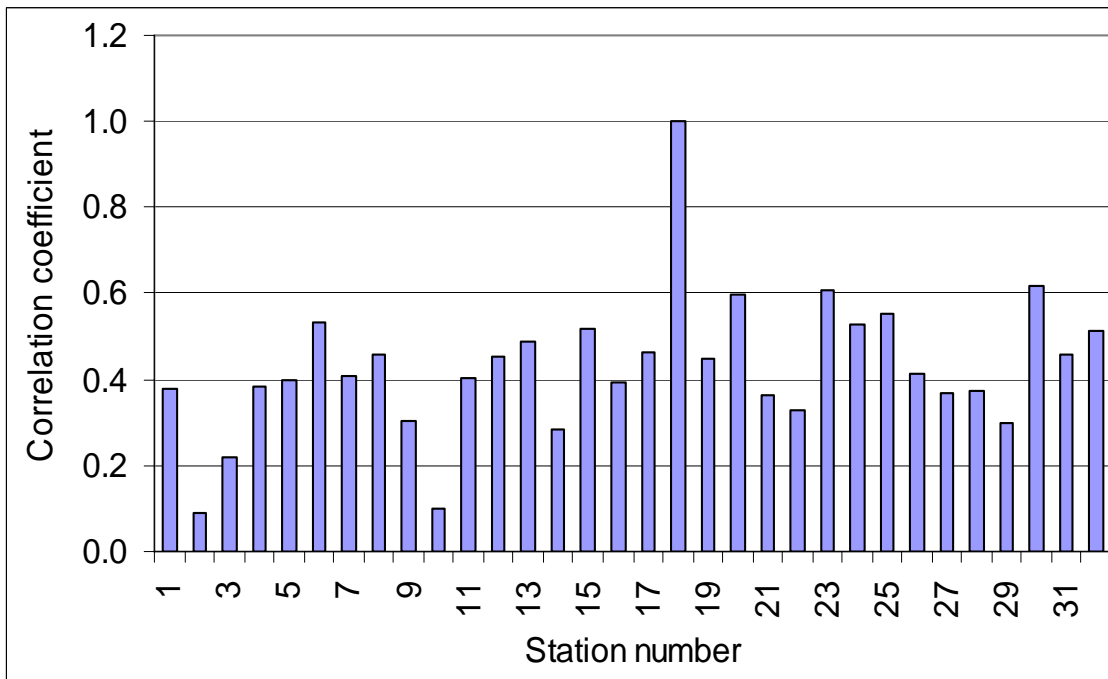
Station 15



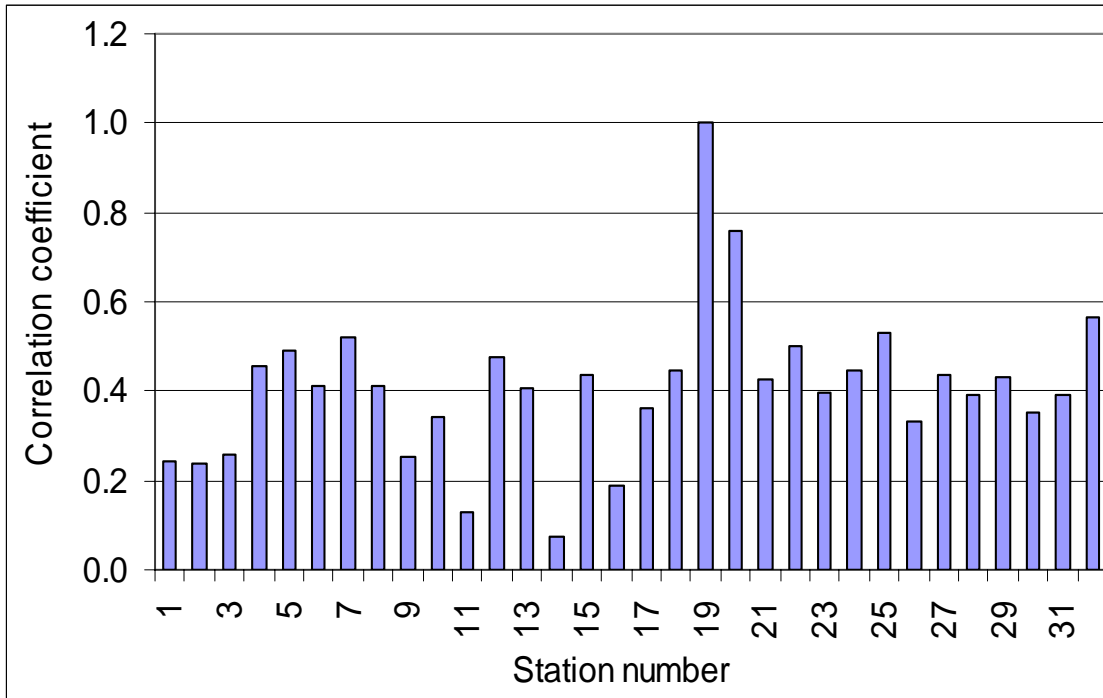
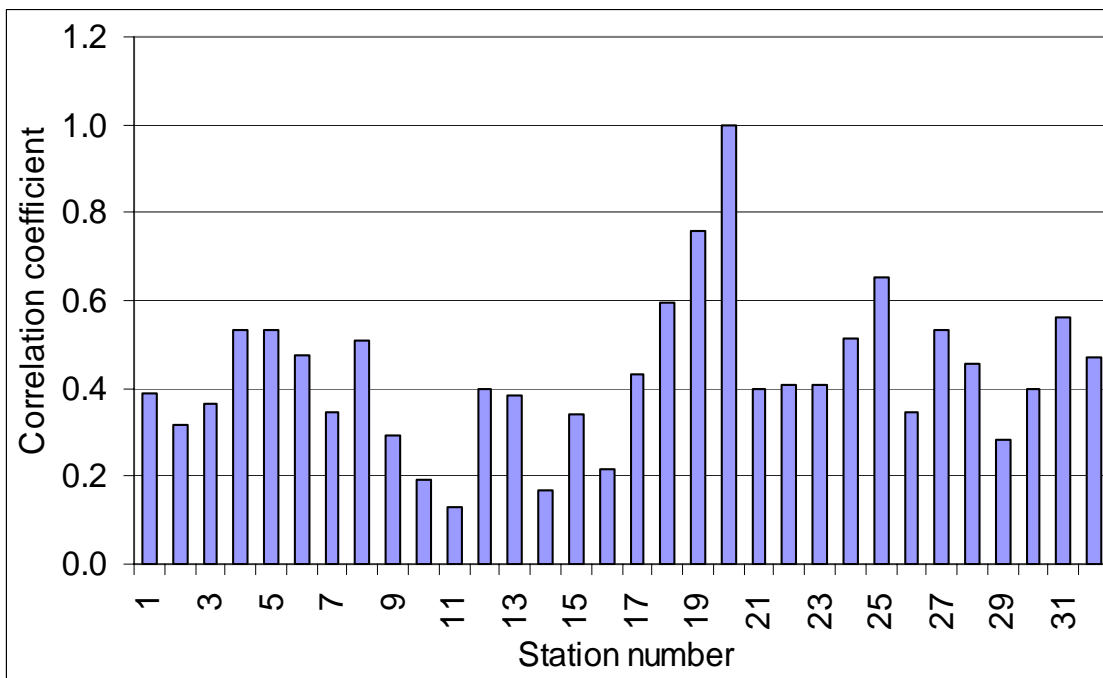
Station 16

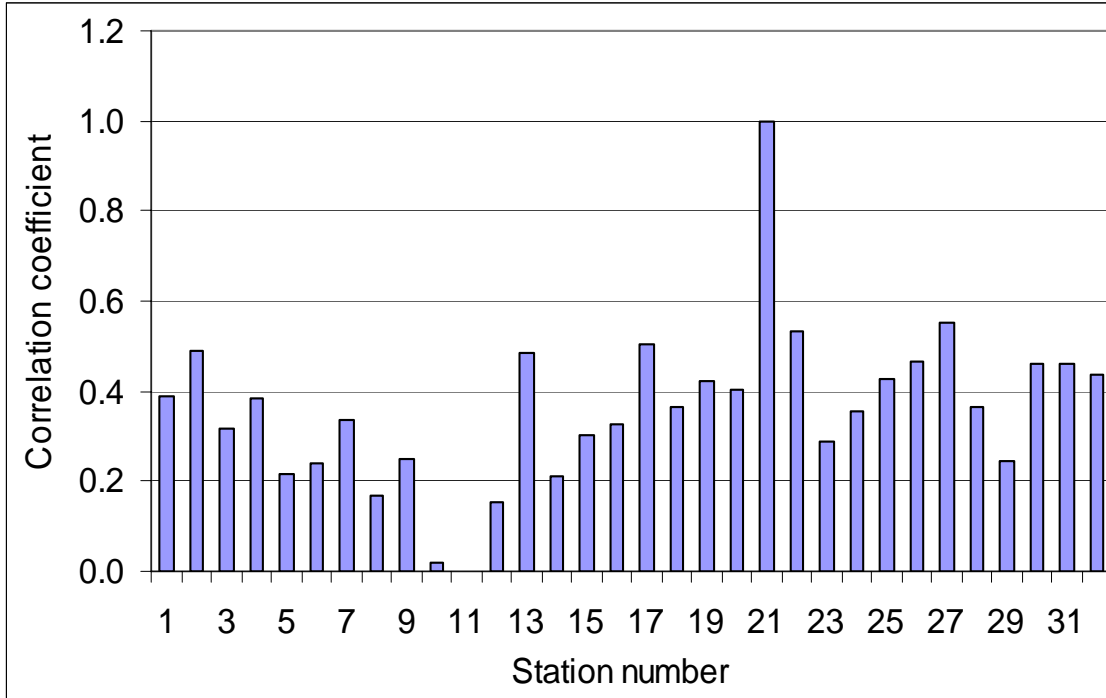
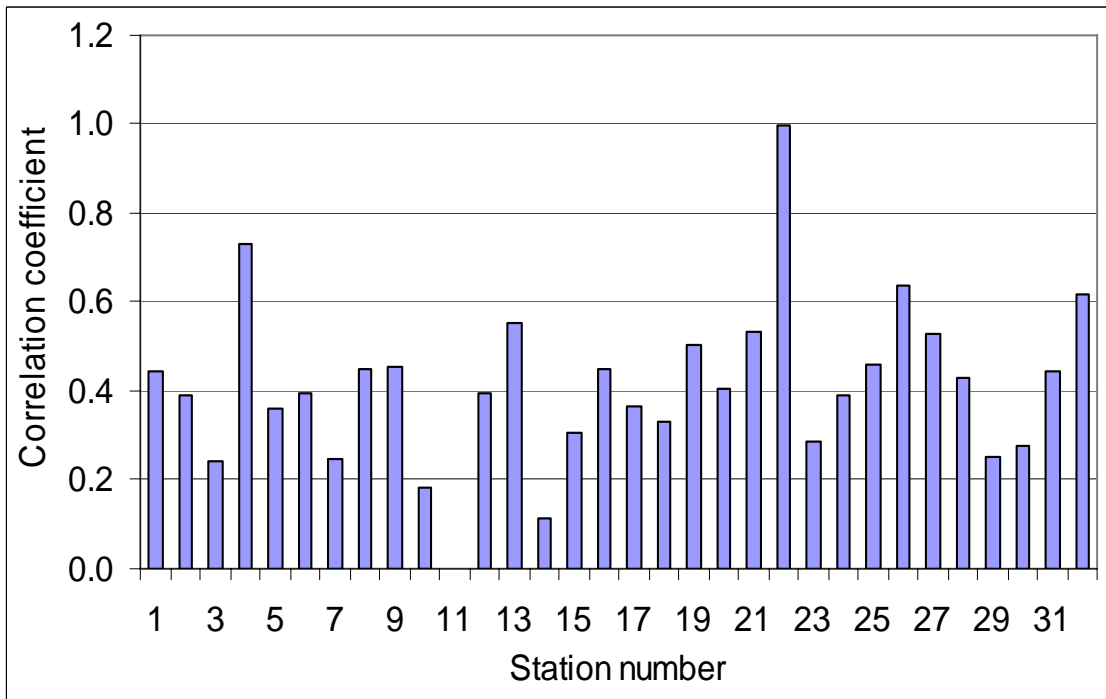


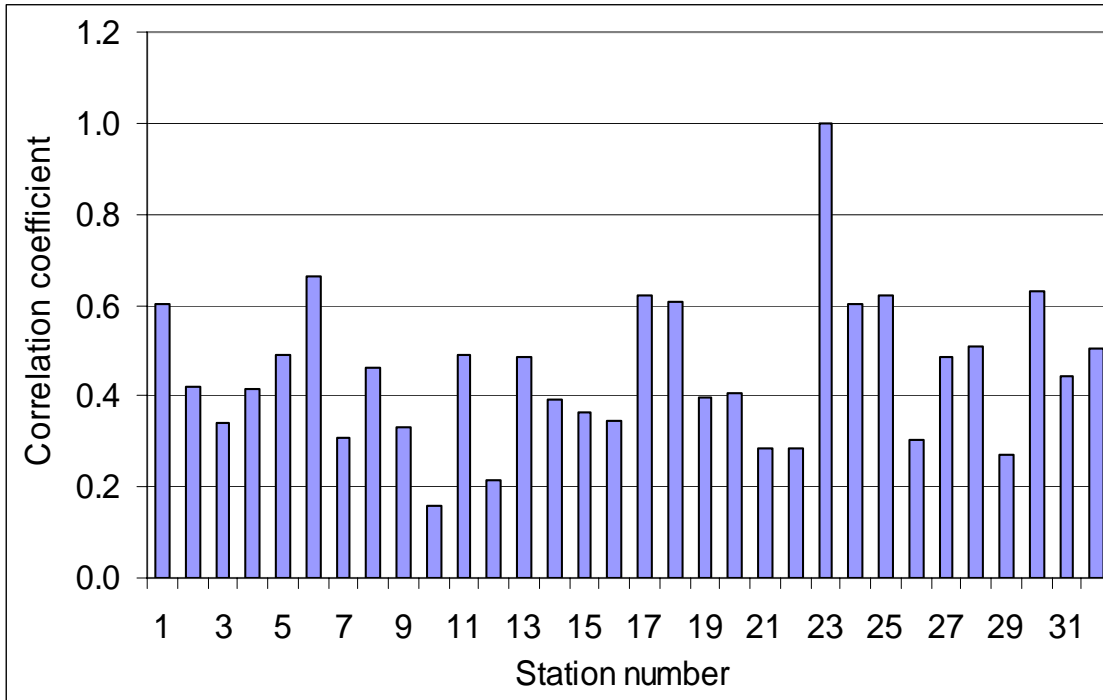
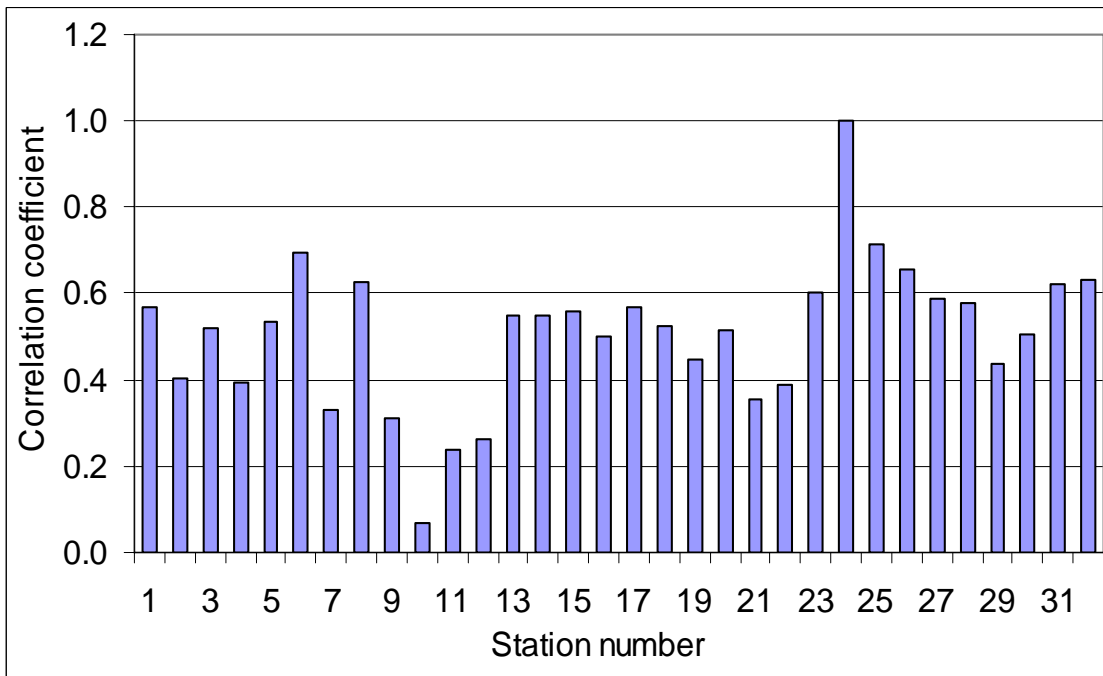
Station 17

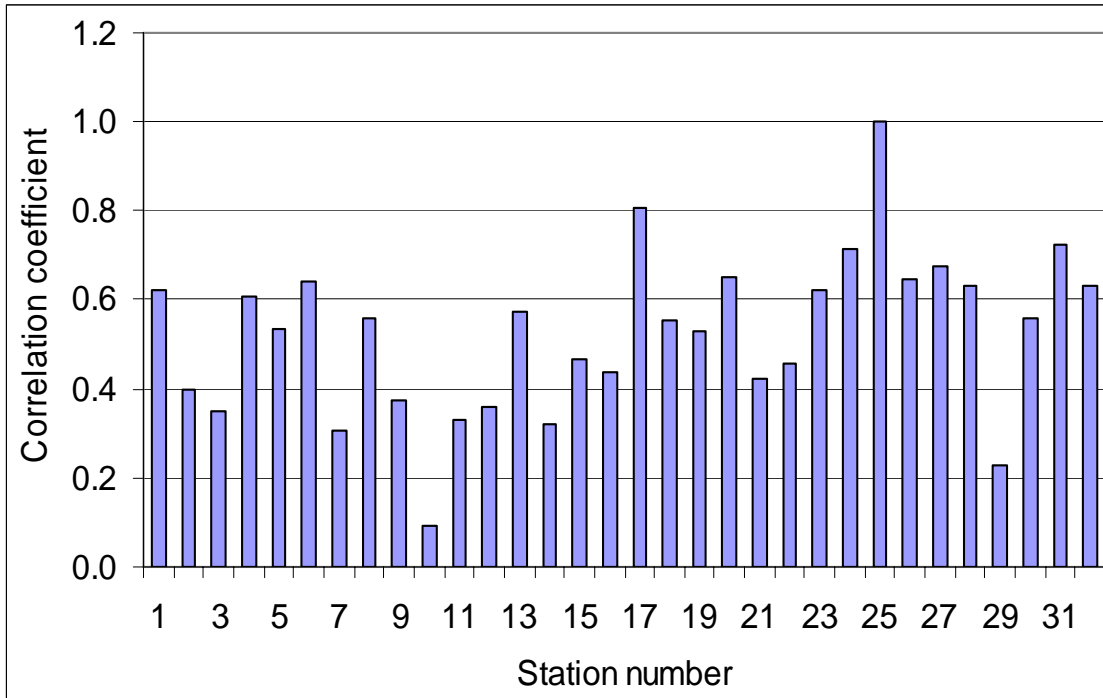
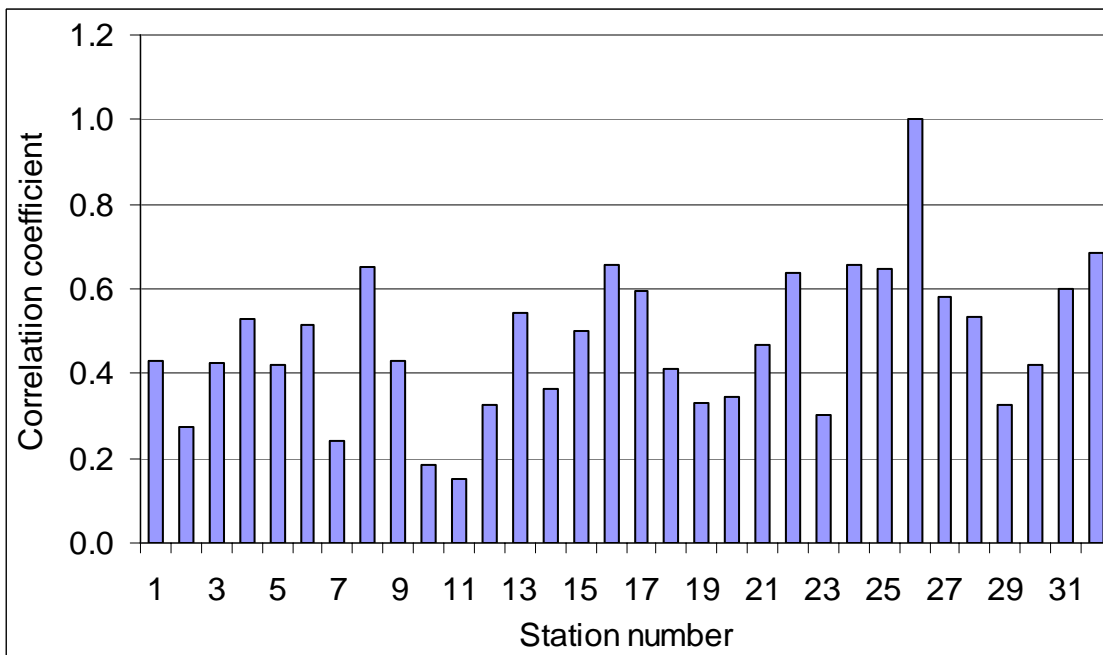


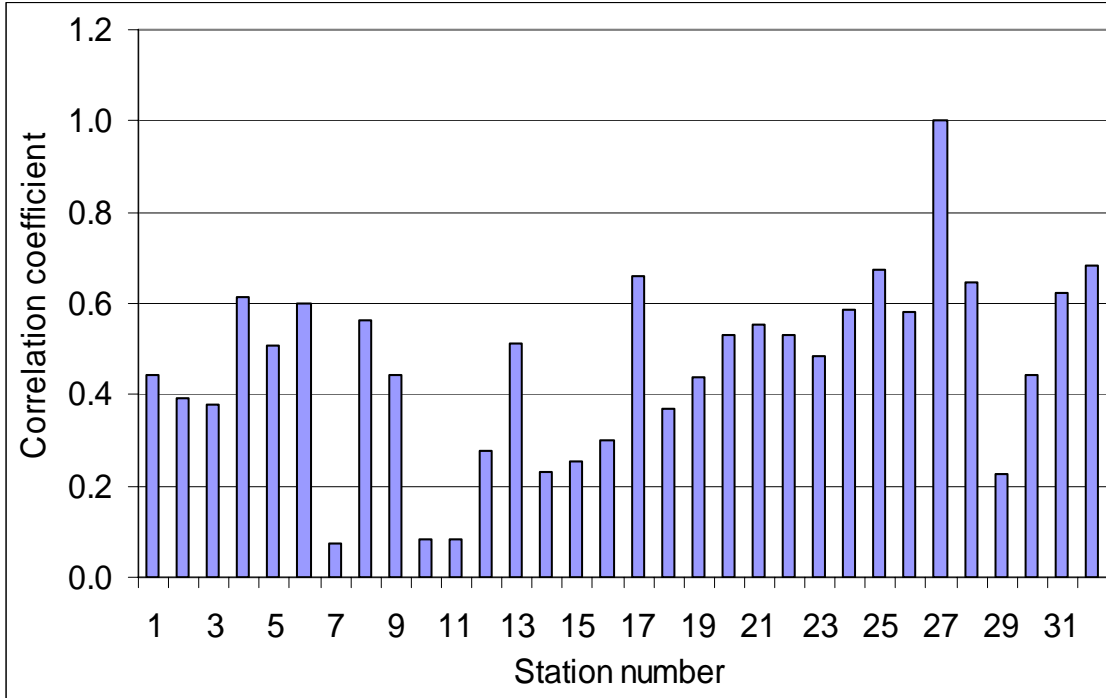
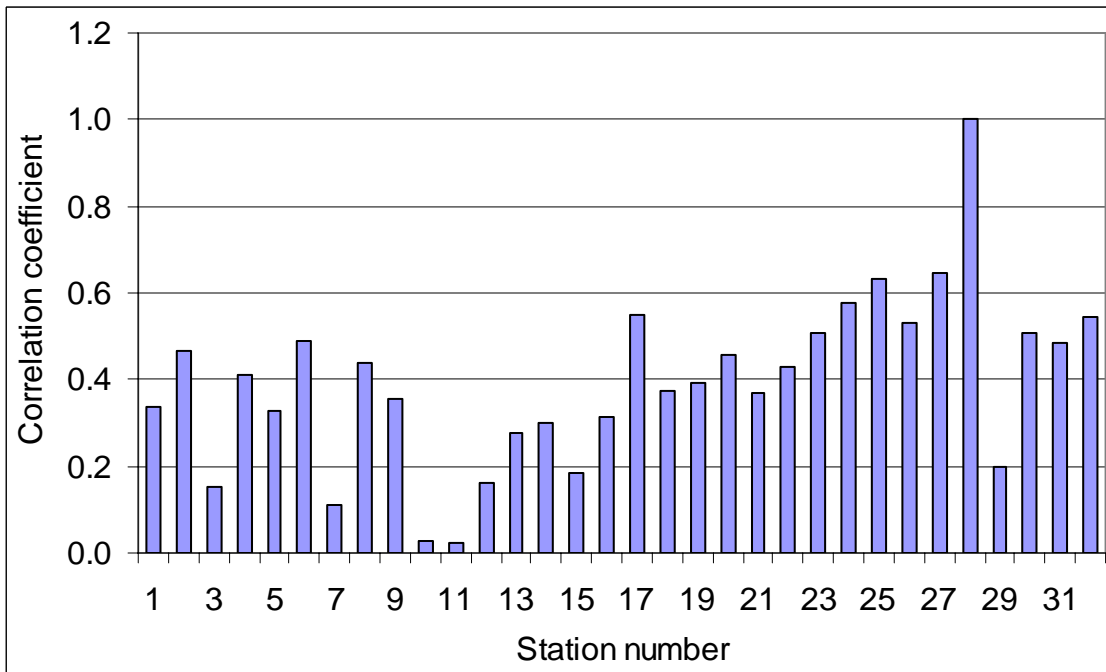
Station 18

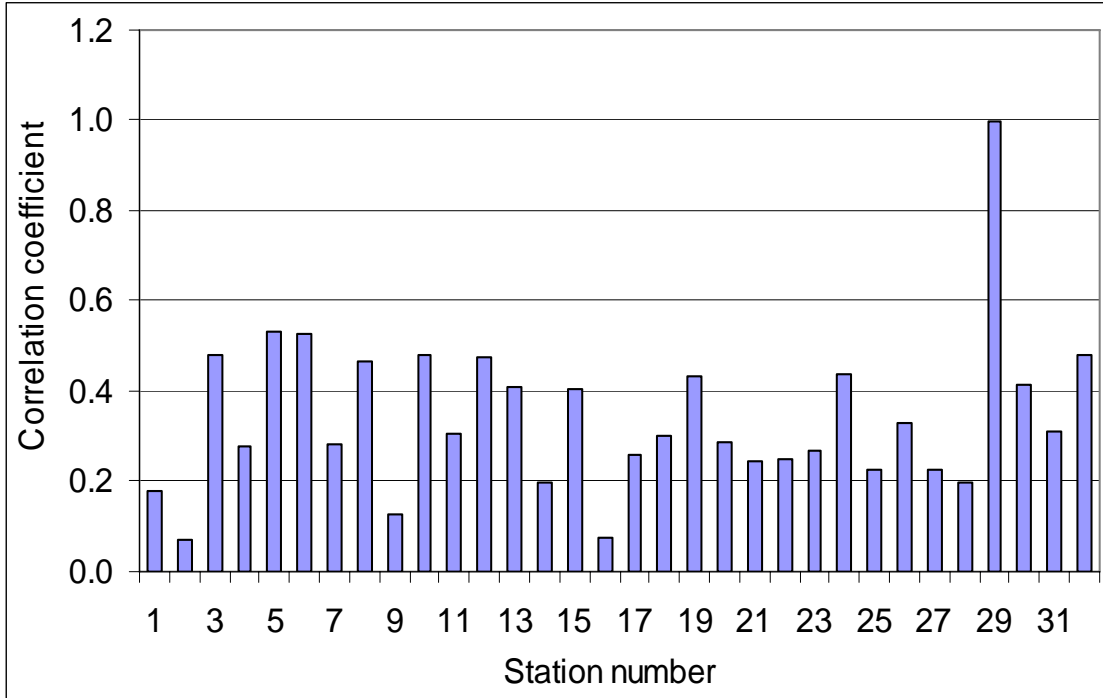
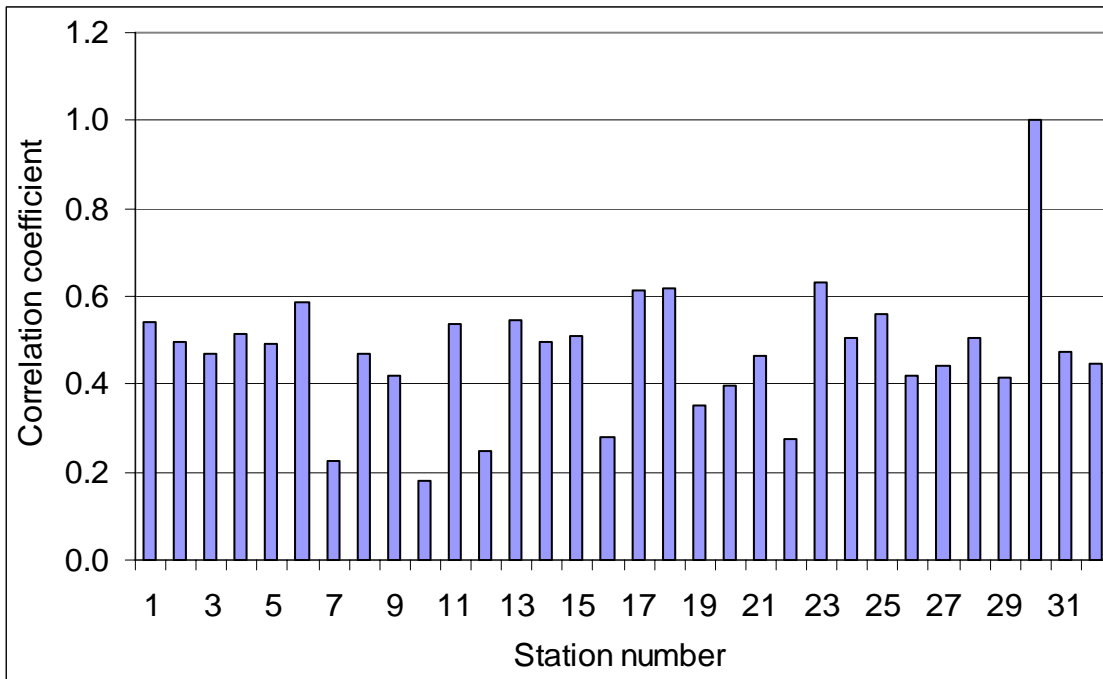
**Station 19****Station 20**

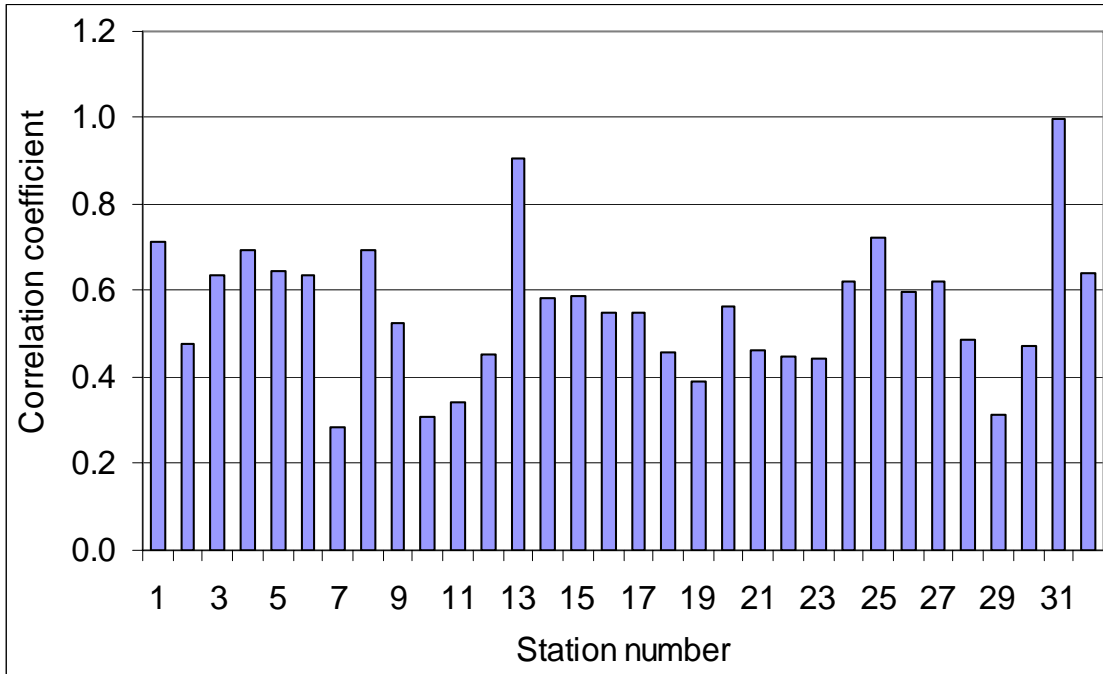
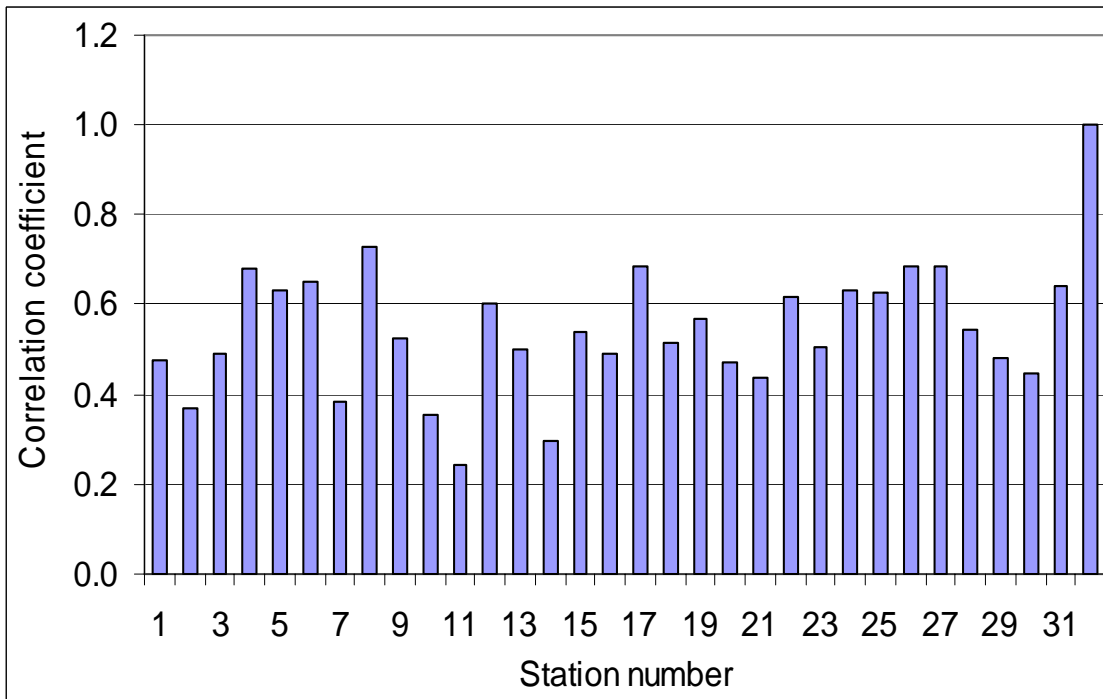
**Station 21****Station 22**

**Station 23****Station 24**

**Station 25****Station 26**

**Station 27****Station 28**

**Station 29****Station 30**

**Station 31****Station 32**