

FIG. 2-6
TDS ISOGRAMS
BY THE PAST STUDIES

TOP:
 TDS Isograms in 1993
 by the World Bank's
 Master Plan

LEFT:
 TDS Isograms in 1981
 by the Republic
 Engineering Corporation

FIG. 2-7
TDS ISOGRAMS ESTIMATED IN
THE PROJECT AREA (2003)

LEGEND

- WASA's existing tubewells
- Agricultural wells(water analysis by WASA)
- Agricultural wells(field test by the study)
- 869 TDS analyzed by WASA
- 550 TDS converted from EC at field test
- TDS isograms

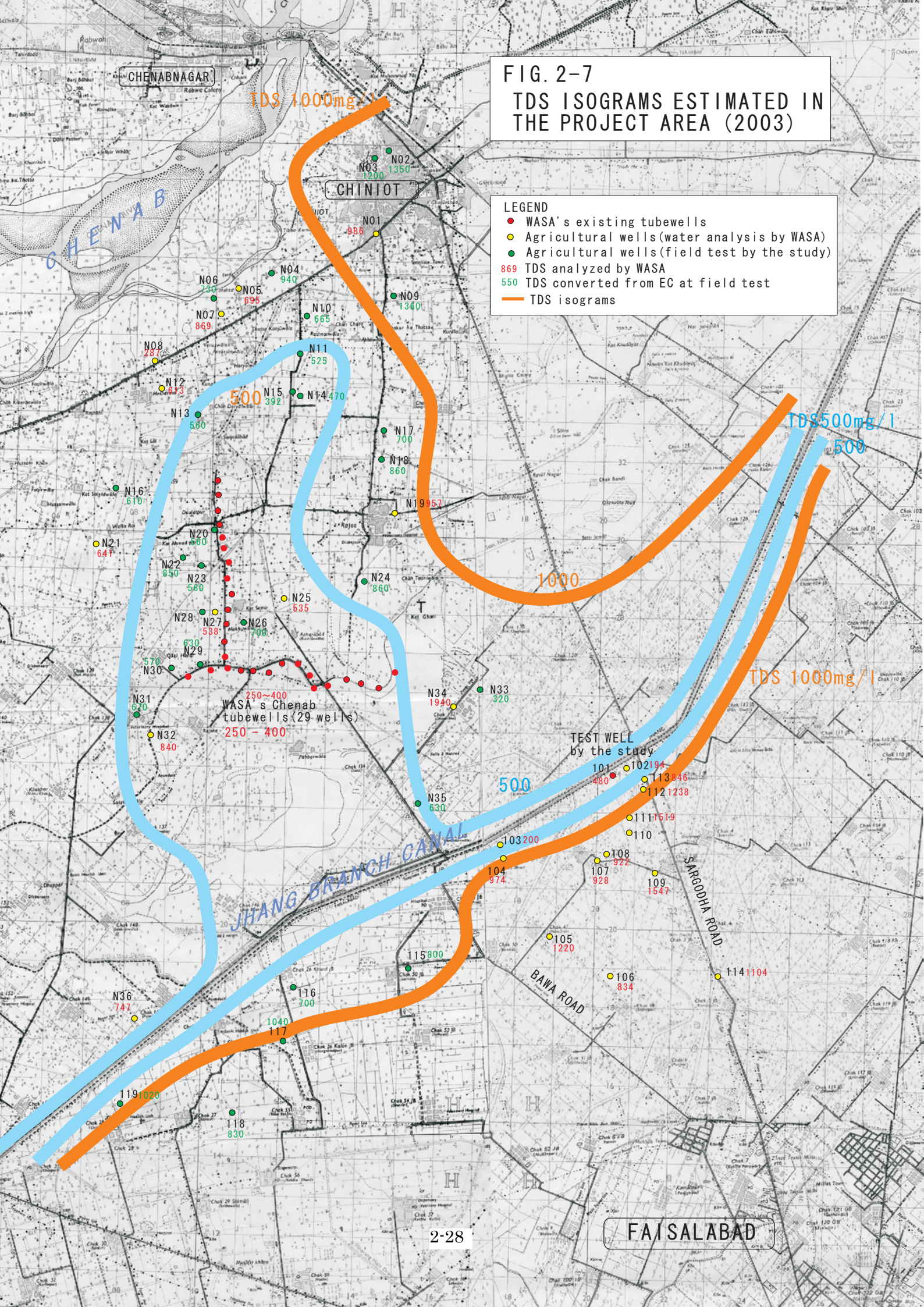


Table 2-8 Water Analysis for the Test Well and Tubewells in Its Vicinity

		Period of analysis	T °C	pH	EC $\mu\text{M}/\text{cm}$	Turbidity NTU	TDS mg/l	Ca mg/l	Mg mg/l	Total hardness mg/l	Cl mg/l	Total iron mg/l	Total Nitrogen mg/l	NO ₃ mg/l	NO ₄ mg/l	P mg/l	SO ₄ mg/l
1	Test well(101)	Sep. 2003	24.0	7.80	230	1.5	480	24	10	100	36.0	0	0	0	0	0	0
2	Exist.Tubewell (102)	Dec. 2002	22.3	7.91	260	0	194	32	41	244	29.7	-	0	0	0	0	-
3	Exist Tubewell (103)	Aug. 2003	23.2	8.30	247	0	200	54	26	240	50	-	0	0	0	0.04	-
4	Canalwater (forreference)	Aug. 2003 at time of sampling at No.3 well	27.9		160												

Remarks

- 1) For the locations of the wells with a number, refer to the map in Fig.2-7.
- 2) Temperature and EC were measured on site at time of sampling.
- 3) Samples from the test well were analyzed at an official laboratory in Lahore.
- 4) Samples from irrigation wells (102 &103) were analyzed by WASA laboratory.