stored according to the Survey result is appended in 3-C "List of Well Database in the Central Dry Zone" of Vol. IV, Data and Drawings.

## 6.8 Results and Progress of the Study

Relevant results were procured through the Survey. Base map preparation dealing with digitizing features was completed for the river, road, railway, Township boundary, etc. The existing topographic maps and satellite images were used as backdrop in acquisition of land information. With regard to the well database preparation, the total numbers of 1222 tube well locations (126 DDA wells, 1074 WRUD wells, and 22 test wells drilled in this Study) were posted on the Map Window as point features with all descriptive information designed and stored in the GIS software and Excel Spreadsheet. Moreover, the data on monitoring wells selected for periodical measurement of groundwater level and water quality was updated according to the result of measurement.

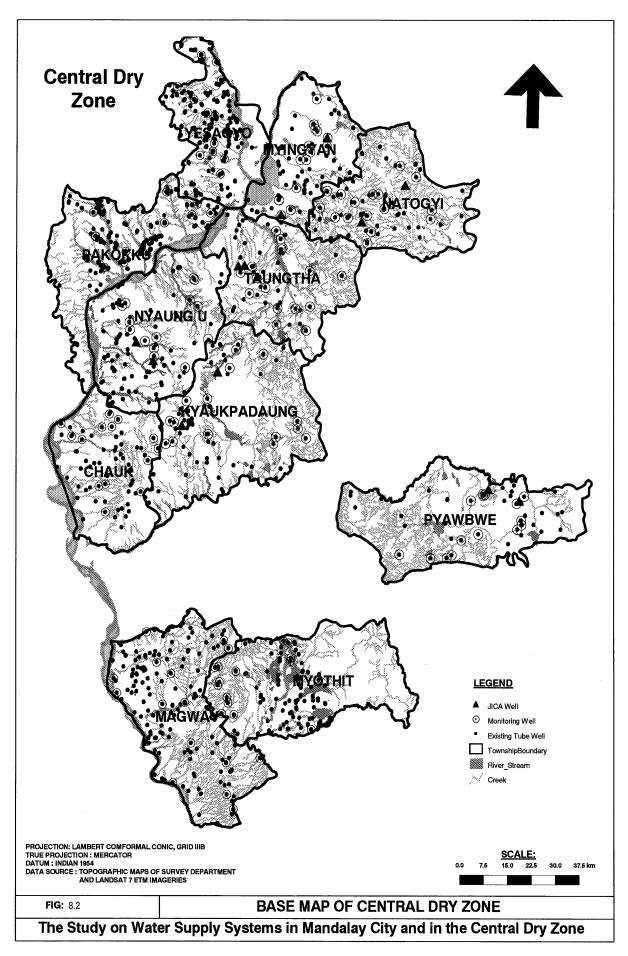
Digitized features and stored data can be utilized in many designs according to those requirements.

## 6.9 Technology Transfer

From an early stage, the Work was conducted in collaboration with DDA counterparts as part of On the Job Training (OJT). Hence, the counterparts have an understanding of a series of the Work. Concretely, they can fill out the survey sheet shown in Fig. 6.1 in order, and can input the proper data into the well database operating in the GIS software when new well data has to be added to the database. They also have knowledge to modify the well database on the GIS software, if necessary. Moreover, a brief manual to manipulate the well database was made as a quick start guide as shown in 3-J "Manual for the DDA Well Database" of Vol. III, Supporting Report. This can be used for the occasion that the counterparts want to review the database, or that other DDA staff needs to lean the GIS software in the future operation.

It is expected that DDA will continue to extend the area of database, and that the database will be utilized for many purpose such as future development plan, groundwater management, hydro-geological analysis, etc.

			Owner's tel.		Population served		Remarks	-													Total alkalimity	(mg/l)				
		ö	Owner's name		Use of water	Domes. / Indst. / Irrg.	Lithology of aquifer														Albuminoid nitrogen	(mg/l)				
		Revision date:				Domes.	Litholog														Ammonia nitrogen	(mg/l)				
			Ground level (ft)		Water Quality	Fresh / Not fresh	Aquifer dep./ thick. (ft)	/													Permanent Hardness	(mg/l)	(Biological Properties)		1 Coliform	100 100
			<sup>2</sup> G	- 11		Fresh	Aquifer o												·		Total hardness	(Ing/I)	(Biologica	Total	Coliform	50
Dry Zone			itude		Daily avg. water use	(8.h.n)			n (sketch)												T.D.S	(mg/l)			NO <sup>2.</sup>	(l/gm)
wells) in the Central I		Creation date:	Longitude		Operation hours	(o m)			Well location (sketch)												Sediments				NO <sup>3-</sup>	(l/gm)
EXERTING THOSE WELL DATA SHEET (FOT DUA, WELLS) The Study on Water Supply Systems in Mandalay City and in the Central Dry Zone			Latitude		Pump type	Hnd P. / Comprist. / Power. P			5	Rig type		Engine (BHP)		ia. & matenal							Salinity	(mg/l)			Ħ	(mg/l)
Systems in						Hnd P. / C						Eng		Pipe dia.							Hq				co²	(l/gm)
Tater Supply			pi	- 14 		/ Dug W.				tractor		A		np (g.p.n)		en ratio(%)					Temp.	(c)			HCO <sup>3-</sup>	(l/gm)
The Study on W		Division:	Map Grid	-11	Well	D.W. / S.W.			08/0	Drilling contractor		Pump ID		Capacity of pump (g.p.n)		Slot size(in)/Open ratio(%)	1		Date of Analysis:		Electrical conductivity	(μ moh/cm)			so⁺	(l/gm)
* 65			ttion ct/Villege)		Well condition	Working / Abandoned			8	method		model		W. L. (II)		1 depth (ft)	200				Electrical	шт)		Anions	ġ	(l/gm)
			Location (VillageTract/Villege)		W	Working / 1			2.0	Drilling metho		Pump model		Lynamic W.		Top/Bottom depth	1				Smell				T. iron (Fe)	(l/gm)
			Township		W. Level (static) (#)	(11)			10	Drill compl. date		Pump install date	1	(II) · T · (II)		Screen leng. (ft)/material	/		òó		Color	(TCU)			K+	(l/gm)
		Well No. (ID or Code):	Tow.		Casing dia. (m)				Cherry C	Drill cor		Pump in		STATIC W.	Screen	Screen leng.			Date of Sampling		Ü	Ĕ			Mg++	(l/gm)
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