

VOLUME 2B: SOUTH FLORIDA

CONTENTS

Preface	III
Introduction	1
Cooperation	2
Summary of Hydrologic Conditions	3
Special Networks and Programs	16
Explanation of the Records	17
Station Identification Numbers	17
Downstream Order System	17
Numbering System for Wells and Miscellaneous Surface-Water Sites	17
Records of Stage and Water Discharge	18
Data Collection and Computation	18
Data Presentation	19
Station Manuscript	20
Daily Table of Daily Mean Values	21
Statistics of Monthly Mean Values	21
Summary Statistics	21
Identifying Estimated Daily Discharge	23
Accuracy of the Records	23
Other Records Available	23
Records of Surface-Water Quality	24
Classification of Records	24
Arrangement of Records	24
On-site Measurements and Sample Collection	24
Water Temperature	25
Sediment	25
Laboratory Measurements	25
Data Presentation	25
Remark Codes	27
Quality Control Data	28
Blank Samples	28
Reference Samples	29
Replicate Samples	29
Spike Samples	29
Records of Ground-Water Levels	29
Data Collection and Computation	29
Accuracy of Ground-Water Level Data	30
Method-Independent Factors	30
Method-Related Factors	30
Data Presentation	31
Records of Bulk Electrical Conductivity	32
Data Collection and Computation	32
Accuracy of Bulk Electrical Conductivity	33
Data Presentation	33
Records of Ground-Water Quality	34
Data Collection and Computation	34
Data Presentation	34
Access to USGS Water Data	34

VOLUME 2B: SOUTH FLORIDA

CONTENTS (continued)

Definition of Terms.....	35
Techniques of Water-Resources Investigations.....	49
Selected References.....	54
Broward County.....	55
Well Descriptions and water level measurements	58
Miscellaneous water level measurements	152
Charlotte County.....	153
Well Descriptions and water level measurements	156
Collier County.....	161
Well Descriptions and water level measurements	164
Miscellaneous water level measurements	255
Glades County.....	257
Well Descriptions and water level measurements	260
Hendry County.....	263
Well Descriptions and water level measurements	266
Lee County	273
Well Descriptions and water level measurements	276
Miscellaneous water level measurements	395
Martin County.....	397
Well Descriptions and water level measurements	400
Miami-Dade County.....	407
Well Descriptions and water level measurements	410
Miscellaneous water level measurements	557
Palm Beach County.....	559
Well Descriptions and water level measurements	562
Miscellaneous water level measurements	599
St. Lucie County.....	601
Well Descriptions and water level measurements	604
Index to Introductory Text.....	615

VOLUME 2B: SOUTH FLORIDA

ILLUSTRATIONS

Figure 1. Geographic area covered by this report.	V
Figure 2. South Florida areas of hydrologic significance	3
Figure 3. Generalized geology and hydrogeology of Southern Florida	5
Figure 4. Historical water-level summary curves and annual mean of maximum daily water levels at well S-196A penetrating the Biscayne aquifer	9
Figure 5. Historical water-level summary curves and annual mean of maximum daily water levels at well PB-561 penetrating the surficial aquifer system	10
Figure 6. Historical water-level summary curves and annual mean of maximum daily water levels at well C-496 penetrating the surficial aquifer system (water-table aquifer)	11
Figure 7. Historical water-level summary curves and annual mean of maximum daily water levels at well L-2194 penetrating the Tamiami aquifer	12
Figure 8. Historical water-level summary curves and annual mean of maximum daily water levels at well L-729 penetrating the sandstone aquifer	13
Figure 9. Historical water-level summary curves and annual mean of maximum daily water levels at well L-1993 penetrating the mid-Hawthorn aquifer	14
Figure 10. Historical water-level summary curves and annual mean of maximum daily water levels at well L-2434 penetrating the lower-Hawthorn producing zone	15
Figure 11. System for numbering wells and miscellaneous sites	18
Figure 12. Location of wells in Broward County	57
Figure 13. Location of wells in Charlotte County	155
Figure 14. Location of wells in Collier County	163
Figure 15. Location of wells in Glades County	259
Figure 16. Location of wells in Hendry County	265
Figure 17. Location of wells in Lee County	275
Figure 18. Location of wells in Martin County	399
Figure 19. Location of wells in Miami-Dade County	409
Figure 20. Location of wells in Palm Beach County	561
Figure 21. Location of wells in St. Lucie County	603