

目 錄

壹. 水資源運用	1
■ 提要分析	2
■ 統計表	
1 水資源運用實況	4
2 水資源供需概況	5
3 工業用水及面積成長概況	6
4 水源調度概況－農田休耕面積	7
貳. 水庫壩堰	9
■ 提要分析	10
■ 統計表	
5 水庫壩堰	16
(1) 現有水庫壩堰	16
(2) 施工中水庫壩堰	34
(3) 已規劃待推動水庫	34
(4) 規劃中或待規劃水庫壩堰	34
6 水庫營運概況	40
參. 水庫集水區保育	51
■ 提要分析	52
■ 統計表	
7 水庫保育整體計畫工作	53
肆. 溫泉資源保育	57
■ 提要分析	58
■ 統計表	
8 溫泉分布概況	59
9 調查區溫泉水儲集量概況	61
伍. 節約用水	63
■ 提要分析	64
■ 統計表	
10 推動節約用水措施－省水標章	66
陸. 知識型水利產業	71
■ 提要分析	72
■ 統計表	
11 輔導水利產業知識化概況	73
12 推動深層海水產業概況	74
柒. 海水淡化	75

■ 提要分析-----	76
■ 統計表	
13 海水淡化廠-----	78
(1) 現有海水淡化廠-----	78
(2) 推動中海水淡化廠-----	80
14 海水淡化廠營運概況-----	81
捌. 地層下陷-----	85
■ 提要分析-----	86
■ 統計表	
15 地層下陷概況-----	88
玖. 水文觀測-----	91
■ 提要分析-----	92
■ 統計表	
16 中央管河川-----	93
17 縣(市)管河川-----	95
18 跨省市河川-----	101
19 經濟部水利署水文觀測站-----	102
拾. 天然災害損失概況-----	103
■ 提要分析-----	104
■ 統計表	
20 經濟部水利署防汛器材使用情形-----	107
21 河川防洪設施損毀數量-----	108
22 禦潮(海堤)設施損毀數量-----	112
23 區域排水設施損毀數量-----	114
24 水庫或壩堰設施損毀數量-----	115
拾壹. 河川防洪工程-----	117
■ 提要分析-----	118
■ 統計表	
25 現有河川防洪設施-----	120
26 河川環境改善工程-----	126
27 河川防災減災工程-----	127
28 河川歲修工程-----	131
29 河川災害復建工程-----	133
30 河川工程搶修情形-----	135
31 河川構造物維護管理-----	140
拾貳. 禦潮(海堤)工程-----	143
■ 提要分析-----	144
■ 統計表	
32 現有禦潮(海堤)設施-----	146
33 海岸環境改善工程-----	148

34 禦潮(海堤)養護工程-----	150
35 禦潮(海堤)整建工程-----	151
36 禦潮(海堤)災害復建工程-----	152
37 禦潮(海堤)工程搶修情形-----	153
38 禦潮(海堤)構造物維護管理-----	156
拾參. 區域排水工程-----	159
■ 提要分析-----	160
■ 統計表	
39 區域排水環境營造工程-----	162
40 區域排水整治工程-----	163
41 區域排水構造物維護管理-----	166
42 區域排水災害復建工程-----	168
43 區域排水工程搶修情形-----	169
44 區域排水疏濬工程-----	170
拾肆. 河川、排水、海堤公地許可使用-----	171
■ 提要分析-----	172
■ 統計表	
45 河川、排水、海堤公地許可使用費徵收情形-----	174
拾伍. 水權登記-----	187
■ 提要分析-----	188
■ 統計表	
46 一般水權登記件數-----	190
47 一般水權登記引用水量-----	192
48 臨時用水登記件數-----	194
49 臨時用水登記引用水量-----	196
50 溫泉水權登記件數-----	198
51 溫泉水權登記引用水量-----	200
52 有效之水權及臨時用水登記件數-----	202
53 有效之水權及臨時用水登記引用水量-----	203
拾陸. 自來水事業-----	205
■ 統計表	
54 台灣自來水股份有限公司公司水價-----	206
55 臺北自來水事業處水價-----	210
56 金門縣自來水廠水價-----	212
57 連江縣自來水廠水價-----	213
58 自來水供水設備及管線長度-----	214

59 自來水系統供水能力及設計供水人口數-----	220
60 供水戶口數暨人日配水量-----	224
61 自來水供水普及率-----	228
62 自來水生活用水量統計-----	232
63 自來水用戶數-----	233
拾柒. 行政組織-----	235
■ 統計表	
64 經濟部水利署組織系統與職掌-----	236
65 經濟部水利署各組室及所屬機關所在地暨主管人員-----	240
66 經濟部水利署實有員額配置-----	242
67 經濟部水利署現有正式職員人事資料統計-----	248
拾捌. 其他-----	251
■ 統計表	
68 經濟部水利署經費預算數與決算數-----	252
69 水利工程經費-----	253
70 經濟部水利署各項測繪成果-----	254
71 經濟部水利署地質鑽探成果-----	255
72 經濟部水利署所屬機關工程用地取得情形-----	256

CONTENTS

I . WATER RESOURCES UTILIZATION-----	1
■ SUMMARY -----	2
■ STATISTIC REPORTS	
1 Utilization of Water Resources -----	4
2 Water Resources Demand and Supply -----	5
3 Industrial Consumption and plant Area Increment -----	6
4 The Water Allocation –Fallow Area of Farmland -----	7
II .RESERVOIRS & WEIRS -----	9
■ SUMMARY -----	10
■ STATISTIC REPORTS	
5 RESERVOIRS & WEIRS-----	16
(1) Completed Reservoirs & Weirs -----	16
(2) Reservoirs & Weirs Under Construction -----	34
(3) Reservoirs Being Finished Planning -----	34
(4) Diversion Reservoirs & Weirs Under Planning-----	34
6 General Status of Reservoir Operation -----	40
III .RESERVOIRS CATCHMENT AREA CONSERVATION -----	51
■ SUMMARY -----	52
■ STATISTIC REPORTS	
7 Reservoirs Catchments Area Conservation Planning -----	53
IV .HOT SPRING RESOURCE CONSERVATION-----	57
■ SUMMARY -----	58
■ STATISTIC REPORTS	
8 Distribution of Hot Spring -----	59
9 Hot Spring Storage Volumes in Survey Area -----	61
V.WATER SAVING IMPLEMENTATION -----	63
■ SUMMARY -----	64
■ STATISTIC REPORTS	
10 Wrater Conservation Implementation - Water Conservation Mark -----	66
VI.KNOWLEDGE-BASE WATER INDUSTRIES -----	71
■ SUMMARY -----	70
■ STATISTIC REPORTS	
11 Guide Knowledge-based Water Industries-----	73
12 Achievements to Promote Deep Sea Water Industry -----	74

VII. SEAWATER DESALINATION -----	75
■ SUMMARY -----	76
■ STATISTIC REPORTS	
13 Seawater Desalination -----	78
(1) Plants Completed -----	78
(2) Plants Being Finished Planning -----	80
14 Seawater Desalination Plant -----	81
VIII. LAND SUBSIDENCE -----	85
■ SUMMARY -----	86
■ STATISTIC REPORTS	
15 Land Subsidence Areas -----	88
IX. HYDROLOGIC MEASUREMENT -----	91
■ SUMMARY -----	92
■ STATISTIC REPORTS	
16 Central-government-administered Rivers -----	93
17 Prefecture-administered Rivers -----	95
18 Trans-province & city Government Administered Rivers -----	101
19 Numbers of Hydrological Station, WRA, MOEA -----	102
X. NATURAL DAMAGES -----	103
■ SUMMARY -----	104
■ STATISTIC REPORTS	
20 Making Use of Flood Prevention Facilities, WRA, MOEA -----	107
21 Statistics in Damages Works for River Flood Control -----	108
22 Damages on Coastal Protection (Sea-dike) Works -----	112
23 Damages on Regional Drainage Works -----	114
24 Damage on Reservoirs and Weirs Works -----	115
XI. RIVER FLOOD CONTROL -----	117
■ SUMMARY -----	118
■ STATISTIC REPORTS	
25 The Existing Works For River Flood Control -----	120
26 Improvement Constructions for River Environment -----	126
27 Constructions of River Disaster Prevention and Reduction -----	127
28 Annual Repairing Constructions for River Flood Control -----	131
29 Rehabilitation After Disaster for River Flood Control -----	133
30 Urgent Repairs of the Works for River Flood Control -----	135
31 Structures Maintenance and Management for River Flood Control -----	140
XII. COASTAL PROTECTION (SEA-DIKE) WORKS -----	143
■ SUMMARY -----	144
■ STATISTIC REPORTS	
32 The Existing Coastal Protection (Sea-dike) Works -----	146
33 Improvement Constructions for Coastal Environment -----	148
34 Annual Repairing of Coastal Protection (Sea-dike) Works -----	150
35 Maintaining and Establishing of Coastal Protection (Sea-dike) Works -----	151

36 Rehabilitation After Disaster of Coastal Protection (Sea-dike) Works	152
37 Urgent Repairs of Coastal Protection (Sea-dike) Works	153
38 Structures Maintenance and Management for Coastal Protection (Sea-dike)	156
XIII.REGIONAL DRAINAGE WORKS	159
■ SUMMARY	160
■ STATISTIC REPORTS	
39 Construction Establishment for Regional Drainage Environment	162
40 Regional Drainage Improvement Works	163
41 Regional Drainage Structure Maintenance Works	166
42 Regional Drainage Repair Works	168
43 Emergent Treatments on Regional Drainage Works	169
44 Regional Drainage Dredge Works	170
XIV.PERMITTED-USE OF PUBLIC-RIVERINE-LAND	171
■ SUMMARY	172
■ STATISTIC REPORTS	
45 Statuses on the Fee-Collection for Permitted-Use Of Public- riverine-land, etc.	174
XV.NUMBER OF WATER REGISTRATION	187
■ SUMMARY	188
■ STATISTIC REPORTS	
46 Registered Cases of General Water Right	190
47 Registered Amount of Diverted Water on General Water Right	192
48 Registered Cases of Temporary Water Use	194
49 Registered Amount of Temporary Diverted Water	196
50 Registered Cases of Hot Spring Water Right	198
51 Registered Amount of Diverted Water on Hot Spring Water Right	200
52 Registered Cases of Effective Water Right and Temporary Water Use	202
53 Registered Amount of Diverted Water for Effective Water Right and Temporary Water Use	203
XVI.WATER SUPPLY	205
■ STATISTIC REPORTS	
54 Water Price — Taiwan Water Supply Cooperation	206
55 Water Price — Taipei Water Department	210
56 Water Price — Kinmen County Water Supply Plant	212
57 Water Price — Lienchiang County Water Supply Plant	213
58 Installations of Water Supply	214
59 Water Supply System Capacity & Consumers of Water Supply	220
60 Families of Water Supply & Daily Ration of Water Per Person	224

61 Saturation of Water Supply-----	228
62 The Domestic Consumption of Water-----	232
63 Consumers of Water Supply-----	233

XVII.ADMINISTRATIVE ORGANIZATION -----235

■ **STATISTIC REPORTS**

64 Organization & Duty, WRA, MOEA-----	236
65 Key Persons of WRA's Headquarters and Subordinates With Their Locations-----	240
66 Actual Personnel, WRA, MOEA -----	242
67 Statistics on Appointed Employees, WRA, MOEA -----	248

XVIII.OTHERS -----251

■ **STATISTIC REPORTS**

68 Budget & Final Account of WRA, MOEA -----	252
69 Statistics of Engineering Cost-----	253
70 Surveying, WRA, MOEA -----	254
71 Geological Boring, WRA, MOEA-----	255
72 WRA Affiliated Agencies Project Land Procurement Situation-----	256