

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